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# 2004-06 Catalog

Eastern Kentucky University

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Eastern  
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2004-06





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# Eastern Kentucky University

## Undergraduate Catalog

### 2004-2006



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JOANNE K. GLASSER, ESQ.

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Directory Assistance

This publication was prepared by Eastern Kentucky University  
 and paid from state funds.



# University Calendar

## FALL SEMESTER 2004

Aug	20	Residence halls open.
	23	Advising period resumes.
	25	Classes begin. Late registration begins.
	31	Last day to register for or add/drop full-semester classes. "Dropped" classes do not appear on transcript.
Sept	6	Holiday.
Oct	11-12	Fall break-offices open.
	19	Last day to "withdraw" with a "W" from a full-term semester class or from the University.
Nov	2	Election Day-University closed.
	23	Holiday begins at 9:00 p.m. Evening classes will meet.
	29	Classes resume.
Dec	6	"Pre-final examination week" begins.
	10	Regular class times end.
	13	Final examination week begins.
	18	Commencement exercises, 10:00 a.m. and 3 p.m. Final examination week ends. Fall semester ends.

## SPRING SEMESTER 2005

Jan	5	Residence halls open.
	6	Advising period resumes.
	10	Classes begin. Late registration begins.
	17	Holiday.
	18	Last day to register for or add/drop full-semester classes. "Dropped" classes do not appear on transcript.
Feb	21	Holiday.
March	4	Last day to "withdraw" with a "W" from a full-semester class or from the University.
	7	Spring break begins.
	14	Classes resume.
April	25	"Pre-final examination week" begins.
	29	Regular class times end.
May	2	Final examination week begins.
	7	Final examination week ends. Spring semester ends.
	8	Commencement exercises, 10:00 a.m. and 3 p.m.

## SUMMER SESSION 2005\*

May	16	Classes begin.
	17	Last day to register for or add/drop 10-week classes. "Dropped" classes do not appear on transcript.
June	17	Last day to "withdraw" with a "W" from a full-session class or from the University.
July	4	Holiday.
	22	Regular classes and finals end. Commencement exercises, 7:30 p.m.

## FALL SEMESTER 2005\*

Aug	19	Residence halls open.
	22	Advising period resumes.
	24	Classes begin. Late registration begins.
	30	Last day to register for or add/drop full-semester classes. "Dropped" classes do not appear on transcript.
Sept	5	Holiday.
Oct	10-11	Holiday. Offices closed 10th only.
	18	Last day to "withdraw" with a "W" from a full-term semester class or from the University.
Nov	22	Holiday begins at 9:00 p.m. Evening classes will meet.
	28	Classes resume.
Dec	5	"Pre-final examination week" begins.
	9	Regular class times end.
	12	Final examination week begins.
	17	Final examination week ends. Commencement exercises, 10:00 a.m. and 3 p.m. Fall semester ends.

## SPRING SEMESTER 2006\*

Jan	11	Residence halls open.
	12	Advising period resumes.
	16	Holiday.
	17	Classes begin. Late registration begins.
	23	Last day to register for or add/drop full-semester classes. "Dropped" classes do not appear on transcript.
Feb	20	Holiday.
March	10	Last day to "withdraw" with a "W" from a full-semester class or from the University.
	13	Spring break begins.
	20	Classes resume.
May	1	"Pre-final examination week" begins.
	6	Regular class times end.
	8	Final examination week begins.
	13	Final examination week ends. Spring semester ends. Commencement exercises, 10:00 a.m. and 3 p.m.

## SUMMER SESSION 2006\*

May	22	Classes begin.
	23	Last day to register for or add/drop full session classes. "Dropped" classes do not appear on transcript.
June	23	Last day to "withdraw" with a "W" from a full-session class or from the University.
July	4	Holiday.
	21	Regular classes and finals end. Commencement exercises, 7:30 p.m.

\*tentative-dates subject to change

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## Notifications

All statements in this publication are announcements of present policy only and are subject to change without prior notice. Nothing contained in this publication is intended to create nor shall be construed as creating a contract, either express or implied, or guarantee for any term or for any specific procedures.

Eastern Kentucky University is an Equal Opportunity/Affirmative Action employer and educational institution and does not discriminate on the basis of age, race, color, religion, sex, sexual orientation, disability, national origin or Vietnam era or other veteran status in the admission to, or participation in, any educational program or activity which it conducts. Any complaint arising by reason of alleged discrimination should be directed to the Equal Opportunity Office of Eastern Kentucky University (Jones Building, Room 106, CPO 37A, Richmond, KY 40475-3102, 859-622-8020 v/tdd), or to the Director of the Office for Civil Rights, U.S. Department of Education, Philadelphia, PA.

The Board of Regents of Eastern Kentucky University does hereby reaffirm the University's commitment to providing educational opportunities to all qualified students regardless of economic or social status and ensuring that participation in all University sponsored activities will be administered in a way that furthers the principles of equal employment and educational opportunities.

Eastern Kentucky University does not discriminate on the basis of disability in the admission or access to educational opportunities, programs or activities. The Director of Services for Individuals with Disabilities, Turley House, Room 1, Eastern Kentucky University, Richmond, Kentucky 40475, coordinates compliance with all federal, state and local laws and regulations concerning access for disabled individuals. Requests for information concerning the Americans with Disabilities Act and other federal and state laws relating to disabilities and the rights provided thereunder, as well as all requests for accommodations based upon disability should be directed to this office.

Eastern Kentucky University is committed to providing a healthy and safe environment for its students, faculty and staff through its compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendment of 1989. In accordance with these laws, students, faculty and staff are hereby notified of the standards of conduct which shall be applicable while on University property, on University business or at University sponsored activities.

By University rules and regulations, federal laws, state laws, and local ordinances, students, faculty and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on University property, on University business and/or at University sponsored activities.

Any member of the student body, faculty or staff who violates the University's standards of conduct shall be subject to appropriate disciplinary action up to and including suspension and/or termination. In addition to disciplinary sanctions, students or employees may face prosecution and imprisonment under federal and/or state laws which make such acts felony or misdemeanor crimes. The specifically defined standards of conduct, the disciplinary procedures and possible sanctions appear in the *Student Handbook* and the *Faculty Handbook*.

Continuous efforts are made to make students, faculty and staff aware of the on-campus and off-campus programs which provide information and professional services on matters related to the abuse of alcohol and drugs. For additional information individuals should contact the Eastern Kentucky University Counseling Center.

## Federal Regulations

### Provisions of the Family Educational Rights and Privacy Act of 1974 (as amended) PUBLIC LAW 93-380

This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. The University is composed of five colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for students:

- |   |  |
|---|--|
| 1. Grade reports                              | 11. Nominations for awards, if applicable                            |
| 2. Transcripts                                | 12. Biographical data  |
| 3. Curriculum information                     | 13. Evaluation forms, if applicable                                  |
| 4. Applications for graduation                | 14. Weekly student teacher logs, if applicable                       |
| 5. Correspondence with students, if any       | 15. Mid-term evaluation, if applicable                               |
| 6. Withdrawal records, if applicable          | 16. Records of school visitations, if applicable                     |
| 7. Admission forms                            | 17. Physical education requirement waivers                           |
| 8. ACT test scores                            | 18. Field training evaluations and correspondence, if applicable     |
| 9. Student teacher evaluations, if applicable | 19. Professional conduct agreements and liability insurance coverage |
| 10. Letters of recommendation, if applicable  |  |

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**Access to Records:** In general, the records maintained by the University are available only to the student, to University personnel with legitimate educational interests, to other institutions where the student is seeking financial aid, and to authorized representatives of the Comptroller General of the U.S., the Secretary of Education, or an administrative head of an education agency, in connection with an audit or evaluation of federally support programs, and as provided by Section 164.283 of the Kentucky Revised Statutes. However, information may be released by the institution to appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other persons. Records may also be furnished in compliance with a judicial order or pursuant to a subpoena or with the consent of the student.

Students may inspect and review all records pertaining to them within forty-five (45) days of making request for same, except for (1) records created or maintained by a physician, psychiatrist, psychologist or other recognized professional or paraprofessional acting or assisting in a professional capacity in connection with treatment of the student (except that the student may have these records reviewed by a physician or appropriate professional designated by the student. ), (2) financial records of the student's parents, (3) confidential letters and recommendations put in the files prior to January 1, 1975, and (4) confidential recommendations relating to admission, applications for employment, or honors, if the student has waived his/her right to review such records. Where a particular record cannot be reviewed by a student without revealing confidential information relating to other students, the records custodian will inform the student, upon request, of the contents of the record pertaining to that student.

Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.

**Procedures for Challenge:** A student who believes that any record maintained by the University pertaining directly to that student is inaccurate, misleading, or otherwise violative of the right of privacy of the student as provided by Title IV of Pub. L. 90-247, as amended, and Publ. L. 93-380 as amended by Senate Joint Resolution 40 (1974) may request a hearing before a panel of three persons appointed by the President of the University. The panel may direct that appropriate action be taken to correct, explain, or expunge the record(s) challenged.

Request for hearings should be addressed to the Office of University Counsel, Eastern Kentucky University, Coates Room 205, CPO 40A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

**Directory Information:** The University may release information without the student's consent where the information is classified as "directory information." The following categories of information have been designated by the University as directory information: name, address, telephone listing, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous education institution attended by the student. Students who do not wish such information released without their consent should notify the Student Records Office in writing. Any such request should be sent to Office of the Registrar, Office of Academic Records/Transcripts, Eastern Kentucky University, Student Services Building Room 239, CPO 58, 521 Lancaster Avenue, Richmond, Kentucky 40475-3158.

**Notification of Rights Under FERPA for Postsecondary Institutions:** The Family Educational Rights and Privacy affords students certain rights with respect to their education records. They are:

- (1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
- (2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- (3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

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A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

- (4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are: Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605.

## **Student Right-To-Know Act**

**(Pub. L. 101-542)**

Eastern Kentucky University

**1999-2000**

Section 103 of the Student Right-To-Know and Campus Security Act of 1990 (Public Law 101-542) as amended by the Higher Education Technical Amendments of 1991 (Public Law 102-26) requires public disclosure of relevant graduation rate information for students enrolled in colleges and universities receiving federal financial assistance annually beginning July 1, 1993. Because the undergraduate and graduate catalogs are published for a two-year period, the graduation rate information will be published each year in the *University Handbook for Students* or may be obtained upon request from the Office of the Provost and Vice President for Academic Affairs, Coates Administration Building, Room 110, CPO 30A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

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# SECTION ONE

Eastern Kentucky  
University



## Introduction

Eastern Kentucky University is a regional, coeducational, public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern Kentucky University has a distinguished record of more than nine decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern Kentucky University easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky. Interstate Highways 1-75 (north-south) and I-64 (east-west) make the metropolitan areas of Cincinnati, 112 miles to the north, and Louisville, 110 miles to the west, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from south Eastern Kentucky and Kentucky Route 52 from the east and west. The Kentucky Turnpike and the Mountain, Daniel Boone, and Cumberland Parkways provide even greater accessibility by automobile since the city is located near the convergence of these arterial highways into the interstate system.

Richmond, the county seat of Madison County, is an expanding community of approximately 28,000 population.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located 12 miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

## History

The Kentucky General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906. On May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1908, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was begun.

In 1922, Eastern Kentucky University became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts degree in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the college and granted the college the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern on February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University (EKU) and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentuckians. The curriculum leads to

associate degrees, baccalaureate degrees, and an expanding graduate program that currently offers degrees at the master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth- and sixth-year leadership programs in education. Specialist degree programs have been implemented in education and psychology. In addition to these programs, Eastern Kentucky University offers cooperative doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern Kentucky University continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern Kentucky University to serve the Commonwealth as a regional comprehensive university.

## Mission Statement

For more than a decade, a mission statement approved by the Council on Postsecondary Education (formerly the Kentucky Council on Higher Education) has guided the University (see last section). During the planning process, this mission statement was refined to be more succinct and to better reflect our role for strategic planning purposes. We are not replacing the CPE mission statement, but rather, we developed a mission statement to appear in the context of the 2003-2006 University Strategic Plan, "Moving Forward Together." The revised mission statement is:

**Eastern Kentucky University is a student-centered comprehensive public university dedicated to high-quality instruction, service, and scholarship.**

## Core Values

Values are the code of organizational conduct. They guide the decision making in all endeavors of the University. They direct our actions and must both inspire and compel all faculty, staff, and students to continuously be true to them. The Eastern Kentucky University community is committed to demonstrating these values in our daily actions to accomplish our mission and achieve our vision. EKU will be guided by the following six values when planning, setting priorities, and making decisions regarding the University community's pursuit of the three fold mission of higher education: teaching, service, and scholarship.

### Civic Responsibility and Civility

We believe that it is the duty of Eastern Kentucky University to educate our students and to deliver an understanding of how the knowledge passed to them can benefit the citizens of southeastern Kentucky, the Commonwealth of Kentucky, the nation, and globally. The values that we must teach of civic responsibility and how to influence democratic decision making must embrace both the skills and the spirit of democracy thus creating innumerable opportunities for our students to practice and reap the results of the real, hard work of citizenship. At the heart of civic responsibility lies the value of civility. The University community strives to propagate the understanding and practice of civility in public discourse and social life and encourages the promotion of learning regarding the techniques and value of dialogue and nonviolent conflict resolution.

### Diversity, Dignity, Integrity

The EKU University community holds our students, faculty and staff to the demonstration of high moral principles and professional standards both in and out of the University setting. We hold ourselves to the responsibility of dignity as exemplified by a proper sense of pride and self-respect in fulfilling all areas of the University's mission. We honor and pursue a University community climate that respects and celebrates the diversity of peoples and seeks to embrace all citizens and prohibit judgments based on race, ethnicity, religion, socio-economic status, gender, sexual orientation, disabilities, and cultural or national backgrounds.

### Excellence and Innovation

Our University community believes that excellence is achieved as a continuum of effort and not as an event. To this end, we envision achievement of the highest standards to be attained through ongoing assessment and continuous quality improvement. The promotion of personal and academic excellence is the foundation for institutional excellence. We deem that an environment, which fosters innovation at all levels, is critical to the success of the institution.

### Opportunity and Access

The EKU University community is dedicated to the idea that its history and tradition are embedded in Appalachian values, foremost of which are the uniqueness of the individual and the provision of opportunity and accessibility to all who seek the fulfillment of education intellectually and experientially.

### Shared Governance and Collaboration

The EKU University community accepts as true that leadership characterized by vision and embedded with participatory decision-making at all levels is the emblem of an effective organization. We are committed to providing an atmosphere in which we pursue our joint aspirations in the spirit and practice of collegiality and collaboration at all levels of our community.

### Student Success

The EKU University community acknowledges that its students, faculty, staff and alumni are the source of its strength: collectively, they determine the spirit, eminence, and efficacy of the institution. However, it is the success of its students upon which hinges the future of EKU. To this end, our greatest value is "student success," in the classroom, at work, and on the stage of the world at which they represent the collective efforts of the EKU University community.

## Vision

The vision expresses an ideal to which the University aspires and relates its future. This vision was developed after gathering input from external and internal constituents, including top-down and bottom-up perspectives of EKU's future. The Vision for the 2003-2006 Eastern Kentucky University Strategic Plan is:

**Eastern Kentucky University will be the leading comprehensive university in the Commonwealth of Kentucky, earning national distinction, where students come first.**

## Institutional Goals

Eastern Kentucky University's Institutional Goals chart the efforts that will enable the University to realize its Vision for the future and to fulfill the University's Mission. The goals encompass all the facets of the University's life. *(Please note: these are not listed in any particular order or suggested priority.)*

- To promote and support a climate that respects and celebrates diversity.<sup>1</sup>
- To continuously improve the programs, services, and infrastructure of the University through the use of inclusive and innovative processes.
- To promote learning through high quality programs and services.
- To provide intellectual and cultural opportunities which will develop and enhance scholarship and intellectual curiosity.
- To increase and enhance external and internal constituency engagement, while maintaining a connection with Appalachia.
- To attract, develop, and educate an increasingly diverse student body.

<sup>1</sup>University Diversity Committee's Definition of Diversity: EKU promotes a climate that respects and celebrates diversity within its community which includes, but is not limited to race, ethnicity, religion, socio-economic status, gender, sexual orientation, disabilities, and cultural or national backgrounds, in pursuit of common unity (February 13, 2003).

## Strategic Directions 2003-2006 Planning Cycle

To direct the University's actions toward achieving the Vision, to support the University's Mission and Institutional Goals, and to function effectively within an environment of challenges and opportunities, Eastern Kentucky University has selected the following Strategic Directions for the 2003-2006 Strategic Plan. These Directions serve to focus our work to realize our Goals and will guide us over the next three years. *(Please note: the Goals and Strategic Directions are not listed in any particular order or suggested priority.)*

**Goal 1: To promote and support a climate that respects and celebrates diversity.**

Strategic Direction 1.1: *Enhance a climate that supports diversity.*

Strategic Direction 1.2: *Increase recruitment and retention of a diverse faculty, staff and student body to reflect the global society.*

**Goal 2: To continuously improve the programs, services, and infrastructure of the University through the use of inclusive and innovative processes.**

Strategic Direction 2.1: *Enhance faculty and staff use of technology.*

Strategic Direction 2.2: *Improve institutional effectiveness by utilizing a strategic planning, budgeting, and assessment process that incorporates shared governance.*

Strategic Direction 2.3: *Increase base budget funding for deferred maintenance.*

Strategic Direction 2.4: *Increase financial flexibility.*

**Goal 3: To promote learning through high quality programs and services.**

Strategic Direction 3.1: *Enhance student learning through excellence in teaching, scholarship, and service.*

Strategic Direction 3.2: *Improve compensation to attract and retain high quality faculty and staff.*

Strategic Direction 3.3: *Increase opportunities for and participation in learning experiences inside and outside the classroom.*

**Goal 4: To provide intellectual and cultural opportunities which will develop and enhance scholarship and intellectual curiosity.**

Strategic Direction 4.1: *Enhance professional development opportunities.*

Strategic Direction 4.2: *Enhance resources and opportunities for faculty/staff/student collaboration in scholarly and creative activities.*

**Goal 5: To increase and enhance external and internal constituency engagement, while maintaining a connection with Appalachia.**

Strategic Direction 5.1: *Increase net external funding with emphasis on grants, contracts, private support, and economic development activities.*

Strategic Direction 5.2: *Enhance partnerships with business and community entities.*

Strategic Direction 5.3: *Enhance external and internal marketing and public relations to increase visibility.*

**Goal 6: To attract, develop, and educate an increasingly diverse student body.**

Strategic Direction 6.1: *Develop and implement a comprehensive enrollment planning process.*

Strategic Direction 6.2: *Develop a student-centered support system for a diverse student population.*

## EKU-CPE Mission Statement

Commonwealth of Kentucky  
Council on Postsecondary Education  
Eastern Kentucky University

### MISSION STATEMENT

(Refined December 15, 1993)

The Council of Postsecondary Education formerly the Kentucky Council on Higher Education has approved the following Mission statement for Eastern Kentucky University:

**“Eastern Kentucky University shall serve the citizens of the Commonwealth of Kentucky as a comprehensive, regional university, providing instruction, public service, and research.”**

**Geographic Region.** In the development and offering of its programs and services, the University shall place priority on meeting the needs of the citizens of central, eastern, and southeastern Kentucky.

**Institutional Admission Standards.** Eastern Kentucky University shall admit students to the institution under selective admission standards which exceed the minimum guidelines established by the Council on Postsecondary Education, with only limited exceptions. Institutional standards shall be consistent with the system wide policy for admitting under prepared students, including the removal of academic deficiencies within a specified timeframe. Through this approach, the University seeks to provide both broad access and high-quality programs.

**Degree Levels.** The University shall offer selected undergraduate programs, pre-professional curricula, and selected master's and education specialist programs determined to meet demonstrated student interest and/or societal needs. Special attention shall be paid to the educational needs of the University's service region. Certificate programs shall not be offered unless they are integral to associate or baccalaureate programs.

**Strategic Directions/Program Priorities.** Eastern Kentucky University shall: continue its tradition as an educator of classroom teachers and school administrators; support the needs of Kentucky's business community; respond to appropriate societal needs and public policy objectives; and respond to the region's technical education needs. These strategic directions translate into a core of liberal arts baccalaureate programs, in addition to degree programs at the certificate (C), associate (A), baccalaureate (B), master's (M), and specialist (S) levels that may include the following: — (relevant categories from the Classification of Instruction Programs by level are included in brackets) —



agricultural business (A, B - 01); conservation and renewable natural resources (B - 03); marketing (B - 08); communications (B - 09); computer and information science (B - 11); education (A, B, M, S - 13); engineering technologies (A, B, M - 15); home economics (B, M - 19); vocational home economics (A - 20); legal studies (A, B - 22); English and literature (M - 23); liberal arts (B - 24); biological sciences (B, M - 26); mathematics (B, M - 27); parks, recreation, and leisure (B, M - 31); physical sciences (M - 40); psychology (M, S - 42); protective sciences (C, A, B, M - 43); public administration and services (B, M - 44); social sciences (M - 45); precision and production trades (A - 48); transportation (B - 49); fine arts (B, M - 50); health professions (C, A, B, M - 51); and business management (A, B, M - 52).

**Enhancement of Instruction.** The primary mission of the University shall be to provide its students instruction of the highest possible quality. The University shall utilize information obtained through its assessment program to enhance the quality of its instructional programs.

**Public Service and Research Functions.** The public service efforts of Eastern Kentucky University shall be designed to meet the needs of its service region and be related to its academic programs and capabilities. The continuing education requirements of the region's public school personnel and assistance in economic development should receive special emphasis. Research shall support the primary function of instruction, supplement the University's public service efforts, and advance knowledge in the subject matter areas with which the University is concerned. The University shall develop cooperative applied research and teaching programs using such resources as Maywoods, Lilley Cornett Woods, and Pilot Knob Sanctuary.

**Collaborative Ventures.** As a member of the Commonwealth's higher education system, it is incumbent on the University to cooperate with the other institutions, the Council on Postsecondary Education, and other state and federal agencies in fulfilling the strategic for higher education in Kentucky. This shall include the appropriate and efficient use of telecommunications technology. Further, to the extent possible, the University should foster articulation between its programs and those of other institutions, both public and private, which emphasize the transfer of credits from other institutions toward degree completion.

**Efficiency and Effectiveness.** Eastern Kentucky University shall insure that its resources are expended in a manner consistent with its mission. This shall include the promotion of cost effectiveness in academic programming and institutional management. Strategic planning shall include both the identification of programs which are no longer responsive to societal needs or are unnecessarily duplicative of those of another institution and the development of carefully selected new programs compatible with this mission. Measures of quality and performance shall be integral to the University's assessment and accountability systems which promote continuous improvement of programs and services.

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# SECTION TWO

## Admission and Residency



## Admission to the University

### GENERAL REQUIREMENTS FOR UNDERGRADUATE ADMISSION

All applicants must provide an application and evidence of appropriate scholastic achievement through prior educational experience.

Please note that certain degree programs have special admission requirements. Admission to the University does not mean automatic admission to all degree programs.

To apply for undergraduate admission to Eastern Kentucky University (EKU), submit completed application materials noted below and the \$25 application fee (\$30 beginning Fall 2005) to: Office of Admissions, SSB 112, CPO 54, 521 Lancaster Avenue, Eastern Kentucky University, Richmond, KY 40475-3154.

### REQUIREMENTS FOR FRESHMAN FULL ADMISSION

- A. - graduate from an accredited high school, and earned a minimum cumulative high school grade point average of 2.0 on a 4.0 scale, or
  - receive a General Equivalency Diploma, or
  - complete an EKU approved home-school or distance learning high school program.
- B. - submit minimum ACT composite score of 18 (with no standard scores below 18) or SAT total score of 870 or higher.
- C. - meet the Kentucky Pre-College Curriculum
- D. - submit official copy of final high school transcript or GED exam results.

### PROVISIONAL ADMISSION

Provisional admission status will be granted to students who meet the requirements for full admissions in **A**, **B** and **D** above, but not **C**. Pre-college curriculum deficiencies must be remediated within the first 24 hours of enrollment excluding developmental hours.

### PROBATIONARY ADMISSION

- A. - graduate from an accredited high school and earned a minimum cumulative grade point average of 2.0 on a 4.0 scale, or
  - receive a General Equivalency Diploma, or
  - complete an EKU approved home-school or distance learning high school program.
- B. - submit minimum ACT composite scores of 15, 16, or 17.
- C. - submit official copy of final high school transcript or GED exam results.

### SPECIAL ADMISSIONS

Students not meeting probationary admission may apply to attend Eastern Kentucky University through a retention support program by applying for special admission. Enrollment at the University will be contingent on selection into this category.

Continued enrollment will require full participation and success in an identified retention support program as approved through special admissions.

Collaborating retention support programs may include: Bridge Program/First Step to College Success, NOVA, Project Success, HCOP, Education Pays Center, Center on Deafness, Academic Monitoring through Multicultural Student Services, and Student Athlete WIN Program. Retention support programs will be reviewed and approved yearly based on their retention successes.

### REQUIREMENTS FOR INTERNATIONAL STUDENTS

International applicants must also submit:

International application for admission and application fee.

- (1) T.O.E.F.L. (Test of English as a Foreign Language) score of at least 173 on the computer based T.O.E.F.L. exam or 500 on the paper based T.O.E.F.L. exam or ESL Certification from the Eastern Kentucky University English Language Institute.
- (2) Declaration and Certification of Finances and a supporting bank letter, showing financial support to attend Eastern Kentucky University.
- (3) Official copies of your secondary/high school transcript or certification of completion of high school. **Photo copies not accepted.**
- (4) Official College or University transcripts. **Photo copies not accepted.**
- (5) Application fee of \$25 (\$30 beginning Fall 2005).

### REQUIREMENTS FOR ADMISSION AS A TRANSFER STUDENT

To be admitted as a transfer student, you must:

- (1) Submit an official transcript from each regionally accredited institution you have attended. Eastern Kentucky University does not accept credits from institutions that are not regionally accredited. Note that the transcript must be sent from the student's institution to Eastern Kentucky University's Office of Admissions. Hand-carried transcripts will not be accepted.
- (2) Have a 2.0 grade point average (GPA) on a 4.0 scale on all work from accredited institutions.
- (3) Provide evidence that you are eligible to return to all institutions you have previously attended.

Although you are not required to submit ACT scores, you are encouraged to do so if you believe those scores might establish your proficiency in the basic skills of English, mathematics, and reading.

**\*Note:** If you are admitted as a transfer student, your cumulative GPA will include hours attempted and quality points earned from all regionally accredited institutions. The Academic Advising Office and the academic department of your major will determine the applicability of your courses to your academic program.

**\*Note:** Eastern Kentucky University subscribes fully to the policies of the "General Education Transfer Agreement" of the Kentucky Council on Postsecondary Education.

Thus, Eastern Kentucky University will apply courses transferred from Kentucky public institutions to its general education requirements in accord with those policies.

## REQUIREMENTS FOR READMISSION

### IF YOU HAVE NOT MAINTAINED CONTINUOUS ENROLLMENT AT EASTERN KENTUCKY UNIVERSITY, YOU MUST REAPPLY FOR ADMISSION TO THE UNIVERSITY.

If you are eligible to reenroll at Eastern Kentucky University and have not attended another institution since leaving, you will be readmitted upon submitting an application for readmission.

If you left Eastern Kentucky University on social probation or suspension, you must be approved by the Office of Student Affairs before being readmitted.

If you have attended another institution since leaving Eastern Kentucky University, you will be considered for admission under the guidelines for transfer students above.

## OTHER TYPES OF ADMISSION

### 1. High School Specials

Students who have one unit less than the number required for high school graduation with superior grades (i.e., 3.0+ grade point average) may be admitted upon the written recommendation of the high school principal.

### 2. Jump Start Students

High school seniors in Eastern Kentucky University's service region who have an interest in taking college-level course work while still enrolled in high school may enroll in the Jump Start program. Students may enroll in courses at any Eastern Kentucky University campus site including Richmond, Manchester, Corbin and Danville. Applicants must submit a Jump Start Recommendation Form to be eligible to participate in the program and must be in good academic standing with their high school in order to participate in the Jump Start Program. Tuition is waived for students participating in the program. Students are responsible for the cost of textbooks, parking permit, and any associated course fees.

### 3. Visiting Students

If you are a student at another institution and wish to enroll at Eastern Kentucky University as a visiting, or "transient," student, you may be admitted by submitting an official transcript or a statement indicating that you are eligible to return to your institution.

### 4. Admission as a Non-Degree Student

Upon submission of an application, you may be admitted as a non-degree student. If so admitted,

- (1) Your eligibility for enrollment in specific courses will be dependent upon meeting the stated course prerequisites. You must meet with an academic advisor to be advised and receive a RAC number;
- (2) You will **not** be eligible to receive financial assistance awards.

If you subsequently decide to pursue a degree, you must reapply for admission as a degree seeker. If you are thus admitted,

- (1) You will be required to remediate all pre-college curriculum deficiencies and to satisfy all Eastern Kentucky University developmental requirements.

### 5. O'Donnell Scholarship Recipients

If you are at least 65 years of age, you may be admitted to Eastern Kentucky University with a waiver of tuition. You need submit only an application for admission.

### 6. Special Consideration

If you do not meet the conditions for admission noted above, you may request special consideration for admission. Contact the Office of Admissions for procedures.

### 7. Home-Schooled Students

Eastern Kentucky University applies the same admissions requirements to home-schooled students as those who graduate from a public or private high school. Students who meet our criteria will be granted an admissions status as established by the current admissions policy; Full Admit, Provisional Admit, Probationary Admit, or Special Admit.

Home-schooled students are subject to the secondary education standards established by the Kentucky Department of Education and the Kentucky Council on Post Secondary Education. This includes meeting the curriculum guidelines of the State approved Pre-College Curriculum.

In order to gain admission to Eastern Kentucky University, in addition to the application and application fee, these students must submit a notarized copy of their official transcript demonstrating they have met the PCC curriculum and have a minimum accumulative GPA of 2.0 on a 4.0 scale. They must also submit an official ACT score report.

### 8. International Baccalaureate

Students who complete the International Baccalaureate Diploma may present their official exam results for demonstration of completion of secondary education. Based on the exam scores received, students will qualify for advanced academic placement (See Section 4 General Academic Information or [www.testing.eku.edu](http://www.testing.eku.edu)).

## Kentucky Pre-College Curriculum

The Kentucky Pre-College Curriculum (PCC) is defined by the Kentucky Council on Postsecondary Education (CPE) as a prescribed set of high school courses required for admission to an associate or baccalaureate degree program at a Kentucky public university. Students under 21 years of age must complete the PCC if they are admitted to the University as a degree seeking student or transfer in with less than 24 credit hours or transfer in with a GPA less than 2.0 on a 4.0 scale. According to CPE, the Pre-College Curriculum better prepares students for college-level work and reflects high school graduation requirements. Students admitted to the University with PCC deficiencies must complete courses to remediate these deficiencies. Pre-College Curriculum deficiencies must be remediated within the first 24 hours of enrollment, excluding developmental hours. Specific courses are designated to remediate PCC deficiencies in each content area.

Beginning Fall 2004, the PCC requirements are four credits of English/Language Arts (English I, English II, English III, and English IV or AP English), three credits of Mathematics (Algebra I, Algebra II, and Geometry)\*, three credits of Social Studies (from U.S. History, Economics, Government, World Geography, and World

Civilization), three credits of Science (credits include life science, physical science, and earth/space science, one course must be a lab science course.), one-half credit of health, one-half credit of physical education, one credit of History and Appreciation of Visual, Performing Arts (History and appreciation of visual and performing arts or another arts course that incorporates such content), and two credits or demonstrated competency of Foreign Language. Students are required to have five electives with three of those rigorous electives.\* It is strongly recommended that students have one or more courses that develop computer literacy. Students have a total of 22 credits (17 required credits and 5 elective credits).

\*Rigorous electives should have the academic content at least as challenging as that in courses required in the minimum high school graduation requirements. These electives should be in social studies, science, math, English and language arts, art and humanities, foreign language, and, above the introductory level, in agriculture, industrial technology, business, marketing, family and consumer sciences, health sciences, and technology education and career pathways. Electives in physical education and health are limited to one-half unit each.

If you have any questions concerning Kentucky Pre-College Curriculum requirements, please contact the Office of Academic Advising or the Office of Admissions. The following chart represents Pre-College Curriculum deficiency areas and courses required to remediate them:

<u>Code</u>	<u>Deficiency Area</u>	<u>Course(s) Required for Remediation</u>
ALG1 ALG2 GEOM	Mathematics	with developmental requirements: MAT 095 without developmental requirements: MAT 095 or MAT 098
ENG1 ENG2 ENG3 ENG4 ENG4	English	with developmental requirements: ENG 095 without developmental requirements: ENG 101*
SOST	Social Studies	HIS 098
SCIE	Science	SCI 098 or BIO 100*, BIO 102*, BIO 121*, CHE 100*, CHE 101*, CHE 105*, CHE 111*, GLY 102*, GLY 108*, NAT 101*, NAT 171*, NAT 172*, PHY 101*, PHY 102*, PHY 131*, PHY 201*
HEAL	Health	HEA 281*
PHYS	Physical Education	HPR 180*
<u>Code</u>	<u>Deficiency Area</u>	<u>Course(s) Required for Remediation</u>
ARTS	Visual, Performing Arts	ART 098
FORL	Foreign Languages	ASL 102*, FLS 102*, FRE 102*, GER 102*, ITA 102*, JPN 102*, LAT 102*, RUS 102*, SPA 102*

\*Courses count toward degree credit.

## Student Residency

Since registration and other fees and residence hall room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Office of Admissions prior to the beginning of each academic year.

### 13 KAR 2:045. Determination of residency status for admission and tuition assessment purposes.

RELATES TO: KRS Chapter 13B, 164.020, 164.030, 164A.330(6)

STATUTORY AUTHORITY: KRS 164.020(8)

**NECESSITY, FUNCTION, AND CONFORMITY:** KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the Council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported postsecondary education institution.

#### Section 1. Definitions.

- (1) "Academic term" means a division of the school year during which a course of studies is offered, and includes a semester, quarter, or single consolidated summer term as defined by the institution.
- (2) "Continuous enrollment" means enrollment in a state-supported postsecondary education institution at the same degree level for consecutive terms, excluding summer term, since the beginning of the period for which continuous enrollment is claimed unless a sequence of continuous enrollment is broken due to extenuating circumstances beyond the student's control, including serious personal illness or injury, or illness or death of a parent.
- (3) "Degree level" means enrollment in a course or program which could result in the award of a:
  - (a) Certificate, diploma or other program at an institution;
  - (b) Baccalaureate degree or lower including enrollment in a course by a non-degree seeking postbaccalaureate student;
  - (c) Graduate degree or graduate certification other than a first-professional degree in law, medicine, dentistry or "Pharm. D"; or
  - (d) Professional degree in law, medicine, dentistry, or "Pharm. D".
- (4) "Demonstration of Kentucky domicile and residency" means the presentation of documented information and evidence sufficient to prove by a preponderance of the evidence that a person is domiciled in Kentucky and is a resident of Kentucky.
- (5) "Dependent person" means a person who cannot demonstrate financial independence from parents or persons other than a spouse and who does not meet the criteria established in Section 5 of this administrative regulation.



- (6) "Determination of residency status" means the decision of a postsecondary education institution that may include a formal hearing that results in the classification of a person as a Kentucky resident or as a nonresident for admission and tuition assessment purposes.
- (7) "Domicile" means a person's true, fixed, and permanent home and is the place where the person intends to remain, and to which the person expects to return if absent without intending to establish a new domicile elsewhere.
- (8) "Full-time employment" means continuous employment for at least forty-eight (48) weeks at an average of at least thirty (30) hours per week.
- (9) "Independent person" means a person who demonstrates financial independence from parents or persons other than a spouse and who can meet the criteria established in Section 5 of this administrative regulation.
- (10) "Institution" means an entity defined in KRS 164.001(11) if the type of institution is not expressly stated and includes the Kentucky Virtual University, the Council on Postsecondary Education, and the Kentucky Higher Education Assistance Authority.
- (11) "Kentucky resident" means a determination by an institution that a person is domiciled and is a resident of Kentucky as determined by this administrative regulation.
- (12) "Nonresident" means a person who is domiciled outside of Kentucky or who currently maintains legal residence outside Kentucky or who is not a Kentucky resident within the meaning of this administrative regulation.
- (13) "Parent" means one (1) of the following:
  - (a) A person's father or mother; or
  - (b) A court-appointed legal guardian if:
    - 1. The guardianship is recognized by an appropriate court within the United States;
    - 2. There was a relinquishment of the rights of the parents; and
    - 3. The guardianship was not established primarily to confer Kentucky residency on the person.
- (14) "Preponderance of the evidence" means the greater weight of evidence, or evidence which is more credible and convincing to the mind.
- (15) "Residence" means the place of abode of a person and the place where the person is physically present most of the time for a noneducational purpose in accordance with Section 3 of this administrative regulation.
- (16) "Student financial aid" means all forms of payments to a student if one (1) condition of receiving the payment is the enrollment of the student at the institution.
- (17) "Sustenance" means living expenses include room, board, maintenance, transportation, and also may include educational expenses including tuition, fees, books, and supplies.

## Section 2. Scope.

- (1) State-supported postsecondary education institutions were established and are maintained by the Commonwealth of Kentucky primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to postsecondary education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to postsecondary education shall be provided so far as feasible at reasonable cost to an individual who is domiciled in Kentucky and who is a resident of Kentucky.

- (2) The Council on Postsecondary Education may require a student who is neither domiciled in nor a resident of Kentucky to meet higher admission standards and to pay a higher level of tuition than resident students.
- (3) This administrative regulation applies to all student residency determinations regardless of circumstances, including residency determinations made by the state-supported institutions for prospective and currently-enrolled students; the Southern Regional Education Board contract spaces; reciprocity agreements, where appropriate; the Kentucky Virtual University; academic common market programs; the Kentucky Educational Excellence Scholarship Program; and other state student financial aid programs, as appropriate.

## Section 3. Determination of Residency Status: General Rules.

- (1) A determination of residency shall include:
  - (a) An initial determination of residency status by an institution during the admission process or upon enrollment in an institution for a specific academic term or for admission into a specific academic program;
  - (b) A reconsideration of a determination of residency status by an institution based upon a changed circumstance; and
  - (c) A formal hearing conducted by an institution upon request of a student after other administrative procedures have been completed.
- (2) An initial determination of residency status shall be based upon:
  - (a) The facts in existence when the credentials established by an institution for admission for a specific academic term have been received and during the period of review by the institution;
  - (b) Information derived from admissions materials;
  - (c) Other materials required by an institution and which are consistent with this administrative regulation; or
  - (d) Other information available to the institution from any source.
- (3) An individual seeking a determination of Kentucky residency status shall demonstrate that status by a preponderance of the evidence.
- (4) A determination of residency status shall be based upon verifiable circumstances or actions.
- (5) Evidence and information cited as the basis for Kentucky domicile and residency shall accompany the application for a determination of residency status.
- (6) A student classified as a nonresident shall retain that status until the student is officially reclassified by an institution.
- (7) A student may apply for a review of a determination of residency status once for each academic term.
- (8) If an institution has information that a student's residency status may be incorrect, the institution shall review and determine the student's correct residency status.
- (9) If the Council on Postsecondary Education has information that an institution's determination of residency status for a student may be incorrect, it may require the institution to review the circumstances and report the results of that review.
- (10) An institution shall impose a penalty or sanction against a student who gives incorrect or misleading information to an institutional official, including payment of nonresident tuition for each academic term for which resident tuition was assessed based on an improper determination of residency status. The penalty may also include:
  - (a) Student discipline by the institution through a policy written and disseminated to students; or
  - (b) Criminal prosecution.

**Section 4. Presumptions Regarding Residency Status.**

- (1) In making a determination of residency status, it shall be presumed that a person is a nonresident if:
  - (a) A person is, or seeks to be, an undergraduate student and admissions records show the student to be a graduate of an out-of-state high school within five (5) years prior to a request for a determination of residency status;
  - (b) A person's admission records indicate the student's residence to be outside of Kentucky at the time of application for admission;
  - (c) A person moves to Kentucky primarily for the purpose of enrollment in an institution;
  - (d) A person moves to Kentucky and within twelve (12) months at an institution more than half time; or
  - (e) A person has a continuous absence of one (1) year from Kentucky.
- (2) A presumption arising from subsection (1) of this section shall be overcome by presentation of evidence that is sufficient to demonstrate that a person is domiciled in and is a resident of Kentucky.

**Section 5. Determination of Whether a Student is Dependent or Independent.**

- (1) In a determination of residency status, an institution shall first determine whether a student is dependent or independent. This provision is predicated on the assumption that a dependent person lacks the financial ability to live independently of the person upon whom the student is dependent and therefore lacks the ability to form their requisite intent to establish domicile.
- (2) In determining the dependent or independent status of a person, the following information shall be considered as well as other relevant information available at the time the determination is made:
  - (a) 1. Whether the person has been claimed as a dependent on the federal or state tax returns of a parent or other person for the year preceding the date of application for a determination of residency status; or
  2. Whether the person is no longer claimed by a parent or other person as a dependent or as an exemption for federal and state tax purposes; and
  - (b) Whether the person has financial earnings and resources independent of a person other than an independent spouse necessary to provide for the person's own sustenance.
- (3) An individual who enrolls at an institution immediately following graduation from high school and remains enrolled shall be presumed to be a dependent person unless the contrary is evident from the information submitted.
- (4) Domicile may be inferred from the student's permanent address, parent's mailing address, or location of high school of graduation.
- (5) Marriage to an independent person domiciled in and who is a resident of Kentucky shall be a factor considered by an institution in determining whether a student is dependent or independent.
- (6) Financial assistance from or a loan made by a parent or family member other than an independent spouse, if used for sustenance of the student:
  - (a) Shall not be considered in establishing a student as independent; and

- (b) Shall be a factor in establishing that a student is dependent.

**Section 6. Effect of a Determination of Dependent Status on a Determination of Residency Status.**

- (1) The effect of a determination that a person is dependent shall be:
  - (a) The domicile and residency of a dependent person shall be the same as either parent. The domicile and residency of the parent shall be determined in the same manner as the domicile and residency of an independent person.
  - (b) The domicile and residency of a dependent person whose parents are divorced, separated, or otherwise living apart shall be Kentucky if either parent is domiciled in and is a resident of Kentucky regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to federal or Kentucky income tax provisions.
- (2) (a) If the parent or parents of a dependent person are Kentucky residents and are domiciled in Kentucky but subsequently move from the state, the dependent person shall be considered a resident of Kentucky while in continuous enrollment at the degree level in which currently enrolled.
- (b) If continuous enrollment is broken or the current degree level is completed, the dependent person's residency status shall be reassessed when the circumstances detailed in subparagraph 1 of this paragraph are present.

**Section 7. Member of Armed Forces of the United States, Spouse and Dependents; Effect on a Determination of Residency Status.**

- (1) A member, spouse, or dependent of a member whose domicile and residency was Kentucky at the time of induction into the Armed Forces of the United States, and who maintains Kentucky as home of record and permanent address, shall be entitled to Kentucky residency status:
  - (a) During the time of active service; or
  - (b) If the member, spouse, or dependent returns to this state within six (6) months of the date of the member's discharge from active duty.
- (2) (a) A member, spouse or dependent of a member of the Armed Forces of the United States stationed in Kentucky on active military orders shall be considered a Kentucky resident while the member is on active duty in this state pursuant to those orders if the member is not:
  1. Stationed in Kentucky for the purpose of enrollment at an institution; or
  2. On temporary assignment of less than one (1) year.
- (b) A member, spouse or dependent of a member, shall not lose Kentucky residency status if the member is thereafter transferred on military orders while the member, spouse or dependent requesting the status is in continuous enrollment at the degree level in which currently enrolled.
- (3) Membership in the National Guard or civilian employment at a military base alone shall not qualify a person for Kentucky residency status under the provisions of subsections (1) and (2) of this section
- (4) A person's residency status established pursuant to this section shall be reassessed if the qualifying condition is terminated.



### Section 8. Status of Nonresident Aliens; Visas and Immigration.

- (1) (a) A person holding a permanent residency visa or classified as a political refugee shall establish domicile and residency in the same manner as another person.
- (b) Time spent in Kentucky and progress made in fulfilling the conditions of domicile and residency prior to obtaining permanent residency status shall be considered in establishing Kentucky domicile and residency.
- (2) A person holding a nonimmigrant visa with designation A, E, G, H-1, H-4 if accompanying a person with an H-1 visa, I, K, L, N, R, shall establish domicile and residency the same as another person.
- (3) (a) An independent person holding a nonimmigrant visa with designations B, C, D, F, H-2, H-3, H-4 if accompanying a person with an H-2 or H-3 visa, J, M, O, P, Q, S, TD or TN shall not be classified as a Kentucky resident, because that person does not have the capacity to remain in Kentucky indefinitely and therefore cannot form the requisite intent necessary to establish domicile within the meaning of this administrative regulation.
- (b) A dependent person holding a visa as described in paragraph (a) of this subsection, but who is a dependent of a parent holding a visa as described in subsection (2) of this section, shall be considered as holding the visa of the parent.
- (c) A dependent person holding a visa described in subsection (2) of this section or paragraph (a) of this subsection, if a parent is a citizen of the United States and is a resident of and domiciled in Kentucky, shall be a resident of Kentucky for the purposes of this administrative regulation.
- (4) A person shall be a Kentucky resident for the purpose of this administrative regulation if the person graduated from a Kentucky high school and:
  - (a) Is an undocumented alien;
  - (b) Holds a visa listed in subsections (2) or (3) (a) of this section; or
  - (c) Is a dependent of a person who holds a visa listed in subsections (2) or (3) (a) of this section.
- (5) (a) Except as provided in paragraph (b) of this subsection, a person who has petitioned the federal government to reclassify visa status shall continue to be ineligible until the petition has been decided by the federal government.
- (b) A person who has petitioned the federal government to reclassify visa status based on a marriage to a Kentucky resident and who can demonstrate that the petition has been filed and acknowledged by the federal government, may establish Kentucky domicile and residency at that time.

### Section 9. Beneficiaries of a Kentucky Educational Savings Plan Trust.

A beneficiary of a Kentucky Educational Savings Plan Trust shall be granted residency status if the beneficiary meets the requirements of KRS 164A.330(6).

### Section 10. Criteria Used in a Determination of Residency Status.

- (1) A determination of Kentucky domicile and residency shall be based upon verifiable circumstances or actions. A single fact shall not be paramount, and each situation shall be evaluated to identify those facts which are essential to the determination of domicile and residency.

- (2) The following facts, although not conclusive, shall have probative value in their entirety and shall be individually weighted, appropriate to the facts and circumstances in each determination of residency:
  - (a) Acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining residence and domicile in Kentucky;
  - (b) Continuous physical presence in Kentucky while in a nonstudent status for the twelve (12) months immediately preceding the start of the academic term for which a classification of Kentucky residency is sought;
  - (c)
    1. Filing of Kentucky resident income tax return for the calendar year preceding the date of application for a change in residency status; or
    2. Payment of Kentucky withholding taxes while employed during the calendar year for which a change in classification is sought;
  - (d) Full-time employment of at least one (1) year while living in Kentucky;
  - (e) Attendance as a full-time, nonresident student at an out-of-state institution based on a determination by that school that the person is a resident of Kentucky;
  - (f) Abandonment of a former domicile or residence and establishing domicile and residency in Kentucky with application to or attendance at an institution following and incidental to the change in domicile and residency;
  - (g) Obtaining licensing or certification for a professional and occupational purpose in Kentucky;
  - (h) Payment of real property taxes in Kentucky;
  - (i) Ownership of real property in Kentucky, if the property was used by the student as a residence preceding the date of application for a determination of residency status;
  - (j) Long-term lease of at least twelve (12) consecutive months of noncollegiate housing;
  - (k) Marriage of an independent student to a person who was domiciled in and a resident of Kentucky prior to the marriage;
  - (l) Continued presence in Kentucky during academic breaks; and
  - (m) The extent to which a student is dependent on student financial aid in order to provide basic sustenance.
- (3) Except as provided in subsection (4) of this section, the following facts, because of the ease and convenience in completing them, shall have limited probative value in a determination that a person is domiciled in and is a resident of Kentucky:
  - (a) Kentucky automobile registration;
  - (b) Kentucky driver's license; and
  - (c) Registration as a Kentucky voter.
- (4) The absence of a fact contained in subsection (3) of this section shall have significant probative value in determining that a student is not domiciled in or is not a resident of Kentucky.
- (5) A person shall not be determined to be a Kentucky resident by the performance of an act which is incidental to fulfilling an educational purpose or by an act performed as a matter of convenience. Mere physical presence in Kentucky, including living with a relative or friend, shall not be sufficient evidence of domicile and residency. A person shall respond to all information requested by an institution.

**Section 11. Effect of a Change in Circumstances on Residency Status.**

- (1) If a person becomes independent or if the residency status of a parent or parents of a dependent person changes, an institution shall reassess residency either upon a request by the student or a review initiated by an institution.
- (2) Upon transfer to a Kentucky institution, a student's residency status shall be reassessed by the receiving institution.
- (3) A reconsideration of a determination of residency status for a dependent person shall be subject to the provisions for continuous enrollment, if applicable.

**Section 12. Student Responsibilities.**

- (1) A student shall report under the proper residency classification which includes the following actions:
  - (a) Raising a question in a timely manner concerning residency classification;
  - (b) Making application for change of residency classification in a timely manner with the designated office or person at the institution; and
  - (c) Notifying the designated office or person at the institution immediately upon a change in residency.
- (2) If a student fails to notify an institutional official of a change in residency, an institutional official may investigate and evaluate the student's current residency status.
- (3)
  - (a) If a student fails to provide, by the date specified by the institution, information required by an institution in a determination of residency status, the student shall be notified by the institution that the review has been canceled and that a determination has been made.
  - (b) Notification shall be made by registered mail, return receipt requested.
  - (c) Notification shall be made within ten (10) calendar days after the deadline for receipt of materials has passed.
- (4) A student shall not be entitled to appeal a determination of residency status if the determination made by an institution is made because a student has failed to meet published deadlines for the submission of information as set forth in subsection (3) of this section. A student may request a review of a determination of residency status in a subsequent academic term.

**Section 13. Institutional Responsibilities. Each institution shall:**

- (1) Provide for an administrative appeals process that includes a residency appeals officer to consider student appeals of an initial residency determination and which shall include a provision of fourteen (14) days for the student to appeal the residency appeals officer's determination;
- (2) Establish a residency review committee to consider appeals of residency determinations by the residency appeals officer. The residency review committee shall make a determination of student residency status and notify the student in writing within forty-five (45) days after receipt of the student appeal;
- (3) Establish a formal hearing process as described in Section 14 of this administration regulation; and
- (4) Establish written policies and procedures for administering the responsibilities established in subsections (1), (2), and (3) of this section and that are:
  - (a) Approved by the institution's governing board;
  - (b) Made available to all students; and
  - (c) Filed with the council.

**Section 14. Formal Institutional Hearing.**

- (1) A student who appeals a determination of residency by a residency review committee shall be granted a formal hearing by an institution if the request is made by a student in writing within fourteen (14) calendar days after notification of a determination by a residency review committee.
- (2) If a request for a formal hearing is received, an institution shall appoint a hearing officer to conduct a formal hearing. The hearing officer:
  - (a) Shall be a person not involved in determinations of residency at an institution except for formal hearings; and
  - (b) Shall not be an employee in the same organizational unit as the residency appeals officer.
- (3) An institution shall have written procedures for the conduct of a formal hearing that have been adopted by the board of trustees or regents, as appropriate, and that provide for:
  - (a) A hearing officer to make a recommendation on a residency appeal;
  - (b) Guarantees of due process to a student that include:
    1. The right of a student to be represented by legal counsel; and
    2. The right of a student to present information and to present testimony and information in support of a claim of Kentucky residency.
  - (c) A recommendation to be issued by the hearing officer.
- (4) An institution's formal hearing procedures shall be filed with the Council on Postsecondary Education and shall be available to a student requesting a formal hearing.

**Section 15. Cost of Formal Hearings.**

- (1) An institution shall pay the cost of all residency determinations including the cost of a formal hearing.
- (2) A student shall pay for the cost of all legal representation in support of the student's claim of residency. (17 Ky.R. 2557; eff. 4-5-91; Am. 22 Ky.R. 1656; 1988; eff. 5-16-96; 23 Ky.R. 3380; 3797; 4099; eff. 6-16-97; 24 Ky.R. 2136; 2705; 25 Ky.R. 51; eff. 7-13-98; 25 Ky.R. 2177; 2577; 2827; eff. 6-7-99; 749; 1238; eff. 11-12-2002.)

## Residency Appeals Policy and Procedures

**1. BASIS FOR RESIDENCY CLASSIFICATION**

The Commonwealth of Kentucky has established a process and corresponding criteria for the determination of residency classification for students seeking admission to, or enrolled in, public institutions of higher education. The Council on Postsecondary Education (hereinafter referred to as "CPE") has established Kentucky Administrative Regulation 13 KAR 2:045 (hereinafter referred to as "the Regulation") to be followed by all public institutions of higher education in the Commonwealth concerning residency classification. As well as being published in the current *Undergraduate Catalog*, this Regulation can be found in the current *Graduate Catalog* and copies are available upon request from the Office of Admissions, located in Student Services Building, Room 112 or by calling (859) 622-2106 or 1-800-465-9191.

## 2. INSTITUTIONAL ADMINISTRATION OF THE RESIDENCY POLICY

The CPE authorizes each institution to establish a procedure for the determination of residency classification based upon the Regulation.

### 2.1 Office of Admissions

The Office of Admissions, Student Services Building, Room 112, CPO 54, 521 Lancaster Avenue, Richmond, KY 40475-3154, at Eastern Kentucky University serves as the coordinating office for institutional implementation of the Regulation. Instructions for filing applications for reclassification and copies of the Regulation are available in this office. Also, Admissions staff members are available to answer questions regarding policy and procedures.

### 2.2 Initial Classification

The initial determination of residency status is made by the University based upon the credentials submitted by an applicant for admission to the University in accordance with the Regulations.

### 2.3 Appeal of Residency Status

Once an initial classification of residency is made by the Office of Admissions, it is the student's responsibility to initiate an appeal of such classification. Request for reclassification must be filed with the Office of Admissions **NO LATER THAN 30 CALENDAR DAYS** after the first full day of classes of the fall or spring academic term for which reclassification is sought or not later than ten (10) calendar days after the first day of class for the summer term. Request for reclassification are to be made in affidavit form on the form available from the Office of Admissions. A student may apply only once during an academic term. A student classified as a non-resident will retain that status until a change is brought about by successful appeal. If an appeal results in a change of classification, the change will not be effective earlier than the semester during which the appeal is filed. If a student is initially classified non-resident but does not enroll the semester for which the student originally applied, the residency classification will be reassessed for subsequent semesters.

### 2.4 Affidavit (Application for Reclassification)

Affidavits will not be accepted unless the form is fully completed, properly signed and notarized. In no case will a decision be granted without an affidavit and all required supporting documentation.

### 2.5 Documentation

Because of the variety of factors related to establishing residency for tuition purposes, the number of documents required to complete an appeal may vary from ease to case. In all cases, the University may require certification of authenticity of documents. It is the appealing student's responsibility to provide sufficient documentation to clarify circumstances related to the appeal. In all cases, circumstances related to establishing domicile must be verifiable.

### 2.6 Review of the residency file by the Residency Appeals Officer

A Residency Appeals Officer designated by the University shall review the affidavit and documentation and notify the student, in writing, within fourteen (14) days of making a determination. Students who do not agree with the Residency Appeals Officer's determination may appeal his/her residency

status to the University's Residency Review Committee within fourteen (14) days of the Residency Appeals Officer's determination.

## 3. UNIVERSITY RESIDENCY REVIEW COMMITTEE

Pursuant to the Regulation, Eastern Kentucky University has a Residency Review Committee (hereinafter referred to as the "Committee") to review and evaluate student affidavits for reclassification and to consider changes in the residency classification.

### 3.1 Timely Appeal

The Student must notify the Residency Appeals Officer in writing, if he or she wishes his/her case to be reviewed by the Committee, within fourteen (14) calendar days after notification of the Residency Appeals Officer's determination. The Residency Appeals Officer shall immediately forward the request and the student's residency file to the Chair of the Committee.

### 3.2 Committee Membership

The Residency Review Committee shall be comprised of three members: the Associate Vice President for Enrollment Management; a member of the Faculty-at-Large, who shall be appointed annually by the Faculty Senate; and a member of the student body, who shall be appointed by the Office of the Vice President for Student Affairs from a list of students recommended by the Student Association.

### 3.3 Determination of the Committee

The Committee shall issue a written decision citing the section of the Regulation on which the decision is based. The Committee may vote to defer a case for additional documentation, or the Committee may make a decision contingent upon conditions prescribed by the Committee. The Chair of the Committee will then determine when and whether contingencies are met.

### 3.4 Notification of Decision

The Committee shall make a determination of student residency status and notify the student, in writing, within forty-five (45) days after receipt of the student appeal. Decisions denying appeals are communicated to the student by certified mail, return receipt requested. In all cases where the Committee reaches a determination granting in-state residency status, copies of the letter of notification will be sent to the Office of Admissions, Billings and Collections, the Registrar's Office, and Student Financial Assistance.

## 4. REQUEST FOR FORMAL HEARING

Pursuant to the Regulation, the University shall provide a formal hearing in the event a student wishes to appeal the determination of the Residency Review Committee.

### 4.1 Timely Request

A student who wishes to appeal the determination of the Committee shall be granted a formal hearing by the University if the student notifies the Office of the Associate Vice President for Enrollment Management, Student Services Building, Room 340, CPO 63, Richmond, KY 40475-3163, in writing, within fourteen (14) calendar days after notification of the Residency Review Committee's determination. The Associate Vice President for Enrollment Management shall immediately forward the request and the student's residency file to the Office of the President.



**4.2 The Hearing Officer**

Upon receipt of a request for a formal hearing, the University President shall appoint a Hearing Officer to conduct the hearing. The Hearing Officer shall not be a person involved in determinations of residency at a public institution of higher education in Kentucky (including the Kentucky Commonwealth Virtual University) and shall not be an employee of the same organizational unit as the Residency Appeals Officer.

**4.3 Formal Hearing Procedures**

The hearing shall be conducted in accordance with the following procedures:

**4.3.1. Notice of Hearing**

- 4.3.1.a.** The University shall conduct the hearing as soon as practicable and shall give notice of the hearing to the parties not less than twenty (20) days in advance of the date set for the hearing. A reasonable effort shall be made to schedule the hearing on a date that is convenient to all parties involved.
- 4.3.1.b.** The hearing notice shall be served on all parties by certified mail, return receipt requested, to the last known addresses of the parties, or by personal service.
- 4.3.1.c.** The notice shall be in plain language and shall include:
  - the date, time and place of the hearing;
  - the name, official title, and mailing addresses of the Hearing Officer;
  - the names, official titles, mailing addresses, and, if available, telephone numbers of all parties involved in the hearing, including the counsel or representative of the University; and
  - a statement advising the student of his/her right to legal counsel.

**4.3.2. Hearing Procedure**

- 4.3.2.a.** The Hearing Officer shall conduct the hearing and all related proceedings in a manner which will promote the orderly and prompt conduct of the hearing.
- 4.3.2.b.** To the extent necessary for the full disclosure of all relevant facts and issues, the Hearing Officer shall give all parties the opportunity to respond, present evidence and argument, conduct cross-examination, and submit rebuttal evidence.
- 4.3.2.c.** Any party to the hearing may participate in person or be represented by counsel. A student shall pay for the cost of all legal representation in support of the student's claim or residency. Legal counsel for the student must file a notice of appearance with the Hearing Officer prior to the date of the hearing.
- 4.3.2.d.** The Hearing Officer may conduct all or part of the hearing by telephone, television, or other electronic means, if each party to the hearing has an opportunity to hear, and if technically feasible, to see the entire proceeding as it occurs, and if each party agrees.

- 4.3.2.e.** The hearing shall be open to the public unless specifically closed pursuant to a provision of law. If the hearing is conducted by telephone, television, or other electronic means, and is not closed, public access shall be satisfied by giving the public an opportunity, at reasonable times, to hear or inspect the University's records.

**4.4 Findings of Fact; Evidence; Recording of Hearing; Burden of Proof**

- 4.4.1.** Findings of fact shall be based exclusively on the evidence on the record.
- 4.4.2.** All testimony shall be made under oath or affirmation.
- 4.4.3.** Objections to evidence presented may be made by any party and shall be noted in the record.
- 4.4.4.** The University shall be responsible for having all testimony, motions and objections in a hearing accurately and completely recorded. Any person, upon request, may receive a copy of the recording or a copy of the transcript, if the hearing has been transcribed, at the discretion of the University, unless the hearing is closed by law. The University may prepare a transcript of a hearing or a portion of a hearing upon request but the party making the request shall be responsible for the transcription costs. The form of all requests and fees charged shall be consistent with KRS 61.870 to 61.884.
- 4.4.5.** Unless otherwise provided by state or federal law, the student appealing the residency decision has the burden of proving the student's right to having his/her residency status changed. The student has the ultimate burden of proof of persuasion as to this issue to be shown by a preponderance of evidence in the record. Failure to meet the burden of proof is grounds for a recommended order from the Hearing Officer.

**4.5 Prohibited Communications**

- 4.5.1.** The Hearing Officer shall not communicate off the record with any party to the hearing or any other person who has a direct or indirect interest in the outcome of the hearing, concerning any substantive issue, while the hearing is pending.

**4.6. Recommended Order**

- 4.6.1.** The Hearing Officer shall complete and submit to the University President, no later than sixty (60) days following receipt of the student's residency file, a written recommended order which shall include the Hearing Officer's findings of fact, conclusion of law, and recommended disposition of the hearing.
- 4.6.2.** A copy of the Hearing Officer's recommended order shall also be sent to each party in the hearing. Each party shall have fifteen (15) days from the date the recommended order is mailed within which to file exceptions to the recommendations with the University

President. The recommended order may be sent by regular mail to the last known address of the party.

#### **4.7. Final Order**

- 4.7.1.** In making the final order, the University President shall consider the record including the recommended order and any exceptions filed by, or on behalf of, the student.
- 4.7.2.** The University President may accept the recommended order of the Hearing Officer and adopt it as the University's final order, or he or she may reject or modify, in whole or in part, the recommended order, or he or she may send the matter, in whole or in part, back to the Hearing Officer for further proceedings as appropriate.
- 4.7.3.** The final order shall be in writing. If the final order differs from the recommended order, it shall include separate statements of findings of fact and conclusions of law.
- 4.7.4.** The University President shall render a final order within thirty (30) days after receipt of the recommended order unless the matter is sent back to the Hearing Officer for further proceedings.
- 4.7.5.** A copy of the final order shall be transmitted to each party or to his/her attorney of record by certified mail, return receipt requested, sent to the last known address of the parties, or by personal service. A copy of the final order shall also be sent to the Office of Admissions, Billings and Collections, the Registrar's Office, and Student Financial Assistance.

### **5. RECORDS**

All official files and materials relating to a student's appeal of an initial residency determination shall be returned to the Office of Admissions to be placed with the application for admissions at whatever point in the process the appeals procedure is terminated.



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# SECTION THREE

## Student Support and Services

## OFFICE OF FINANCIAL AFFAIRS AND TREASURER

The Office of Financial Affairs and Treasurer coordinates the following areas of University operations: 1) accounting and financial services, 2) billings and collections, 3) human resources, and 4) purchases and stores.

Students may view the mission statement of each of the above areas by visiting the Office of Financial Affairs and Treasurer web page [www.financialaffairs.eku.edu](http://www.financialaffairs.eku.edu).

### Financial Obligations of the Student

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his/her financial obligations within the time limit prescribed is responsible for calling on the Division of Billings and Collections and explaining the reasons for failure to pay. Students who fail to pay their account balance in a timely manner may also be liable for additional collection costs incurred by the University in collecting the amount owed.

### Refund Policy

No refund can be made on certain class fees and optional fees as established by the Eastern Kentucky University Board of Regents. Students wishing to withdraw from courses must do so on-line via **EKUDirect** (on the EKU homepage at [www.eku.edu](http://www.eku.edu)). When a student officially withdraws from the University or from any course, or courses, for which hourly rates apply, tuition and fees will be adjusted in the following manner:

<u>Time Period*</u>	<u>Refund</u>
During ADD/DROP period for any class (for full semester classes=1st week)	100%
From end of 1st week thru end of 2nd week of class	75%
From end of 2nd week thru end of 3rd week of class	50%
From end of 3rd week thru end of 4th week of class	25%
After the 4th week of class	0%

\*Partial semester courses vary in length and the percentage of refunds and the effective dates will be modified accordingly.

**This policy applies to refundable fees only; non-refundable fees are not included.**

In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

An appeals process exists for students and/or parent(s) of students who feel that individual circumstances warrant exceptions from published policy. Request for an appeal should be addressed to the Director of Billings and Collections.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course

load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he or she was not eligible, a full refund will be made of the registration fee for the course being dropped.

## DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs coordinates the following departments involving student operations and participation:

- 1) Career Services, 2) Campus Recreation/Intramural Sports, 3) Counseling Services, 4) Dean of Students, 5) Dining Services, 6) First Year Programs, 7) Greek Affairs, 8) Mediation Center, 9) Meditation Chapel, 10) Multi-Cultural Student Affairs, 11) Public Safety and Parking Services, 12) Student Health Services, 13) Student Leadership and Involvement, 14) Student Life, 15) University Bookstore, 16) University Housing, and 17) Volunteerism.

Students may participate in a wide variety of programs providing a holistic experience in and out of the classroom. Student Affairs encourages students to enhance their college experience by offering leadership programs to aid in becoming responsible citizens of communities, citizens of democracy, and professional people. Immediate emphasis is directed towards those activities which assist students in attaining a maximum personal, social and academic growth in a stimulating environment.

### Campus Recreation/ Intramural Sports

The Office of Campus Recreation offers a variety of recreational opportunities for the entire University community. In the new student recreation center, which will be open approximately 100 hours per week, one will be able to work-out in a state of the art fitness center, participate in numerous group exercise classes, play basketball and volleyball in the gyms, exercise on the indoor track, or relax in the lounge. Intramural leagues are offered in the following sports: Flag Football, Soccer, Volleyball, Basketball, and Softball. Campus Recreation also offers many individual/dual sport activities and special events. The Burke Wellness Center is conveniently located in the heart of campus, and the outdoor basketball courts remain action packed during the Spring, Summer, and Fall. There are usually 5-10 active sport clubs during any given year.

Many departments on campus contribute to the promotion of healthy lifestyles. Other facilities available to the student body include: an outdoor track, a wood chip trail, a ropes course, several tennis courts, two swimming pools, and the University Golf Course. Feel free to contact us at (859) 622-1244 for additional information.

### Career Services ([www.career.eku.edu](http://www.career.eku.edu))

Career Services assists all students and alumni who are seeking employment and/or clarifying their career direction. For students who have a tentative career direction or major in mind, Career Services can help by providing information on: career opportunities, destinations of past graduates, careers by major, supply and demand, salaries, and potential employers. FOCUS, an online career planning/job search skill development tool, is available to help students explore their interests and provide information on occupations and graduate schools.

Career Services assists students and alumni develop job search tools including resumes, cover letters, job campaign strategies, internet job searching, professional dress, dining etiquette and interviewing. In addition to the web site, help is available via seminars, handouts, mock interviews and individual appointments.

Students can use Career Services to connect with jobs both while in school (part-time, internships, summer) and for professional employment following graduation. Jobs (local, regional and national) and employer contacts are posted daily on EKU eRecruiting at the Career Services web site. Students and alumni can also post their resume and create search agents to push targeted opportunities to their email accounts. Career/job fairs are conducted throughout the year for exploring opportunities and networking with employers. Employers interview on-campus during the fall and spring.

Information on Career Services is available at [www.career.eku.edu](http://www.career.eku.edu) or by calling (859) 622-1568.

### **The Chapel of Meditation**

The Chapel of Meditation is non-sectarian and is open to students, faculty, staff, alumni, and friends of the University for meditation, prayer, and spiritual reflection. The Chapel is used for weddings, memorial services, and for special services by the various religious organizations and student groups. The University Chaplain's office is located in the basement of the Chapel. The Chaplain is available to perform weddings. The Chaplain coordinates the various activities of the Chapel.

### **Counseling Center**

The University Counseling Center offers services designed to promote the success of students in achieving their academic, social and personal goals. The Counseling Center staff consists of psychologists and counselors who provide personal and career counseling both individually and in groups. Substance abuse assessment and counseling are also available at the Counseling Center. Referral services are provided when the need is beyond the role and scope of the Counseling Center.

The Career Counseling Seminar (GCS 199-one credit hour) is offered each semester for students who are unsure of their majors. Forty sections are offered each year and are taught by the Counseling Center staff. Another one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is also offered for the development of assertiveness and effective interpersonal skills.

Counseling relationships are considered confidential as delineated by the APA Code of Ethics and Kentucky state law. An appointment with a counselor is made by calling (859) 622-1303 or dropping by the Center. In case of a psychological emergency after hours, call 1-800-928-8000. Any currently enrolled student is eligible for counseling services at no additional cost. The Counseling Center web site is [www.counseling.eku.edu](http://www.counseling.eku.edu). The Counseling Center is located in the Student Services Building, Room 571.

### **First Year Programs**

Overall satisfaction with college life is an important factor in retention. Recognizing this, the "first year programs" concept represents a deliberate attempt to ensure that first year students are welcomed, celebrated and supported through the use of peer mentors, orientation classes and increased interaction with faculty outside the classroom.

The three-phase first year experience series allows students and families to gain valuable information about themselves, the campus and the Eastern Kentucky University community. This three-phase series includes Summer Orientation, New Student Days and an orientation class. The Department of First Year Programs seeks to meet the needs of new students both inside and outside of the classroom. Our goal is to create comprehensive programs that will empower first year students to persist to graduation. In addition to transition programs, the Department of First Year Programs also coordinates tutoring efforts on campus. For more information about hours and location of labs please call (859) 622-1682.

### **Living Accommodations**

University Housing is dedicated to providing a variety of housing options that best meet the needs of all EKU students. The residence halls are living-learning environments dedicated to best supporting students' ability to live, learn, work, and play while attending EKU. Higher education research indicates that students living on campus acclimate to college at a quicker rate, are more involved with organizations, and perhaps more importantly, achieve well academically.

All single, full-time undergraduate students under the age of 21 prior to the first day of classes, or having fewer than 60 credit hours are required to live in University residence hall facilities. Exception is made for students residing with their parent(s) at their parent's principle residence within 50 miles of the Richmond campus. Students requesting commuter status must complete a Commuter Application through University Housing.

The first step to apply for a residence hall room is to be admitted to the University. Second, a housing application/contract must be completed and returned with deposit to: Office of Financial Affairs, Division of Billings and Collections, CPO 60, Student Services Building 210, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, KY 40475-3160.

Students must occupy their assigned room by 5:00 p.m. on the day prior to the first day of classes, or the assigned space will be released and the deposit forfeited. Exceptions are made for students who notify the University Housing Office of their intention to occupy their space as a late arrival. Payment for the assigned space is paid by semester and is due and payable in compliance with the billing policy.

### **The Mediation Center**

The University Mediation Center offers free services designed to assist students in resolving conflicts. Two services are offered by the Mediation Center: Mediations and Conflict Management Workshops. These services are available to any student registered for classes at Eastern Kentucky University. All services are confidential.

To schedule mediation or a workshop, call the Mediation Center at (859) 622-1320 or visit the office in the Student Services Building, Room 519.

### **Multicultural Student Affairs**

The Office of Multicultural Student Affairs seeks to bring issues of cultural identity to the foreground of campus conversation through programs and services. As a department within the Division of Student Affairs, this office serves all students as they question personal and collective notions of race, ethnicity, and culture. Multicultural Student Affairs hopes to enhance the student experience by encouraging the utilization of campus resources, participation in campus life, and understanding cultural differences. Multicultural Student Affairs is located in the Powell Building, Room 136. The office phone number is (859) 622-4373.

### **Student Events and Activities**

EKU students have the opportunity to participate in a variety of leisure time activities. The Student Activities Council arranges a variety of social activities for the benefit of Eastern Kentucky University students. First Weekend, Homecoming, Springfest, and the President's Ball are just a few events sponsored by the Student Activities Council and the Office of Student Life. These events may include activities such as movies, dances, concerts, comedians, and game shows. In addition, Thursday Alternative Getaways are offered as substance free social options for students to enjoy on Thursday nights.

### **Student Health Services**

The Student Health Services (SHS) offers primary medical care to students of the University. Services are available by appointment from 8:00 a.m. to 5:00 p.m., Monday, Wednesday, and Thursday, 8:00 a.m. to 6:00 p.m. on Tuesday, and 8:00 a.m. to 4:30 p.m. on Friday. Health care includes some laboratory services connected with the care provided. X-rays are obtained at nearby Pattie A. Clay Hospital where customary fees are charged to the patient. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital, or if possible, to their family physicians for hospitalizations in their home community.

All new students must fill out a medical history form at the time of the first SHS visit. This becomes part of the student's health records which are kept confidential at the SHS and are necessary to provide the proper medical care for students seen at the facility.

### **Student Identification Card**

When a first-time student registers at Eastern Kentucky University, the student is given a combination identification-activity card bearing the student's photograph and student identification number. Students must carry their I.D. cards at all times and produce them when requested by members of the University staff. The cards are used when withdrawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I.D. cards. A fee will be charged for replacement if an I.D. card is lost. The loss of a card must be reported immediately to the Office of Student Life, Powell Student Center, Room 128.

### **Student Involvement**

In addition to its academic programs, the University provides many services and activities that promote mental/physical health and social/academic well being. The provision of a meaningful life experience for the student is the goal of the faculty and staff.

Student organizations form an intrinsic part of an educational experience that provides academic, social, and religious familiarity to all Eastern Kentucky University students. Our student organizations offer varied activities to encompass the interests of all EKU students. Our 170+ student organizations fall into the following categories: activity/interest, club sports, departmental, honor, religious, residence halls, service, social fraternities and social sororities.

### **Student Leadership**

The Office of Student Life provides numerous activities to EKU students, which are known for their fun and entertainment! However, the Office of Student Life also provides unique educational sessions to help you inside and outside the classroom. Look for upcoming leadership sessions or contact the Office of Student Life, 128 Powell Student Center, for further information.

### **Volunteerism**

The Coordinator for Volunteerism is responsible for planning several University wide service projects as well as serving as liaison to other community service events throughout Madison County. The Coordinator for Volunteerism currently serves as the Director of Madison County's Promise, an organization that allows EKU students ample volunteer and service-learning opportunities. Students may sign up on the volunteerism list-serv to learn about opportunities to serve throughout the Richmond and surrounding communities. Call (859) 622-2052 to sign up. (Website coming soon!)

## **STUDENT SERVICES**

### **The Alumni Association**

The Eastern Kentucky University National Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the National Alumni Association. Those graduates who make annual gifts are classified as "active," while other members are carried as "inactive." Associate memberships for non-degree individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, and Alumni Day, held the last Saturday in April, brings back the 70-, 60-, 50-, 40-, 30-, 25-, 20- and 10-year classes and annually honors an Outstanding Alumnus and inducts alumni into the Hall of Distinguished Alumni.



Other regular Association activities and programs include maintaining alumni chapters in four states and Washington, D.C.; offering alumni tours at reduced fares; publishing the EKU Today three times per year; arranging receptions or similar activities in conjunction with special University events; and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

### **Computer and Related Resources**

ITDS (Information Technology and Delivery Services) provides technology laboratories for student use in numerous campus locations including a small cluster in each residence hall. Over 400 state-of-the-art computers are available for student use, many 24 hours per day. All locations provide laser printing, some in color. Assistance with computer-related projects and assignments is available in our staffed labs - Crabbe Library, Combs Classroom Building, and the Student Services Building.

ITDS Helpdesk provides information and solutions to computer-related problems. Please call (859) 622-3000 or come to Combs Classroom Building Room 207 to contact a Consultant.

The EKU Computer Store, conveniently located in the Student Services Building, sells technology-related equipment (computers, printers, cameras, and accessories) and software at academic discount pricing. The store also provides a print station for digital photography, a fax machine, and CD duplication. It is open Monday through Friday from 8:30 a.m. - 4:30 p.m.

Printing Services offers assistance to students and student organizations in designing and reproducing their projects with a professional appearance. Same-day service for most projects (e.g., coil and spiral binding, multiple page copying, color copying, laminating, and 3-hole punching) is available at a reasonable cost. Projects can be processed from most desktop publishing and word processing software.

EKUDirect is an ITDS service that provides internet access to student records and many University business functions such as registration, bill payment, advising information, and automobile registration. Through EKUDirect, students can do business with the University anytime from anywhere.

ITDS provides e-mail and web space for personal web sites to all students. Information on how to activate your student email is available on EKU's web page <http://www.eku.edu>. Information is also available via the web about how to change/reset your password.

ITDS provides high speed internet access in all of the residence halls and free computer anti-virus software. For machines to be used in the residential halls, ITDS recommends the following:

#### **Required Equipment**

10 or 10/100 Ethernet card  
Network cable (RJ45 CAT5)

#### **Minimum Computer Requirements**

##### *Intel Compatible (Desktop/Laptop)*

400 MHz Processor (Pentium, Celeron, AMD)  
64 MB RAM (Windows 98SE or Me)  
128MB RAM (Windows 2000 or XP)

500 MB free disk space  
Windows 98SE/Me/2000/XP  
CD-ROM and/or 3.5" floppy  
Up-to-date virus software (highly recommended)\*

##### *Macintosh (Desktop/Laptop)*

Power PC or better Processor  
System 7.6.1 or higher  
32 MB RAM  
500 MB free disk space  
CD-ROM and/or 3.5" floppy  
Up-to-date virus software (highly recommended)\*

\*May be downloaded free from EKU once connected to ResNet.

In support of student learning, seven computer classroom laboratories maintained by ITDS are available for reservation by instructors to enhance the classroom experience of their students. ITDS is responsible for the BlackBoard Online Learning System used by many of our instructors to enhance the student learning experience with web-related teaching, messaging, and testing.

### **Entitlements**

The **VETERANS PROGRAM** at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

**VETERANS ADMINISTRATION BENEFITS.** War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the EKU Office of Veterans Affairs. For information concerning tutorial assistance or refresher courses, contact the Office of Veterans Affairs at Eastern Kentucky University in the Student Services Building, Room 251.

**VOCATIONAL REHABILITATION.** This program offers assistance for students with physical disabilities of various kinds. The telephone number is (502) 564-7172 or toll free 1-800-372-7172. For more information about eligibility criteria call the Department of Voc Rehab at (502) 564-7172.

### **Grants**

Grants are considered gift aid and do not usually have to be repaid.

The **FEDERAL PELL GRANT** is the largest grant program. The maximum award is \$4,050 for 2003-2004. The minimum grant is \$400.

The **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)** is awarded to students who demonstrate exceptional need and priority is given to Federal Pell Grant recipients. The average Federal SEOG award at Eastern Kentucky University is usually \$800 for the academic year.

The **COLLEGE ACCESS PROGRAM** grant is awarded to eligible Kentucky residents. The amount of this grant is determined by the Kentucky Higher Education Assistance Authority (KHEAA). It varies each year. It is given to students enrolled for a minimum of six hours. It is awarded for \$53 per credit hour. Full-time students will receive \$700 per semester, \$1,400 for the 2003-2004 academic year.

### **Scholarships**

*Eastern Kentucky University offers a range of academic scholarships designed to reward scholastic achievement and enhance the University Community through the attraction of academically talented students.*

Unless noted otherwise in the specific description, each of these scholarships are awarded for eight consecutive regular semesters of full-time undergraduate work, provided a satisfactory grade point average is maintained.

In addition to the general scholarship program described below, the University also awards a number of scholarships funded through private funds administered in the Eastern Kentucky University Foundation. Students need to complete the scholarship application form to be considered for all scholarships the University awards ([www.scholarships.eku.edu](http://www.scholarships.eku.edu)).

Some discipline specific scholarships are awarded based on selection processes within the appropriate academic department. If the department housing the major indicated on the application form awards such scholarships, you will receive information from that department.

In addition to completing the scholarship application, it is also necessary to apply for admission to the University and, if appropriate, for financial aid. All necessary forms are available through the Office of Admissions. If you have a question, or need admission forms, please call 1-800-465-9191, or send an email to [admissions@eku.edu](mailto:admissions@eku.edu). Scholarship applications are available on-line at [www.scholarships.eku.edu](http://www.scholarships.eku.edu).

Except for the book award to participants in the Honors Program, the University does not make multiple awards of the described scholarships. Recipients will receive the highest award for which they apply, are eligible and selected.

The following information is applicable to freshmen enrolling at Eastern Kentucky University for the first-time in the Fall semester, 2004.

### **COMMONWEALTH SCHOLAR AWARD**

#### **Recipients:**

Awarded automatically to scholarship applicants that are National Merit Finalists and National Merit Scholars.

#### **Benefits and Conditions:**

Provides a full scholarship (in-state tuition, activity fee, double occupancy residence hall room, 19-meal per week board plan, and books-on-loan). Requires maintenance of a 3.0 grade point average to retain and student must be enrolled in a minimum of 12 credit hours each semester.

### **EKU EXCELLENCE AWARD**

#### **Recipients:**

Awarded automatically to scholarship applicants that are National Merit Semifinalists and students with an ACT Composite score of 31 or higher and a minimum high school grade point average of 3.75.

#### **Benefits and Conditions:**

Provides an award equivalent to in-state tuition, activity fee, double occupancy residence hall room, and 10-meal per week board plan. Requires maintenance of a 3.0 grade point average and full-time status for retention.

### **EKU FOUNDERS SCHOLARSHIP**

#### **Recipients:**

Awarded automatically to persons with ACT composite scores of 29 or 30 and a minimum high school grade point average of 3.75 and completed the scholarship application process.

#### **Benefits and Conditions:**

Provides equivalent of in-state tuition and student activity fee plus double occupancy residence hall room. Requires maintenance of a 3.0 grade point average and full-time status to retain.

### **REGENTS SCHOLARSHIP**

#### **Recipients:**

Requires a minimum grade point average of 3.75 and a minimum ACT composite of 25. Students who meet these criteria and were also participants in the Governor's Scholars Program will receive this scholarship automatically. Governor's Scholars Program participants will be sent award letters automatically. If the acceptance response indicates an eligibility for a higher award as described in this section, the scholarship will be upgraded. Students who are not automatic qualifiers but who meet the grade point average and ACT composite minimums will be considered for awards made on a competitive basis.

#### **Benefits and Conditions:**

Provides equivalent of in-state tuition and student activity fee. Requires maintenance of a 3.0 grade point average and full-time status for retention.

### **PRESIDENTIAL SCHOLARSHIP**

#### **Recipients:**

Awarded automatically to high school valedictorians and to incoming freshmen accepted into the Honors Program who have not been offered another scholarship. Applicants who qualify for Regents Scholarship consideration on a competitive basis, but do not receive a Regents Scholarship will be offered this award. It is also awarded on a competitive basis to other high school graduates based on rank in class, grade point average, and ACT composite score. It is also awarded on a competitive basis to transfer students from junior and community colleges who make application through the Office of Scholarships. Awards to transfer students are for four semesters.

#### **Benefits and Conditions:**

Provides one-half of the equivalent of in-state tuition and student activity fee. Requires maintenance of a 2.5 grade point average to retain.

**J. W. THURMAN ALUMNI SCHOLARSHIP**

Applicants must be a dependent child of an EKU graduate. Applicants must score at least an 18 composite on the ACT exam and have a minimum high school grade point average of 3.0. Applicants may use the University's standard scholarship form and check the block indicating the application is for the J. W. Thurman Alumni Scholarship, and mail the application to: Eastern Kentucky University National Alumni Association, Richards Alumni House, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, KY 40475-3102.

**HONORS PROGRAM AWARD**

Students who are accepted into the University Honors Program will receive books-on-loan for up to eight consecutive semesters, provided they remain in the Honors Program.

**DR. RODNEY GROSS SCHOLARSHIP**

The Dr. Rodney Gross Scholarship provides financial assistance to high-achieving black U.S. citizens who are residents of the Commonwealth of Kentucky as defined by the Council on Higher Education's residency-for-fees policy. Applications may be received by contacting the Office of Scholarships by phone (859) 622-8032 or via the web at [www.scholarships.eku.edu](http://www.scholarships.eku.edu).

**EKU RETENTION SCHOLARSHIP  
(Contingent on outside funding)**

Students completing their freshman year with a 2.5 grade point average or better and returning for the following fall term may apply for the retention scholarship. If applicants have been enrolled in developmental courses they must have earned at least a grade of a "C" or better and be degree seeking students. This non-renewable scholarship provides up to \$1000.00 for an academic year toward tuition and fees.

**Student Loans**

The **FEDERAL PERKINS LOAN** is a 5 percent simple interest loan awarded to exceptionally needy students. This loan is made to undergraduates, as well as post-baccalaureate and graduate students. Repayment begins nine months after the student ceases to be enrolled on at least a half time basis. There are certain occupations which allow a student to cancel a percentage of the money they borrow from this program. Contact the Loan Accounts office in the Student Services Building (SSB), Room 216, for more information regarding the cancellation and deferment options. All first time Federal Perkins Loan borrowers must be enrolled for thirty (30) days before their first Perkins disbursement can be released.

The **FEDERAL SUBSIDIZED STAFFORD LOAN PROGRAM** is a need based program available to students who are enrolled at least half time. This loan is for undergraduate, graduate and post-baccalaureate students. The interest rate is variable. It is set each year based on the 91 day Treasury bill plus 2.5 percent. Contact the Division of Student Financial Assistance after July 1 for the current year interest rate.

The Federal Government pays the interest while the student is enrolled at least half time. A student has six months after ceasing to be enrolled as a half time student before repayment begins.

All first time Federal Stafford Loan borrowers (subsidized as well as unsubsidized) must complete entrance counseling before their loan applications can be certified. Counseling can be completed on the Web. Go to [www.finaid.eku.edu](http://www.finaid.eku.edu) and click on the KHEAA Entrance Loan Counseling link.

It is important for you to remember that beginning July 1, 1999, the University has three (3) business days to disburse all electronic Federal Stafford Loan proceeds. Any funds NOT disbursed within that time frame HAVE to be returned to your lender. It is the student's responsibility to know when the three (3) days have elapsed.

The **FEDERAL UNSUBSIDIZED STAFFORD LOAN PROGRAM** is not based on need. It has the same interest rate as the Federal Subsidized Stafford Loan Program, but the student is responsible for paying the interest on this loan.

The unsubsidized and the subsidized Stafford cannot exceed the maximum Stafford Loan amount allowable by a student's classification. For example:

First Year Students - \$2,625 is the annual loan limit for the unsubsidized and subsidized Stafford Loan program. The U.S. Department of Education requires the school to hold all first time Stafford Loan disbursements for 30 days after the beginning of the semester.

Second Year Students - \$3,500 is the annual loan limit a student can borrow.

**NOTE:** This is the maximum amount (\$3,500) that a student working on an Associate Degree is eligible to receive.

Third and Fourth Year Students - \$5,500 is the annual loan limit.

Graduate Students - \$8,500 is the annual loan limit.

Independent students may be eligible for an **ADDITIONAL UNSUBSIDIZED FEDERAL STAFFORD LOAN**. An independent student could borrow up to:

Freshman/sophomore maximum loan limit - \$4,000

Junior/senior maximum loan limit - \$5,000

Graduate student maximum loan limit - \$10,000

Keep in mind that the unsubsidized Stafford and the subsidized Stafford Loans combined cannot exceed the student's cost of education minus all other student financial assistance.

**\*Each annual loan limit is for one award year (12 month period; i.e., fall, spring, and summer).**

To apply for a Federal Subsidized or Unsubsidized Stafford Loan, all students must complete a Free Application for Federal Student Aid. After the student is evaluated for all federal programs, his/her eligibility for the Stafford Loan program is determined. The Division of Student Financial Assistance will certify the loan and electronically submit the information to Kentucky Higher Education Assistance Authority (KHEAA). If the student has a signed Master Promissory Note (MPN) on file at KHEAA, the loan funds will be sent to Eastern Kentucky University on the specified disbursement dates. If the student does not have a signed MPN on file at KHEAA, an MPN will be mailed to the student from KHEAA (with instructions).

Post-Baccalaureate Students - Students returning to work on a second undergraduate degree are not automatically eligible for the senior annual loan limit of \$5,500. Each student must submit



documentation which indicates how many hours that student has toward the second degree.

The **FEDERAL PLUS LOAN** program enables parents to borrow the cost of education minus other aid for their student who is enrolled for at least 6 hours. This is not a need based loan. As long as the parent who is applying for the loan has a good credit history, the loan is usually approved. The interest rate is variable, tied to the 52 week Treasury bill plus 3.10 percent. Interest begins to accrue 60 days after the parent borrower receives the loan check. If the parent has a signed Master Promissory Note (MPN) on file at KHEAA, the loan funds will be sent to ECU on the specified disbursement dates. If the parent does not have a signed MPN on file at KHEAA, an MPN will be mailed to the parent from KHEAA (with instructions).

The **STUDENT AID SOCIETY** (Emergency Loan) program is designed to provide emergency short-term loans to students. It must be repaid. Students may borrow a small amount of money on a personal note at a legal rate of interest for a one month period. Money is made available through contributions of the University, alumni, private organizations and many individual friends of the University.

You must be enrolled as a full time student, have a 2.0 ("C") overall grade point average and a good credit rating. All students are eligible to apply for these short-term loans regardless if they are receiving other forms of financial aid. An application form obtained from the Loan Accounts Office in the Student Services Building, room 216 must be completed. Allow at least two days for processing.

The loan must usually be repaid within four weeks and you are charged an interest rate of 6 percent or \$2 (whichever is greater). Students who have delinquent loans will have their grades sealed in the Registrar and will not be allowed to register for the next semester. Delinquent loans will be collected through a collection agency. Any additional expenses incurred in the collection of the note will be added to the student's repayment.

### **Office of Services for Individuals with Disabilities**

The Office of Services for Individuals with Disabilities assists students, faculty and staff with disabilities by coordinating campus and program accessibility as well as providing support in the attainment of educational and work goals. The Assistant Director and Coordinator of the Disabilities Office, is located in the Student Services Building, room 361. Appointments are made by calling (859) 622-2933 (V/TDD) or coming to SSB, 361.

Individuals seeking services are required to provide the appropriate Coordinators with current disability documentation. Guidelines for documenting a disability are available at the office and on the office web site, <http://www.disabled.eku.edu>. Services are determined on an individual basis and may include but are not limited to: notetakers, books on tape, use of assistive technology, equipment loan, building accessibility information, academic/test accommodations, handicapped parking and individual appeal cases.

Applications for **Project Success**, a comprehensive program for students with specific learning disabilities are located in SSB, room 361. Appointments are made by calling (859) 622-2933 (V/TDD) or coming to SSB, room 361.

### **Office of Deaf and Hard of Hearing Services**

The Office of Deaf and Hard of Hearing Services enables students who are deaf and hard of hearing to achieve their educational goals, both academic and career. The office provides and coordinates accessible services including but not limited to: notetakers, interpreters, test accommodations, use of assistive listening technology and equipment loan which afford individuals equal opportunity to attain their goals. Current disability documentation is required. Services are determined on an individual basis. A comprehensive list of services may be found on the web at <http://www.disabled.eku.edu/terpserve/>. The Interpreter Coordinator is located in Case Annex, room 207. Appointments are made by calling (859) 622-2937 (V/TDD) or coming to Case Annex, room 207.

A Transition Specialist provides services geared towards assisting deaf/hard of hearing students in achieving college success. The specialist is located in Case Annex, room 202. Appointments are made by calling (859) 622-8456 (V/TDD) or stopping by the office.

### **ADA/504 Coordinator**

The Director/ADA/504 Coordinator is located at the Turley House, room 101. Appointments with the Coordinator are made by calling (859) 622-1500 (V/TDD). Services for Individuals with Disabilities are made available in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Current students, faculty, staff and others interested in disability issues are invited to attend the ECU ADA Awareness and Accessibility Committee. A schedule of meetings and committee notes are available on line at <http://access.eku.edu>.

### **Speech-Language-Hearing Clinic**

The Communication Disorders Program in the Department of Special Education offers services to students, faculty, staff, and members of the community at the Speech-Language-Hearing Clinic in Wallace 278.

Diagnostic and clinical treatment services provided by the Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, and voice disorders including laryngectomy. Also, assessment and treatment of speech and language problems resulting from stroke or head injury or related to learning disability, mental retardation, cerebral palsy, cleft palate, autism spectrum disorder, and emotional/behavioral disorder.
3. Identification of hearing loss, differential diagnosis for site of lesion, and aural rehabilitation services including auditory training, speech reading, and adjustment to the use of hearing aids.
4. Speech and language services to improve the use of Standard English, accent reduction, and for those speaking English as a second language.

Anyone interested in the above services should contact the Clinic secretary at (859) 622-4444, Wallace 278, or visit the Clinic website: [www.education.eku.edu/Sed/CD/clinic.htm](http://www.education.eku.edu/Sed/CD/clinic.htm).



**Student Automobiles**

In order to facilitate parking for all students, faculty, and staff, Eastern Kentucky University requires the registration of motor vehicles utilizing campus parking facilities. Vehicle registration information can be obtained by contacting the Parking Office

(859) 622-1063 or by logging on [www.publicsafety.eku.edu](http://www.publicsafety.eku.edu).

During the registration period, prior to the first day of classes, students registering for classes may park in any legal, non-reserved parking space in all areas, except employee parking lots (Zone E) which are marked by yellow signs.

After the commencement of classes, residential hall lots (Zone B) which are marked by blue signs, are restricted to residence hall permits 24 hours per day, seven days a week. Enforcement of employee and commuter parking zone regulations begins at 2:00 a.m. Monday-Friday. Commuter permits are also valid from 4:30 p.m. to 7:00 p.m. in employee (Zone E) parking lots. The Case Lot, Jones Lot, and a section of the Martin Lot are exceptions to this rule and are reserved for employees only until 9:00 p.m. After 7:00 p.m., parking zone restrictions are not enforced in non-residence hall lots.

Visitors may obtain temporary permits from the Parking Office located in 400 Brockton, Monday-Friday 7:30 a.m. to 5:00 p.m. Visitor permits are also available from the Division of Public Safety located in the Brewer Building from 5:00 p.m. to 7:30 a.m., seven days a week.

**Student Publications**

Eastern Kentucky University provides a variety of laboratory experiences through student publications. The Student Publications Board and the Eastern Progress Advisory Board have been established to provide appropriate institutional and professional involvement in these activities. Academic and support units coordinate the institutional support of these publications, but do not govern the content. The courts have consistently held that where a tradition of student decision making exists in student publications, those publications are afforded Constitutional First Amendment protection as other publications. Concomitant with those rights, go certain responsibilities, which also accrue to the student publications. Accordingly, the responsibility for the content of the publications is that of the student editors and writers, and not Eastern Kentucky University or its Board of Regents.

**The Eastern Progress**, a 10,000 circulation weekly newspaper, is the official student publication of the University and all students are encouraged to take advantage of the journalism and advertising training it offers. The Progress has consistently been rated as an All American Newspaper by Associated Collegiate Press and a Medalist paper by Columbia Scholastic Press Association. Since 1987, the Progress has won 19 national awards, including four national Pacemakers and three Gold Crown awards. It was recognized as the Best All-Around Campus Newspaper by the Society of Professional Journalists in 1997 and 1998. Reach the Progress on-line at <http://www.easternprogress.com>.

**Aurora** is a magazine of student writings published by its student staff to encourage interest in literary activity. Aurora accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Editions are published in the fall (online by the ENG 420 class) and spring (hard copy). Cash prizes are awarded for the best works at the time of the spring publication.

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# SECTION FOUR

## General Academic Information

## ACADEMIC PROCEDURES AND REGULATIONS

Students must become familiar with all regulations and procedures required in their program. In no case should they expect waiver or exception to published program requirements because they were unaware of the regulation or because an advisor or other authority did not directly present the information. All students should become familiar with the General Academic Information section of the *Catalog* and the specific college and departmental program requirements.

### Academic Honesty

The University faculty have the right to expect students to adhere to the principles of academic honesty.

Therefore, academic dishonesty will not be tolerated. Depending upon the seriousness of the infraction, students found guilty of plagiarizing or cheating will be sanctioned in any of several ways. These normally range from receiving a failing grade on the assignment to being assigned a failing grade in the course; however, if the case is assigned to the Student Disciplinary Council, stronger sanctions are possible.

For a full description of what is considered plagiarizing and cheating, refer to the section entitled Academic Honesty Policy in the *University Handbook for Students*.

### Colonel's Advising and Registration Equals Success (CARES Report)

CARES reports are available to students and advisors on-line via EKU Direct (student web and faculty web.) It shows the requirements for the student's program and how completed and in-progress courses apply to that program. Students should contact their academic advisor if they have questions concerning degree requirements or the CARES report.

### Catalog

For general education requirements, students will be governed by the Catalog in use at the time they enter the University. Their major program requirements will be those in effect at the time they declare their major; however, if those requirements change, students may elect to complete the later requirements. Students who stop out for more than one semester but who stay in the same major upon returning will meet the major requirements in place at the time they reenroll.

The above refers only to curricular requirements. With respect to policy requirements, all students are governed by current University policies that have been approved by appropriate University committees.

### Change/Declaration of Major or Minor

Undergraduate students who wish to change their major or minor should access the Change of Major/Minor request form at [www.advising.eku.edu/changemajor](http://www.advising.eku.edu/changemajor). Students should submit the completed form to the Office of Academic Advising during designated change of major seasons each semester. When students change their major, they will be assigned a new advisor for the declared major.

### Class Attendance

The University expects all students to attend class regularly. Students are responsible for course work covered during all class periods, including the first class meeting. Each instructor will record absences and deal with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, students must be familiar with the policy printed on the course syllabus.

If a student presents the instructor with an adequate and documented reason for an absence, the instructor normally will give the student an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family, or participation in an approved University activity. It is the student's responsibility to initiate the request to make up class work missed.

### Classification of Students

A student's classification is determined by the number of semester hours earned, as follows:

Freshman	—	0 - 29 semester hours earned
Sophomore	—	30 - 59 semester hours earned
Junior	—	60 - 89 semester hours earned
Senior	—	90 or more semester hours earned

### Correspondence Credit

Students with a 2.0 grade point average (GPA) or higher may earn up to 32 semester hours of credit through correspondence courses for a baccalaureate degree and 16 semester hours for an associate degree. Students majoring in the College of Education are required to have an overall GPA of 3.0 to be considered for enrollment in a correspondence course. Students who wish to enroll in a correspondence course should confer with the Office of Continuing Education and Outreach and read the *Correspondence Course Bulletin* for policies and restrictions.

### Credits Accepted

Eastern Kentucky University accepts credits transferred from regionally accredited postsecondary institutions and credits earned by examination, and it awards credits for certain types of military experiences. International transfer credits from institutions with which Eastern Kentucky University does not have an articulation or exchange agreement are recorded as free elective credits at the lower division level after they have been evaluated by an outside accrediting agency (i.e. World Education Services or Silney and Associates). Students may present supporting documents from transfer courses recorded as free electives to appeal to department chairpersons for departmental credit.

### Credit-By-Examination

To demonstrate competence attained through educational experiences other than university instruction, students may attempt to earn academic credit by examination in certain undergraduate courses. Conditions which apply to credit-by-examination are:

1. Only admitted students will be awarded credit-by-examination.

2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon the overall grade point average (GPA).
3. A student may not earn credit-by-examination in a course the student has failed.
4. A student may attempt to earn credit-by-examination in a course only once.
5. A student may not take a course-specific College Level Examination Program (CLEP®) or departmental examination for credit for a course in an area in which advanced course work has already been completed, as determined by the department responsible for the discipline under consideration.
6. Special fees are assessed for credit-by-examination and must be paid prior to taking an examination.
7. Students seeking AP or IB credit must have information sent to EKU for recording of test information within the first 30 hours of EKU enrollment.
8. Incoming freshmen attempting to demonstrate competence in courses through CLEP® or departmental examinations must have a recommendation from the academic advisor and approval from the departmental chair in which credit is to be awarded in order for credit to be recorded. Upon demonstration of competency, credit will be awarded after the last day to add a full-semester course.
9. EKU students with academic history or students transferring to EKU must have an overall GPA of 2.0, recommendation of student's academic advisor, approval from the department chair in which credit is to be awarded, and less than 45 earned credit hours to attempt credit-by-examination for courses at the 100-299 level.
10. EKU students with more than 45 credit hours must have an overall GPA of 2.0 and the approval of the Associate Vice President for Enrollment Management to attempt credit-by-examination of courses at the 100-299 level.
11. EKU students with academic history or students transferring to EKU must have an overall GPA of 2.0, recommendation of the student's academic advisor, and approval of the department awarding credit in order to attempt credit-by-examination for courses at the 300 level or above.

Eastern Kentucky University credit-by-examination may be earned through any of the following methods.

#### 1. College Level Examination Program (CLEP®)

College-Level Examination Program (CLEP®) tests are available for various subject areas. Eastern Kentucky University accepts credit for these examinations according to the guidelines on the website [www.testing.uky.edu](http://www.testing.uky.edu). In order to receive credit, a student must complete the appropriate Credit-by-Examination form available from the Office of Academic Testing, SSB Room 330. These tests recognize a student's comprehensive subject knowledge acquired through independent or prior study. Information about the College-Level Examination Program (CLEP®) can be found at <http://www.collegeboard.com/clep>. The Office of Academic Testing administers CLEP® tests for currently enrolled Eastern Kentucky University students. Please contact (859) 622-1281 for information.

#### 2. Advanced Placement Program (APP)

The Advanced Placement Program consists of courses of study and special examinations open to students in high school. The courses are presented during the student's junior and senior years; the examinations are administered during the month of May

each year. The chart below indicates the manner in which EKU accepts Advanced Placement Program examinations as credit. For additional information on credit-by-exam courses, please go to [www.testing.uky.edu](http://www.testing.uky.edu). Information about the Advanced Placement Program can be found at [www.collegeboard.com/ap](http://www.collegeboard.com/ap).

Test Score					
Code	APP Test	Minimum Score	Credit Hours	Course	
APAH	Art History	3	3	ART 200	
APB	Biology	3	4	BIO 121	
APMA	Calculus AB	3	4	MAT 124	
APMB	Calculus BC	3	8	MAT 124, 224	
APC	Chemistry	3	4	CHE 111	
APC	Chemistry	4	7	CHE 111, 112	
APCA	Computer Science A	3	3	CSC 104	
APCB	Computer Science AB	3	3	CSC 190	
APME	Economics: Macro	3	3	ECO 231	
APMC	Economics: Micro	3	3	ECO 230	
APEC	English Language and Composition	3	3	ENG 101	
APEL	English Literature and Composition	3	3	ENG 101	
APES	Environmental Science	3	3	NAT 172	
APEH	European History	3	6	HIS 231, 232	
APF	French Language	3	9	FRE 101, 102, 201	
APF	French Language	4	12	FRE 101, 102, 201, 202	
APFL	French Literature	3	3	FRE 310	
APG	German Language	3	9	GER 101, 102, 201	
APG	German Language	4	12	GER 101, 102, 201, 202	
APGC	Government and Politics: Comparative	3	3	POL 211	
APGP	Government and Politics: United States	3	3	POL 101	
APHG	Human Geography	3	3	GEO 220	
APL	Latin: Literature	3	6	LAT 101, 102	
APLV	Latin: Virgil	3	6	LAT 101, 102	
APMT	Music Theory	3	8	MUS 181, 182	
APPB	Physics B	3	3	PHY 101	
APPE	Physics C: Electricity and Magnetism	3	5	PHY 132	
APPM	Physics C: Mechanics	3	5	PHY 131	
APPY	Psychology	3	3	PSY 200	
APS	Spanish Language	3	9	SPA 101, 102, 201	
APS	Spanish Language	4	12	SPA 101, 102, 201, 202	
APSL	Spanish Literature	3	3	SPA 310	
APMS	Statistics	3	3	STA 270	
APD	Studio Art: Drawing	3	3	ART 100	
APDA	Studio Art: 2-D Design	3	3	ART 152	
APDB	Studio Art: 3-D Design	3	3	ART 153	
APH	United States History	3	6	HIS 202, 203	
APWH	World History	3	6	HIS 246, 247	



### 3. International Baccalaureate Credit

The International Baccalaureate Organization's Diploma Programme was created in 1968. It is a demanding pre-university course of study that leads to examinations. It is designed for highly motivated secondary school students aged 16 to 19. The program has earned a reputation for rigorous assessment, much like the Advanced Placement (AP) Program. For information regarding the IB program, please visit the website at [www.ibo.org](http://www.ibo.org).

IB credit is awarded by earning the required score in a specific subject area. To receive credit the student must furnish the Office of Admissions with an official IB transcript issued directly from the International Baccalaureate Organization. Course credit awarded through the IB program will apply toward degree requirements. There will not be a specific letter grade associated with the credit earned through IB course work. A designation of CR (credit) will be awarded, and the grade point average will not be affected. Eastern Kentucky University awards credit for IB course work in the following manner:

<u>IB Subject</u>	<u>Level</u>	<u>Minimum Score</u>	<u>Credit Hours</u>	<u>Course</u>
Biology	SL	5	3	BIO 100
Biology	HL	4	4	BIO 121
Chemistry	SL	5	4	CHE 101
Chemistry	HL	4	3	CHE 111
English	SL/HL	4	3	ENG 101
French	SL	5	6	FRE 101, 102
French	HL	5	12	FRE 101, 102, 201, 202
Geography	SL/HL	4	3	GEO 101
German	SL	5	6	GER 101, 102
German	HL	4	12	GER 101, 102, 201, 202
History	SL	4	6	HIS 202, 203
History	HL	4	6	HIS 246, 247
Information Technology	SL	4	3	CIS 212
Math Studies	SL	5	3	MAT 105
Math Methods	SL	5	3	MAT 107
Mathematics	HL	5	4	MAT 124
Physics	SL/HL	5	3	PHY 101
Psychology	SL/HL	4	3	PSY 200
Social Anthropology	SL/HL	4	3	ANT 120
Spanish	SL	5	6	SPA 101, 102
Spanish	HL	5	12	SPA 101, 102, 201, 202

### 4. Departmental Examinations

A number of academic departments at Eastern Kentucky University have developed their own examinations for credit as an extension of the CLEP® program. These examinations are similar in nature to the CLEP® exams. Enrolled Eastern Kentucky University students interested in attempting to earn credit through departmental examinations should contact the Academic Testing Office, SSB 330. For information on the exams that are available for challenge, costs, and procedures for registering call (859) 622-1281 or visit [www.testing.eku.edu](http://www.testing.eku.edu).

### Curriculum Guides

Curriculum guides for each program can be found either by accessing the department web site or by going to the department office. Completion of the program will vary according to student status (i.e. transfer students, developmental students) and student load each semester.

Colleges will make available to students through appropriate advising any additional non-curricular requirements that apply to the specified major.

### Dean's Award

As a further recognition of academic excellence, the University presents the Dean's Award to students who have achieved the Dean's List three times. Students receiving the Dean's Award are presented with a recognition pin by the appropriate academic dean.

### Dean's List

The Dean's List is one of several ways in which the University recognizes students who achieve academic excellence. The Dean's List is published after each regular semester. Eligibility requirements for the Dean's List are as follows:

<u>Hours Attempted with Regular Grading</u>	<u>Minimum GPA</u>
12	3.75
13	3.65
14 or more	3.50

Students attempting fewer than 12 semester hours under the regular grading system are not eligible for the Dean's List.

Courses below the 100 level will not be counted in determining eligibility for the Dean's List.

### Developmental Education Description, Requirements, and Policies

The developmental education program at Eastern Kentucky University helps students achieve academic success by developing or enhancing skill level proficiencies in the areas of reading, writing, and mathematics needed for success in college-level courses. At Eastern Kentucky University, all students must demonstrate basic skill proficiencies in the areas of reading, writing, and mathematics as determined by ACT, SAT, and placement test scores. Since these proficiencies are determined by the ACT or SAT tests, all students are responsible for having ACT scores and subscores on file at the University. A student whose ACT subscore is less than 18 in a basic skill area is considered developmental for that area. Students with SAT total scores less than 870 are considered developmental in all three areas. In the case of transfer students, the University considers course work at the previous institution. Before confronting a rigorous academic program, students identified through testing as needing additional help in these basic skill areas are placed in developmental courses designed to improve their skills. Placement in and successful completion of these courses is required of students who do not demonstrate proficiency with ACT, SAT, or placement test scores. Listed below are developmental courses offered at Eastern Kentucky University. Please see Section Six of this *Catalog* for descriptions of these courses.

ENG 090 (Basic Writing)  
 ENG 095 (Developmental Composition)  
 ENR 090 (Developmental Reading I)  
 ENR 095 (Developmental Reading II)  
 MAT 090 (Prealgebra)  
 MAT 095 (Developmental Algebra I)

MAT 098 is the course designated to meet the Kentucky Pre-College Curriculum (PCC) requirement for high school Algebra II. Some students also take MAT 098 to prepare for MAT 107. **MAT 098 is not required of students needing to meet developmental mathematics requirements.**

Each developmental course is a three-hour institutional credit course. The credit hours for courses beginning with a zero course number, like 090, 095, or 098 do not apply toward graduation but do count toward enrollment status for such purposes as financial aid eligibility and full-time student status.

Beginning with the Fall 2003 semester, students transferring to Eastern Kentucky University with an Associate of Arts, Associate of Science, Associate of Applied Sciences, and Associate of Science in Nursing degree, or equivalent, will be considered proficient in the three basic skill areas of English (writing), mathematics, and reading.

### Developmental Enrollment and Completion Requirements

Following are the policies concerning developmental enrollment and completion requirements for degree seeking students:

- 1) All full or part-time students with developmental requirements in two or more areas must take GSO 102 in the first semester of enrollment.
- 2) All full or part-time students with developmental requirements, identified by the ACT and local placement testing, are required to enroll in the specified developmental course(s) during their first and each subsequent semester of enrollment, including summer, at ECU until all developmental requirements are completed.
- 3) Part-time students must enroll in any required developmental course(s) before attempting course work which carries academic credit, other than GSO 102.
- 4) Students with developmental requirements are allowed a maximum of two consecutive terms of University enrollment to successfully complete each required course.
- 5) Students with developmental requirements must complete all required developmental courses by the end of the term in which they attempt their 45<sup>th</sup> credit hour, including developmental hours. Withdrawal from a developmental course counts as one semester of University enrollment toward the attempted completion of developmental requirements.
- 6) Students not completing developmental requirements as outlined above will be developmentally dismissed from the University until the developmental deficiencies are remediated by some alternative means such as taking the appropriate course(s) at another institution or demonstrating proficiency with ACT scores.

### Restrictions with Developmental Requirements

- Students with two or more developmental requirements are enrolled as "Undeclared" majors. The Office of Academic Advising will assist these students in creating linkages to the departments of their intended majors.

- Students with two or more developmental requirements are restricted to 12 hours of University enrollment, unless otherwise specified by admission status.
- Students with developmental requirements cannot enroll in MAT 105 (Applications of Mathematics), MAT 106 (Applied Finite Mathematics) or EDF 103 (Introduction to Education) until all developmental requirements are remediated.
- MAT 090 (Prealgebra) is a prerequisite for any course with the following prefixes: AST, BIO, CHE, CIS, CNM, CSC, FOR, GLY, NAT, PHY, SCI, or STA.

### Grades in Developmental Courses

- Developmental course grades are not included in the calculation of GPAs.
- Developmental course grades include the grades A, B, C, and F. There are no course grades of D in developmental courses.

### Double Major

A student pursuing an associate or baccalaureate degree may consider a second major at the same degree level. If the student completes the second major by the time the degree is conferred, it will be recorded on the student's official transcript. Students interested in a double major should contact the Office of Academic Advising or the departments of interest for additional information.

### Dual Degree Agreements Between Eastern Kentucky University and Foreign Exchange Institutions

The following policies and procedures shall govern arrangements to award dual degrees to foreign students who attend Eastern Kentucky University and to ECU students who attend foreign exchange institutions under the auspices of exchange agreements or other agreements:

1. The dual bachelor's degree agreement shall be developed by the deans of participating colleges in cooperation with appropriate representatives from foreign exchange institutions and shall be submitted to the Provost for final approval.
2. The deans and department chairs shall determine exactly which courses need to be taken by the foreign candidates to complete the major in each given field of study, and these courses must be specified. Likewise, they shall determine which courses ECU students must take at the foreign institution to complete their ECU degrees.
3. Dual degree agreements will normally require at least one full academic year in residence at the host institution (25% of the total semester hours) and three years at the home institution (75% of the total semester hours). However, other variations may be approved by the deans of the colleges for their respective colleges.
4. Each institution shall accept all course work from the other either as elective credit or as credit for required courses, based on transfer equivalency evaluations.
5. If dual degrees are awarded concurrently, the program must at a minimum meet SACS, CPE, and the college, departmental, and program requirements for general education, either by taking the general education courses or by transfer credit or by a combination of these means. If the foreign degree is awarded a year or semester in advance, then the candidate will be awarded post-baccalaureate status and the general education requirement will no longer be applicable.

6. A copy of each dual degree agreement approved by the Provost shall be kept on file in the International Education Office, and that office shall also maintain a file of EKU students who are attending foreign exchange institutions under dual degree agreement as well as foreign students who are attending EKU under dual degree agreement.

### **Good Academic Standing**

For the purposes of transferability, a student is considered to be in good academic standing at Eastern Kentucky University when that student maintains a grade point average that permits the student to re-enroll in the institution on a full-time basis and in the duly designated academic program.

### **Grading System**

#### **1. Letter Grades**

Grades, which are represented by letters, are given point values as indicated:

<b><u>Grade</u></b>	<b><u>Meaning</u></b>	<b><u>Grade Points Per Hour</u></b>
A	Excellent	4.00
B	Good	3.00
C	Average	2.00
D	Poor	1.00
F	Failure	0.00
I	Incomplete	0.00
IM	Incomplete Due To Military Activation	0.00
P	Passing	0.00
S	Passing	0.00
U	Failure	0.00
W	Withdraw	0.00
WM	Withdraw Due To Military Activation	0.00
AU	Audit	0.00
CR	Credit Only	0.00
IC	Incomplete Correspondence	0.00
IP	In Progress	0.00
NC	No Credit	0.00
NR	Not Reported	0.00

Throughout this *Catalog*, specific grade requirements are to be interpreted precisely as stated. Thus, if a requirement specifies that a grade of at least "C" is required, a "C-" will not satisfy the requirement. If it is intended that "C-" is to be allowed, "C-" will be listed rather than "C." This applies to all specific grade requirements.

The grade point average (GPA) is based on those courses in which a student earned grades of "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," "D," "D-," "F," or "U." To calculate the GPA, one first figures the number of hours attempted in courses numbered 100 or above that award any of these grades. Next, one obtains the total grade points for each of these courses. This is figured by multiplying the grade points for each grade by the number of credit hours of the course. For example, a student earning a "B" in ENG 101, a three-hour course, would earn nine grade points. Finally, the total grade points are divided by the hours attempted. To meet graduation requirements of at least a 2.0 GPA, students must earn at least twice as many grade points as they have hours attempted.

An instructor shall assign a grade of "I" if the instructor believes that the student has been unable to complete the course on time because of unavoidable conditions. The student must complete such a course by the end of the next full-length (i.e., fall or spring) term. If the student does not do so, the "I" grade becomes an "F."

Instructors may assign a grade of "IP" in certain approved courses in which it might reasonably take students more than a single semester to complete all requirements. A student assigned an "IP" grade for internship, practicum, or self-paced courses must complete requirements within the calendar year after the "IP" is awarded to receive credit. If requirements are not completed, the Registrar will change the "IP" grade to "NC" (NO CREDIT), and the student must register again for the course to receive credit.

#### **2. Pass-Fail ("P" - "F") Option**

The Pass-Fail option encourages students to take courses they might otherwise avoid because of lack of background or concern for lowering their grade point average (GPA). Not all courses are approved to be taken Pass-Fail. The Office of the Registrar can verify whether a course is approved to be taken as Pass-Fail.

Students who have earned 30 or more semester hours of credit with a minimum GPA of 2.0 may choose the Pass-Fail ("P" - "F") option for a total of 15 hours of free electives. These hours must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong exclusively to the category, free electives. Hours passed under the Pass-Fail option will not be used in the computation of GPA's; however, hours failed ("F") will be used.

Students may choose the Pass-Fail option for one course per semester with a maximum of five credit hours per semester. Students may repeat a course using the Pass-Fail option only if the previous taking was also Pass-Fail.

Students may select the "Pass-Fail" option by turning in the "Pass-Fail" form to the Office of the Registrar by the end of the third week of a full semester class.

#### **3. Auditing Courses**

A student may audit a course (i.e., take it without credit) with the permission of the instructor and the dean of the college involved if the course has been approved to be taken Audit. The Office of the Registrar can verify whether a course is approved to be taken as Audit. After registering for the course as usual, students must obtain the "audit a course" form from the Office of the Registrar, obtain the appropriate signatures and return it to that office, SSB 239. Fees are the same as for courses taken for credit. Students enrolled for audit must comply with the attendance policy of the instructor or no course entry will be made on their academic record.

#### **4. Grade Appeals**

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may appeal the grade, in writing, to the department chair. A written appeal must be filed with the chair within 30 days after the beginning of the next semester (exclusive of summer session). Refer to the *University Handbook for Students* for the complete policy concerning grade appeals.



## 5. Repeating Courses

A student may enroll in the same course for a third or subsequent time only under unusual circumstances and with the written permission of the dean of the college of the student's first major. If a student enrolls in a course for a third or subsequent time without approval, the student will be administratively withdrawn from the course.

Undergraduate students may repeat college-level courses in which they earned grades of "C+", "C", "C-", "D+", "D", "D-", "F", or "U." In those courses, the last grades earned in the taking will replace those of the earlier.

If a student attempts to repeat a course and replace the grade but then withdraws from the course, the taking will not be counted among those for which grade replacement is available.

The grade earned in a course taken at another institution will not replace a grade earned at ECU. A grade of "S," "CR," or "P" will not replace a grade of "C", "C+", "C-", "D+", "D", "D-", or "F" (earned in normal grading) for calculating the GPA. A "P" will replace an "F" when the "F" was earned under the Pass/Fail option.

Repeating a course with an earlier grade of A+, A, A-, B+, B, or B- will result in either disenrollment from the course or removal of its credit at the end of the semester.

## 6. Cross-listed Courses.

Cross-listed courses are those which credit will be earned for just one course. Should there be enrollment in a second of cross-listed courses, the student will either be disenrolled from the course or have credit removed at the end of the semester. Upon a change of major, permission for enrollment and credit for the second course when required in the new major, *must* be obtained, in advance, from the college dean in the new major. In that instance, credit for the first taking will be removed.

## 7. Grade Change

All grade changes must be made by the following deadlines: for fall semester grades - the last day of the following spring semester; and for spring and summer semester grades - the last day of the following fall semester.

## 8. Changes to Transcript

Once a degree has been posted to the transcript, changes will not be made to courses or grades that were earned prior to the posting of the degree.

## Kentucky General Education Transfer Agreement

In an effort to promote a seamless transfer between Kentucky two-year and four-year public institutions, the Kentucky Council on Postsecondary Education (CPE) developed a policy to facilitate the transfer of credits from one Kentucky public college or university to another. This policy, implemented in 1996, is called the General Education Transfer Agreement and allows for the automatic transfer of a block of courses to satisfy general education degree requirements, rather than articulating individual courses.

The General Education Transfer Agreement comprises 48 semester hours of lower division general education, which includes a 33-semester-hour *core transfer component* along with 15 additional unspecified hours in general education.

### General Education Certification for Students Transferring to ECU from a Kentucky Public Institution

Students transferring to ECU from another Kentucky public college or university may be (1) *category certified*, or (2) *core certified*, or (3) *general education certified* in general education by the Registrar of the school where the course work was taken.

Category Certified. Students who have completed one or more of the five general education categories of the General Education Transfer Agreement will be *category certified*.

Core Certified. Students who have satisfied all five general education categories of the General Education Transfer Agreement will be general education *core certified* and receive 33 hours of general education credit at ECU.

General Education Certified. Students who have completed a 48-hour general education program at a Kentucky Community and Technical College and School (KCTCS) or at Lexington Community College (LCC) will be *general education certified* in general education as required by the CPE General Education Transfer Agreement. Students who have earned an AS or AA from a KCTCS institution or LCC are also considered to be *general education certified*. Students, however, are subject to any specified general education courses required by the major.

Transfer students from Kentucky four-year institutions who complete the general education at their first institution may request the Registrar of that institution to document them as *general education certified* in general education, which ECU will accept. Students who transfer to ECU without a *certified transfer module* will have their course work at their previous institution evaluated by ECU on a course-by-course basis for general education equivalency.

*Note: After initial transfer to ECU students may not transfer in further general education certifications unless they earn a subsequent AA or AS degree at a KCTCS institution or LCC. Students may transfer in further general education certifications after their initial enrollment at ECU, only if they return to a KCTCS institution or LCC for a period of at least one semester.*

### General Education Certification for Students Transferring from ECU to a Kentucky Public Institution

This General Education Transfer Agreement also applies to students transferring from ECU to another Kentucky public university. ECU students completing this 33-hour module will be general education *core certified*. This module will meet the 33-hour core component of other Kentucky public institutions. ECU students who do not complete the 33-hour program as outlined may also be *category certified* in one or more of the five general education categories listed below. For example, a student completing ECU general education Categories 01, 02 and 20 will be certified in the communications category of general education at other Kentucky public colleges and universities. A student who completes ECU's 52-hour general education program will be general education *general education certified* at other Kentucky public institutions.



EKU has adopted the following policy to meet the General Education Transfer Agreement standards, which complies with CPE's policy for students wishing to transfer from ECU to another Kentucky public college or university.

The *Core Transfer Component* (33 hours) at ECU is defined according to CPE general education categories below: (See Section Four of this *Catalog* for further information about General Education).

#### Communication (9 semester hours)

1. Written Communication: ECU general education Categories 01 and 02 (6 hours).
2. Oral Communication: ECU general education Category 20 (3 hours).

#### Humanities (6 semester hours)

One course from ECU general education Categories 05 or 06 (3 hours) and one course from Category 07 (3 hours).

#### Behavioral/Social Science (9 semester hours)

One course each from ECU general education Categories 09, 10, and 11 (9 hours).

#### Natural Sciences (6 semester hours)

1. Biological/Physical Science: ECU general education Categories 13 or 14 (3 hours). Note that this course must include a laboratory component.
2. Natural Science: ECU general education Category 15 (3 hours).

#### Mathematics (3 semester hours)

ECU general education Category 21 (3 hours).

#### Military Credits

Students may receive Military Science and Leadership course credit for having completed Basic Training (BT) and Advanced Individual Training (AIT). Student's must submit a copy of their DD Form-214 (Discharge Verification Certificate) through the Department of Military Science and Leadership (Begley Bldg. Rm 524, phone 859-622-1205) to the Registrar. Students may receive up to nine hours of credit and a waiver of the two-semester physical education requirement.

Based upon recommendation of the American Council on Education (ACE), ECU will award credit to individuals who have successfully completed military service school courses, as well as award credit for Military Occupational Specialties (MOS's). Submit appropriate paperwork to the Registrar's Office.

Students can have a copy of their ACE transcript sent from their respective service education centers to the Registrar's Office, SSB CPO 58, 521 Lancaster Ave, Richmond, KY 40475-3158.

- Army veterans can order transcripts online at <http://aarts.army.mil>
- Navy Veterans can order transcripts online at <https://smart.cnet.navy.mil>
- USMC Veterans can order transcripts online at <https://smart.cnet.navy.mil>

Air Force Veterans must request transcripts by letter. Include student's full name (former name if appropriate), date of birth, social security number, service component, current address,

Eastern Kentucky University Registrar's address and the student's signature. Send transcript request to: CAF/RRR, 130 West Maxwell Blvd., Maxwell AFB, AL 36112-6613.

#### Minimum Scholastic Standards

Students are expected to maintain at least a 2.0 cumulative grade point average (GPA). The conditions and actions described below pertain to students whose GPA's fall below 2.0.

- A. **Academic Warning** - A student will be on academic warning when his or her cumulative GPA is less than 2.0 but is above the value listed below for the number of hours the student has attempted. A student on academic warning may enroll for a maximum of 16 credit hours during a fall or spring term and a maximum of 6 hours during summer session.
- B. **Academic Probation** - A student will be on academic probation when his or her cumulative GPA is less than the value listed for the number of hours the student has attempted.

<u>Hours Attempted</u>	<u>Cumulative GPA</u>
9 - 32	1.5
33 - 64	1.7
65 - 80	1.9
More than 80	2.0

A student on academic probation may enroll for a maximum of 13 credit hours during a fall or spring term and a maximum of 6 hours during a summer term. A student will be removed from probation after the probationary semester by raising his or her cumulative GPA above the listed value. If the student does not do so, he or she may be continued on probation by earning a semester GPA of at least 2.2 during a probationary semester.

**Special Notice:** Students having difficulty meeting the Scholastic Standards are strongly advised to reduce or eliminate part-time jobs and other extracurricular activities which may detract from their studies, or to reduce the number of hours for which they are enrolled.

- C. **Dismissal** - A student will be dismissed from the University following a probationary semester in which he or she is neither removed from nor continued on probation (see above). The dismissal period for a first dismissal following a fall semester is the spring semester; following a spring semester it is the summer and fall semester. The dismissal period for a second dismissal is one calendar year and for a third dismissal two calendar years, after which the dismissed student may be eligible for academic bankruptcy.

During a dismissal period, a student will be ineligible to enroll for any credits at Eastern Kentucky University; furthermore, the University will not accept any transfer course work earned during this period.

A student with a first dismissal under this policy may appeal the dismissal in writing to the University Readmission Committee if the student believes the dismissal was the result of catastrophic circumstances beyond his or her control. There is no appeal with second or subsequent dismissals.

## **Preprofessional Curricula**

### **1. Pre-Law Curriculum**

Students interested in going to law school or exploring the possibility of doing so should make an appointment with the University Pre-law Advisor as early in their academic career as possible. The Pre-law Advisor is located in the Department of Government. The Pre-law Advisor can guide the student in selecting courses consistent with the American Bar Association recommendations noted below, plus provide valuable information on law schools, the Law School Admission Test, and typical admission procedures.

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one's chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

### **2. "Three-Two" Curricula**

In addition to standard pre-professional curricula, Eastern Kentucky University may approve specially arranged combined curricula. Students approved for these curricula complete the first three years of requirements at ECU. At the end of these three years, they enroll in one of several highly rated professional schools. After the first year of professional study, they transfer the work back in order to secure a Bachelor of Arts or a Bachelor of Science degree from Eastern Kentucky University. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

### **3. Other Preprofessional Curricula**

Descriptions of the following preprofessional curricula may be found on the pages noted:

Pre-Engineering .....	62
Pre-Forestry .....	62
Pre-Medical Sciences (Pre-Medicine, Pre-Dentistry) .....	63
Pre-Optometry .....	62
Pre-Pharmacy .....	63
Pre-Veterinary .....	63, 85

## **President's Award**

As a further recognition of academic achievement, the University presents the President's Award to students who enroll for a minimum of 12 credit hours, with regular grading, and who attain a 4.0 grade point average for the semester. Students receiving the President's Award receive a letter of recognition from the President. In addition, the Division of Public Relations and Marketing distributes the names of the recipients to appropriate news media, including their hometown newspaper.

## **Readmission Under Special Conditions**

### **1. Academic Bankruptcy of ECU Work**

Academic bankruptcy allows undergraduate students who are returning to Eastern Kentucky University after remaining out for an extended period to void a portion of the work attempted during one or more semesters of the prior enrollment(s). ECU offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for bankruptcy, a student must meet the following conditions:

- The student must not have attended Eastern Kentucky University or any other institution of higher education for a period of at least two consecutive years sometime after attempting the work to be bankrupted.
- After being readmitted, the student must attain a minimum of a 2.0 GPA with no grade lower than a "C" (not "C-") on all college-level (i.e., 100 or above) ECU work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA.
- The student must state, in writing, his or her intention to declare bankruptcy to the Office of the Registrar. The student will also specify which semesters are being requested for bankruptcy. Students may request to bankrupt any or all semesters of their prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.
- The student may not have previously declared bankruptcy of ECU work.
- The term noted above in which the twelfth hour is attempted must be spring 1986 or more recent.

If bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count toward degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses in which the student received at least a "C" or higher grade (but not "C-"), while requiring the student to substitute enough elective courses to obtain the minimum number of credit hours required to graduate.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

### **2. Academic Bankruptcy of Transferred Work**

Academic transfer bankruptcy allows undergraduate students who have been out of higher education for an extended period to void a portion of their earlier work attempted at other institutions. ECU offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for transfer bankruptcy, a student must meet the following conditions:

- The student must not have attended Eastern Kentucky University or any other institution of higher education for a period of at least two consecutive years sometime after attempting the work to be bankrupted.

- (b) After being admitted, the student must attain a minimum of a 2.0 GPA with no grade lower than a "C" (not "C-") on all college-level (i.e., 100 or above) ECU work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA.
- (c) The student must state, in writing, his or her intention to declare transfer bankruptcy to the Office of the Registrar. The written petition must identify the institutions from which work is to be bankrupted, as well as the specific semesters that are to be bankrupted. Students may request to bankrupt any or all semesters of prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.
- (d) The student may not have previously declared transfer bankruptcy at ECU.
- (e) The term noted above in which the twelfth hour is attempted must be fall 1987 or more recent.

If transfer bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count toward degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses in which the student received a "C" or higher grade (but not "C-"), while requiring the student to substitute enough elective courses to obtain the minimum number of credit hours required to graduate.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

### **Rescheduling of Final Examination**

If a student is scheduled for more than three final examinations on the same day, the student may request, through the college dean, that the fourth examination be rescheduled.

### **Satisfactory Progress**

Degree-seeking students shall be considered as making satisfactory progress so long as they remain in good academic standing and enroll in courses required by or allowed for in their academic program.

### **Schedule Changes**

If students wish to add courses to their schedule, they must do so by the date published in the *Colonel's Compass* for that term.

If a student drops a course by the end of a term's Schedule Change Period, the course will not appear on the student's grade report or transcript.

A student may officially withdraw from a course from the end of the Schedule Change Period to the course's midpoint. (The midpoint of full-semester courses is the eighth week; the midpoint of a part-semester course is printed on the course syllabus.) A student will be assigned a grade of "W" for a course withdrawn from, and a "W" will appear on the grade report and transcript. Refer to Section 3 of this *Catalog* for the University's Refund Policy. Refer to the current *Colonel's Compass* for deadlines and schedule change fee information.

After the eighth week, or midpoint, a student who is the victim of extraordinary circumstances may petition through The Office of the Registrar for an administrative withdrawal from a class. The deadline for filing a petition for withdrawal under extraordinary circumstances is the last day of the full semester following the term from which the student is seeking withdrawal. The student should prepare a written petition and should include *justification and documentation* for the withdrawal. If approved, the Registrar will assign the grade of "W" and will notify the instructor of the class.

Faculty will inform students of their academic progress prior to the last day from which they may withdraw from a course.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to withdraw from the course.

### **Student Load**

A full-time student is one who enrolls in 12 or more credit hours during a fall or spring term. Students carrying fewer than 12 credit hours are considered part time. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college of the student's first major. The absolute maximum load is 21 credit hours.

Six semester hours is considered a normal load for a summer session. Fewer than six are a part-time load, and nine are the maximum per term. There is a maximum of 12 hours for the two summer sessions.

The above limitations apply to all enrollments or combinations of enrollments for the term specified, including campus classes, extended campus classes, correspondence study (refer to the *Correspondence Course Bulletin*), and enrollments at other institutions. The Registrar will not record credits beyond these maximums.

### **Study Abroad Programs**

Students have several options for study abroad at ECU. Courses offered as part of the following programs vary widely, including language and culture, business, literature and the arts, science and social science, philosophy and religion, and many others. Costs vary according to program.

Students may study in English-speaking countries abroad through the Cooperative Center for Study Abroad (CCSA), a consortium of twenty-three colleges and universities from Alabama, Kentucky, Mississippi, Oregon, Pennsylvania, South Dakota, Texas, and Tennessee. During the winter break, CCSA offers courses in London, England and Australia; during the summer break, mid-May through early August, both two and four week courses are offered in Ireland, Scotland, England, Australia, South Africa, Kenya, Barbados, Belize, Jamaica, and Singapore. Full semester programs are offered at the University of East Anglia, in Norwich, England. Students in CCSA programs enroll and earn credit through Eastern Kentucky University.

The Kentucky Institute for International Study (KIIIS), a consortium of twenty colleges and universities in Kentucky, Indiana and Ohio, offers courses in non-English speaking countries. KIIIS offers summer programs in Athens/Rome, Austria, Brazil, China, Costa Rica, Ecuador, France, Germany, Italy, Japan, Mexico, Spain, and others. Additionally, semester-long programs in Spain, Germany, and Mexico are offered. Credit for KIIIS courses is transferred back to ECU.



Students may choose to study abroad for one year in one of four exchange programs at ECU. ECU has exchange programs with Liaoning Institute of Technology in Jinzhou, China; Yamanashi University in Kofu, Japan; Hogeschool Brabant in Brada, The Netherlands; and Taegu Haany University in Taegu, South Korea.

For information on any study abroad program, contact the Director of Study Abroad in the International Education Office or go to the ECU International Education website ([www.international.ecu.edu](http://www.international.ecu.edu))

### **Transfer Credits/Courses**

Eastern Kentucky University participates in and subscribes to the principles of the Kentucky Council on Postsecondary Education statewide transfer agreements. Eastern Kentucky University will accept credits transferred from all public institutions in Kentucky accredited by SACS, and it will apply them to its general education and program requirements to the maximum extent specified in these agreements. Credits not identified in these agreements will be applied to degree requirements as deemed appropriate. Students should submit a course description to the Transfer Coordinator in the Office of Academic Advising for transfer courses that have not been evaluated in the past. Students wishing to appeal the evaluation of transfer credit to be used for general education requirements should consult with the staff in the office of their college dean of their first major.

Eastern Kentucky University will also accept credits transferred from other colleges and universities accredited by a regional accrediting association, such as the Commission on Colleges of the Southern Association of Colleges and Schools. As completely as possible, it will apply these credits to the student's degree program.

Eastern Kentucky University students may also earn credits at other institutions and transfer them to Eastern Kentucky University. To ensure that they earn appropriate credits, they are strongly advised to see the Transfer Student Coordinator in the Office of Academic Advising and also obtain their college dean's approval prior to enrolling in any course work they plan to transfer. The University will not take responsibility for courses transferred without prior approval.

The University considers lower division credits transferred to ECU as lower division, even if ECU offers a comparable course at the upper division.

### **University Writing Requirement**

To ensure that graduates of Eastern Kentucky University possess important communication skills, the faculty and Board of Regents approved a University Writing Requirement (UWR). Except as noted below, students seeking baccalaureate degrees from Eastern Kentucky University, including transfer students, must successfully complete an essay exam.

Baccalaureate degree students must take the exam in the first semester of enrollment after completing the 60th credit hour. Transfer students who transfer 60 credit hours or more must take the exam in the first semester of enrollment.

Students who fail the first attempt may retake the exam under the following conditions:

- A. prior to the next enrollment, they must file with their advisor a remediation plan;
- B. they may not enroll for more than 12 hours in any fall or spring semester until the exam requirement is satisfied;

- C. they may not enroll after earning 100 hours until the exam requirement is satisfied.

Students failing to register for and take the UWR in the semester after they complete 60 credit hours will be subject to the enrollment limitations noted above in B and C. Also, after a student takes the UWR three times and fails to meet the minimum pass score then he or she must take ENG 099. Students with previously earned baccalaureate degrees need not write the UWR.

All full or part-time continuing students or students who have been **readmitted** to the University after being out for an academic year, regardless of the date of when they first entered ECU, seeking baccalaureate degrees and who have 60 or more hours of credit must satisfy the writing requirement. In addition, all Teacher Certification students must take the UWR. Students with previously earned baccalaureate degrees need not write the UWR unless they are completing teacher certification. Information about the UWR can be found at [www.testing.ecu.edu](http://www.testing.ecu.edu).

### **Withdrawal from the University**

Students finding it necessary to withdraw from the University must withdraw from all courses via the student web. A withdrawal is allowed only through the eighth week of classes during a regular semester or through the midpoint of any summer session or nonstandard course. A grade of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, a student who is the victim of extraordinary circumstances may petition through the Office of the Registrar for an administrative withdrawal from the University. The deadline for filing a petition for withdrawal under extraordinary circumstances is the last day of the full semester following the term from which the student is seeking withdrawal. The student should prepare a written petition and should include *justification and documentation* for the withdrawal. If approved, the Registrar will assign grades of "W" and will notify the instructors of the classes.

### **Military Withdrawal for ECU Students**

If a student is called to active duty, a Military Withdrawal will be processed with a hundred percent (100%) refund. The procedure is that a copy of the activation papers along with the request to be withdrawn should be sent to The Office of the Registrar, SSB CPO 58, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, Kentucky 40475-3158. The request does not need to be sent prior to leaving. It can be accepted later, but there must be a copy of the activation as documentation.

### **Dining Services Refund**

1. For Colonel Card dollars, a refund of the full remaining account balance (greater than \$10) will be made.
  2. For Meal Memberships, a pro-rated refund proportional to the time remaining in the semester will be given.
- For Colonel Card dollars refund, please send or fax a request to: Dining Accounts Office, Attention: Karen Pettit, 17 Powell Building, Richmond, KY 40475 or (859) 622-6226.

For Meal Memberships, you will automatically be refunded as of the date you officially withdraw from the University.



**Housing Refund**

For Housing refunds, a pro-rata refund proportional to the time remaining in the semester will be made. The procedure is that a copy of the activation papers along with a copy of the request to be withdrawn should be sent to The Director of Housing, SSB CPO 51, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, Kentucky 40475-3151.

**DEGREE INFORMATION****Concurrent Degrees**

A student may qualify to earn two degrees concurrently by completing all requirements for both degrees, including major, supporting, and general education requirements. Courses used in one degree program may also be used in the other. The minimum number of hours that must be earned for two associate degrees is 80; the minimum for two baccalaureate degrees is 160. The minimum number of hours required for concurrently earning an associate and a baccalaureate degree is the number required by the baccalaureate degree.

It is the student's responsibility to file a graduation application for each degree being sought. If the two degrees are in the same college, the student must file two applications in the office of the college dean. If they are different colleges, one application must be filed in each dean's office. See "Application for Graduation" section.

**Subsequent Degrees**

Students having earned one degree, either from Eastern Kentucky University or from another regionally accredited institution, may subsequently pursue an additional degree, either associate or baccalaureate, by completing all requirements of the subsequent degree, including major, supporting, and general education requirements. While some of the hours earned from the earlier degree may count toward the subsequent degree, students must earn at least 16 approved semester hours for an associate degree beyond those required for the earlier degree. A subsequent baccalaureate degree requires at least 32 approved hours beyond those required for the earlier degree. Hours for both degrees must be taken at Eastern Kentucky University or, as approved by the dean of the college awarding the subsequent degree, at another regionally accredited institution. Students who have completed a previous degree elsewhere and apply to Eastern Kentucky University, should have official transcripts from the institutions previously attended sent to Eastern Kentucky University's Admissions Office.

**DEGREE REQUIREMENTS****BACCALAUREATE DEGREES****Comprehensive Requirements**

To qualify for a baccalaureate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 128 semester credit hours, with at least 43 hours at the 300 level or above.
4. Satisfy the University Writing Requirement.
5. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern Kentucky University. In addition, transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern Kentucky University work.
6. Earn a minimum of 32 semester hours through ECU.\*
7. Earn at least 30 of the last 36 hours through Eastern Kentucky University, exclusive of student teaching (ELE 499, EMG 499, ESE 499, and SED 499).\*
8. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.
9. Students enrolled in MAT 090 are not permitted to enroll in any course with the following prefix: AST, BIO, CHE, CIS, CNM, CSC, FOR, GLY, NAT, PHY, SCI or STA.
10. According to AACSB International business accreditation standards, students enrolled in University baccalaureate degree programs, other than those within EKUBusiness, will not receive credit toward their degrees for more than 25 percent of their undergraduate programs in credit hours in courses offered through EKUBusiness and/or business courses (courses commonly taught in school of business) transferred from other colleges and universities or taken from other units within Eastern Kentucky University. Students who desire to take business courses are encouraged to enroll in the Business minor.

\*Degree programs offered by the College of Business and Technology have more stringent residency requirements. Please refer to "Residency Requirements" in the College of Business and Technology section of this *Catalog*.

**General Education Requirements**

General education requirements include 52 hours of course work designed to help each student develop as an educated person and as a citizen. For certain curricula, individual requirements are waived if they are satisfied in the major program. Refer to the program plans in Section 5 of this *Catalog*.

The General Education Program consists of course work in six broad areas: symbolics of information; humanities; social science; natural science; physical education and health; and communication and computational skills. These areas are subdivided into the 21 categories listed below. Students must earn the specified number of hours in the 17 "required" categories. In addition they must earn three hours in each of two of the four "optional" categories (categories 04, 08, 12, 16).

Notes: The courses listed award three hours of credit, unless a number appears in parentheses following the course name. This number represents the hours awarded for such courses. Course numbers followed by an asterisk (\*) have prerequisites or other restrictions on enrollment. Refer to Course Descriptions in Section 6 of this *Catalog* for specific restrictions.

**I. Symbolics of Information.****01 Symbolics. English Composition. Three hours required.**

ENG 101*	English Composition I
ENG 105*	First Year Writing Seminar (3 or 6)

**NOTE:** Students earning "A" or "B" in ENG 105 will earn six hours of credit, three of which will be applied to category 02. Those earning "C" or "D" will earn three hours credit and will then take ENG 102.

**02 Symbolics. English Composition. Three hours required.**

ENG 102*	English Composition II
HON 102*	Honors Rhetoric (6; for categories 01 and 02)

**03 Symbolics of Information. Three hours required.**

CCT 201*	Business Communication
ASL 101	American Sign Language I
ASL 102*	American Sign Language II
ASL 201*	American Sign Language III
ASL 202*	American Sign Language IV
CIS 212	Introduction to Computer Information Systems
CSC 104	Computer Literacy with Software Applications
CSC 160	Introduction to Programming
CSC 174	Introduction to Computer Programming--FORTRAN
CSC 177	Introduction to Programming in Visual Basic
CSC 190	Introduction to C++
ENR 112*	College Reading/Study Skills or
ENR 115	Learning Dynamics (1)
ENR 116	Efficient Reading (1)
ENR 201	Vocabulary Development (2)
ENR 205	Topics in Reading (1-3)
FLS 101	Language Topics: _____
FLS 102	Language Topics: _____
FLS 300*	Elements of Foreign Language: _____
FRE 101*	Conversational French I
FRE 102*	Conversational French II
FRE 201*	Intermediate Conversational French I
FRE 202	Intermediate Conversational French II
FRE 204*	Review of French Grammar
FRE 340*	French Phonetics
FRE 360*	French Grammar in Context
GER 101*	Conversational German I
GER 102*	Conversational German II
GER 201*	Intermediate Conversational German I
GER 202*	Intermediate Conversational German II
GER 240*	Beginning Conversation
GER 340*	Intermediate Conversation

**NOTE:** Students may count a maximum of three semester hours of ENR course work toward general education.

ITA 101	Conversational Italian I
ITA 102*	Conversational Italian II
JPN 101	Conversational Japanese I
JPN 102*	Conversational Japanese II
JPN 201*	Intermediate Japanese I
JPN 202*	Intermediate Japanese II
LAT 101	Beginning Latin I
LAT 102*	Beginning Latin II

MAT 105	Mathematics with Applications*
MAT 106	Applied Finite Mathematics
MAT 107*	College Algebra
MAT 109*	Precalculus Mathematics (5)
MAT 124*	Calculus I (4)
MAT 124H*	Honors Calculus I (4)
MAT 211*	Calculus with Applications for Business and Economics
MAT 224*	Calculus II (4)
MAT 224H*	Honors Calculus II (4)
MAT 261*	Calculus with Applications for Science I

**NOTE:** A maximum of three semester hours of MAT course work may count for Symbolics of Information requirements. The three hours may be used in either category 03 or 04.

PHI 100	Practical Reasoning
POR 501*	Accelerated Elementary Portuguese I
POR 502*	Accelerated Elementary Portuguese II
RUS 101	Conversational Russian I
RUS 102*	Conversational Russian II
RUS 201*	Intermediate Russian I
RUS 202*	Intermediate Russian II
SPA 101*	Conversational Spanish I
SPA 102*	Conversational Spanish II
SPA 105*	Spanish Honors

**NOTE:** Students earning "A" or "B" in SPA 105 will earn six hours of credit, three of which will be applied to category 04. Those earning "C" or "D" will earn three hours credit and, if they choose to continue in Spanish, will then take SPA 102.

SPA 201*	Intermediate Conversational Spanish I
SPA 202*	Intermediate Conversational Spanish II
SPA 206*	Conversational Fluency
SPA 360*	Topics in Grammar: _____
SPA 370	Conversation and Composition
CMS 200	Interpersonal Communication
CMS 205	Argumentation and Debate

**NOTE:** A maximum of three semester hours of SPE course work may count for Symbolics of Information requirements. The three hours may be used in either category 03 or 04.

STA 215*	Elementary Probability and Statistics
STA 270*	Applied Statistics I

**NOTE:** Students may count a maximum of three semesters hours of STA course work towards general education.

**04 Symbolics of Information. Three hours optional.**

Select an additional three semester hours from category 03 or HON 304, Special Topics.

**II. Humanities.****05 Chronological Humanities. Three hours required.**

ENG 211*	Survey of World Literature I
HON 205*	Honors Humanities I
HUM 226*	The Search for Meaning: The Ancient World

**06 Chronological Humanities. Three hours required.**

ENG 212	Survey of World Literature II
HON 306*	Honors Humanities II
HUM 228*	The Search for Meaning: The Modern World

**07 Humanities. Three hours required.**

In addition to the courses listed below, students may satisfy the requirement with the following foreign language and American Sign Language courses from category 03: ASL

201 or 202; FRE 201, 202, 204, or 360; GER 201, 202, 240, 340, or 360; JPN 201 or 202; RUS 201 or 202; SPA 201, 202, 206, 360 or 370.

ART 200	Art Appreciation: Orientation
ART 390	Survey of Art History I
ART 391	Survey of Art History II
FCC 210	Topics in Culture: _____
FCC 220	French Culture and Civilization
FCC 222	German Culture and Civilization
FCC 226	Hispanic Culture & Civilization
FCC 227	Japanese Culture and Civilization
HUM 124*	Humanities and the Search for Meaning
MUS 171	Enjoyment of Music
MUS 272	Music Literature
MUS 371*	Survey of Music History I
MUS 372*	Survey of Music History II
PHE 200	Heritage of Dance
PHI 110	Beginning Philosophy
PHI 130	Beginning Ethics
PHI 240	Philosophy of Religion
PHI 300	Greek and Roman Philosophy
PHI 320	Modern Philosophy
REL 301	World Religions
THE 100	Introduction to the Theatre
THE 390	Theatre History I
THE 391	Theatre History II

**08 Humanities. Three hours optional.**

Select an additional three semester hours from category 07, including listed foreign language and American Sign Language courses, or from the following courses:

COM 350	Cinema History I
COM 351	Cinema History II
HON 308	Special Topics
HUM 300*	Humanity in the Postmodern Age
MUS 273	Survey of American Popular Music
PHI 340	Philosophy of Science

**III. Social Science.****09 Social Science Principles. Three hours required.**

ANT 120	Introduction to Cultural Anthropology
ECO 120*	Economics in A World Setting: Principles
ECO 230*	Principles of Economics I
GEO 101	Introduction to Geography
HIS 142	Foundations of World Civilization
POL 100	Principles of Politics and Government
SOC 131	Introductory Sociology

**10 Historical Social Science. Three hours required.**

ANT 210	Non-Industrial Societies Around the World
GEO 201	Historical Geography I: Pre-Industrial Era
HIS 202	American Civilization to 1877
HIS 231*	Western Civilization I
HIS 246*	Preindustrial World Civilizations
HON 210*	Honors Civilization I
POL 210	Political Development: Developing Societies

**11 Historical Social Science. Three hours required.**

ANT 211	Industrial Societies Around the World
GEO 202	Historical Geography II: Modern World
HIS 203	American Civilization Since 1877
HIS 232*	Western Civilization II
HIS 247*	Industrialism in World Civilizations

HON 311*	Honors Civilization II
POL 211	Political Development: Industrialized and Post-Industrial Societies

**12 Social Science: Contemporary Problems. Three hours optional.**

ANT 325	Problems in Contemporary Cultures
COM 200	Mass Media and Society
ECO 110*	The Individual and the Economy
ECO 130*	Contemporary Economic Problems
ECO 231*	Principles of Economics II
GEO 200	Regions and Nations of the World
GEO 302	Global Environmental Problems
GEO 321	Urban Geography
GEO 322	World Geopolitics
HIS 305	African-American History
HIS 330	Seminar in Contemporary World Civilization
HON 312*	Special Topics
POL 101	Introduction to American Government
POL 220	Introduction to International Relations
POL 300	Contemporary Political Problems
PSY 300*	Social Psychology
SOC 235	Social Problems

**IV. Natural Science.****13 Biological Laboratory Science. Three hours required.**

BIO 100*	Introductory Biology
BIO 102	Inquiry Biology for Teachers
BIO 121	Principles of Biology (4)
BIO 171	Human Anatomy
BIO 301	Human Physiology and
BIO 378*	Human Physiology Laboratory (1)
NAT 101*	Biology: The Science of Life

**14 Physical Laboratory Science. Three hours required.**

AST 135*	Introductory Astronomy
CHE 100	Inquiry Chemistry for Teachers
CHE 101*	General Chemistry I (4)
CHE 105*	Chemistry for the Health Sciences I (4)
CHE 112*	Introductory Chemistry II (5)
GEO 210	Introduction to Physical Geography

**NOTE:** Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 102	Earth Science for Teachers
GLY 108*	Introductory Geology
GLY 109	Earth History
NAT 171*	The Physical Universe
NAT 172*	The Physical Environment
PHY 101*	Concepts of the Physical World
PHY 102	Inquiry Physics for Teachers
PHY 131	College Physics I (5)
PHY 201*	University Physics I (5)

**15 Natural Science. Three hours required.**

The courses listed below and those listed for categories 13 and 14 are recommended, but students may take any natural science course offered by the College of Arts and Sciences. See your advisor.

ANT 201	Introduction to Physical Anthropology
	or
ANT 206	Human Evolution
	or
ANT 380*	Forensic Anthropology



AST 130*	Introductory Astronomy
AST 330	Stars, Blackholes: The Cosmos
BIO 300	Economic Plants
BIO 301	Human Physiology
BIO 303*	Human Heredity and Society
BIO 304	Birds of Kentucky
BIO 310	Biology of Aging
BIO 317	Conservation of Wildlife Resources
BIO 399*	Trends in the Biological Sciences
CNM 101	Cosmos and Evolution I: An Exploration of Nature
CNM 102	Cosmos and Evolution II: An Exploration of Nature*

**NOTE:** Students completing both CNM 101 and 102 may use those courses to satisfy the biological and physical laboratory science requirements of categories 13 and 14.

CNM 315	Topics in Natural Science General Education
GEO 215	Introduction to Meteorology

**NOTE:** Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 302	Earth Science
GLY 304	Introduction to Oceanography
GLY 307	Exploring the Dynamic Earth
GLY 390	Environmental Geology
HON 315*	Honors Science
NAT 300	Science as a Human Endeavor
NAT 305	Dinosaurs
NAT 310	Topics in the Natural Sciences (1-3)
NAT 363	Ecology and Human Affairs
NAT 380	Science and Society
SCI 310	History of Science

**16 Natural Science. Three hours optional.**

Select an additional course from category 13, 14, or 15, or any other natural science course offered by the College of Arts and Sciences, or the following course: HON 316, Special Topics.

**V. Physical Education and Health.**

**17 Physical Education I. One hour required.**

HPR 180 Fitness and Wellness (1)

**18 Physical Education II. One hour required.**

HPR 282 Exercise, Movement, and Sports Skills (1)  
MUS 256 Marching Band (1)

**19 Health. Two hours required.**

HEA 281 Personal and Community Health (2)

**NOTE:** Adapted sections for special needs students are offered each semester (Fall-HPR 180; Spring-HPR 282).

*HPR classes are waived for students who have reached their twenty-fifth birthday prior to the first class day of the semester they are admitted or readmitted for at the University; also, HPR 180 and 282 are waived for students transferring 60+ hours.*

**VI. Communication and Computational Skills.**

**20 Oral Communication. Three hours required.**

Students entering ECU in Fall 1997 or thereafter must complete the following course:

CMS 100	Introduction to Human Communication
CMS 210	Public Speaking

**21 Mathematics. Three hours required.**

Students entering ECU in Fall 1996 or thereafter must complete a three-hour MAT course numbered 105 or higher.

## ASSOCIATE DEGREES

### Comprehensive Requirements

To qualify for an associate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 64 semester credit hours.
4. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern Kentucky University. In addition, transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern Kentucky University work.
5. Earn a minimum of 16 semester hours through Eastern Kentucky University.
6. Earn a minimum of 15 of the last 18 hours through Eastern Kentucky University.
7. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.
8. Students enrolled in MAT 090 are not permitted to enroll in any course with the following prefix: AST, BIO, CHE, CIS, CNM, CSC, FOR, GLY, NAT, PHY, SCI or STA.

### General Education Requirements

Students in associate degree programs must earn a minimum of 16 hours in courses approved for general education. These hours must include ENG 101 and ENG 102 or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities); categories 09-12 (social science); and categories 13-16 (natural science) or an approved MAT course from category 03.

**Courses meeting general education requirements have been identified by an asterisk (\*) in program plans in Section Five.** For certain curricula, individual requirements are waived if they are satisfied in the major program.

## GRADUATION

### Application for Graduation

Students completing requirements for graduation in December should apply before the end of the preceding April. May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semesters and the summer session. Students who are candidates for degrees are encouraged to participate in the ceremony.



**Honors for Baccalaureate Degree Graduates**

Students are graduated Summa Cum Laude if they attain a cumulative grade point average (GPA) of 3.9 or higher on all semester hours transferred to and attempted at Eastern Kentucky University and if they complete a minimum of 64 hours at Eastern Kentucky University.

Students are graduated Magna Cum Laude if they attain a cumulative GPA of at least 3.7 but less than 3.9 on all semester hours transferred to and attempted at Eastern Kentucky University and if they complete a minimum of 64 hours at Eastern Kentucky University.

Students are graduated Cum Laude if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern Kentucky University and if they complete a minimum of 64 semester hours at Eastern Kentucky University.

Students are graduated as Honors Scholars if they successfully complete Eastern Kentucky University's Honors Program, satisfy all comprehensive and program requirements for an undergraduate degree from this University, and graduate with a cumulative GPA of at least 3.0.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's. Honors GPA calculation for the graduation ceremony do not include the final semester's course work although those in progress will be used to attempt to obtain the 64 semester hours at Eastern Kentucky University. Honors for the diploma and transcript will include the final semester.

**Honors for Associate Degree Graduates**

Students are graduated With High Distinction if they attain a cumulative grade point average (GPA) of 3.7 or higher on all semester hours transferred to and attempted at Eastern Kentucky University and if they complete a minimum of 32 semester hours at Eastern Kentucky University.

Students are graduated With Distinction if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern Kentucky University and if they complete a minimum of 32 semester hours at Eastern Kentucky University.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern Kentucky University, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's. Honors GPA calculation for the graduation ceremony do not include the final semester's course work although those in process will be used to attempt to obtain the 32 semester hours at Eastern Kentucky University. Honors for the diploma and transcript will include the final semester.

**UNDECLARED STUDENTS**

If students are not ready to declare a major, they will be enrolled as an undeclared student. A major should be declared as soon as students decide on their field of interest. Students must officially declare a major prior to registration during the semester in which they are registered for their 60th hour. Until a major is declared, students' curriculum will include general education courses appropriate for most baccalaureate programs. In addition, students will be encouraged to take exploratory electives that will allow them to sample disciplines they may like to select as a major.

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# SECTION FIVE

## Academic Divisions

# Accreditations and Memberships

## Accreditations

**EASTERN KENTUCKY UNIVERSITY IS ACCREDITED BY THE COMMISSION ON COLLEGES OF THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS TO AWARD ASSOCIATE, BACCALAUREATE, MASTER, AND SPECIALIST IN EDUCATION DEGREES.**

American Nurses Credentialing Center (ANCC)  
Commission on Accreditation for Dietetics Education of the American Dietetics Association

Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Joint Review Committee on Education Programs for the EMT Paramedic

(Emergency Medical Technician/Paramedic)

(Associate Degree and Certificate Curricula)

Commission on Accreditation of Allied Health Education Programs on the recommendation of the Committee on Accreditation for Medical Assistant Education

(Medical Assisting Technology)

(Associate Degree Program)

Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Council on Accreditation of the American Health Information Management Association

(Health Information)

(Associate and Baccalaureate Degree Programs)

(Post-Baccalaureate Certificate Program)

Commission on Accreditation of Allied Health Education Programs  
Joint Review Committee on Educational Programs in Athletic Training

Commission on Collegiate Nursing Education

(Baccalaureate and Masters Degree Programs)

Council for Accreditation of Counseling and Related Educational Programs

National Accrediting Agency for Clinical Laboratory Sciences

(Associate and Baccalaureate Degree Programs)

Accreditation Council for Occupational Therapy Education

(Baccalaureate Degree and Masters Degree)

American Speech-Language-Hearing Association, Council on Academic Accreditation (Graduate Degree Program)

AACSB International - The Association to Advance Collegiate Schools of Business

Computer Science Accreditation Commission of the Computer Science Accreditation Board

(Baccalaureate Degree Program)

Council on Social Work Education

(Baccalaureate Degree Program)

International Council for Exceptional Children

International Society of Fire Services Instructors Emergency

Kentucky Vocational Agriculture Teachers Association

Management Accreditation and Certification System

(Professional Qualifications Council for Industry)

(Baccalaureate Degree Program)

National Association of College Teachers of Agriculture

National Association for the Education of Young Children

National Association of Industrial Technology

National Association of Schools of Music

National Association of Schools of Public Affairs and Administration

(Master of Public Administration Degree Program)

National Environmental Health Science and Protection Accreditation Council

(Baccalaureate Degree Program)

National Council for Accreditation of Teacher Education

American Association for Health Education

National Association for Sport and Physical Education

National League for Nursing Accrediting Commission

(Associate and Baccalaureate Degree Programs)

National Recreation and Park Association/American Association for Leisure and Recreation Council on Accreditation

(Baccalaureate Degree Program)

American Council for Construction Education

American Nurses Credentialing Center

American Chemical Society

(Bachelor of Science and Biochemistry Option)

Masters in Psychology Accreditation Council

(Clinical Psychology M.S. Program)

**THE FOLLOWING PROGRAMS ARE APPROVED BY THESE AGENCIES.**

American Bar Association

Paralegal

(Associate and Baccalaureate Degree Programs)

American Association for Health Education

Health Education, School Health Option

(Baccalaureate Degree Program)

American Drive and Traffic Safety Education Association (ADTSEA/

IUP National Teacher Credentialing Program)

Association of Graduate Faculties in Public Health

Community Nutrition

(Master of Science Degree Program)

Council of Applied Masters Programs in Psychology

Clinical Psychology

(Master of Science Degree Program)

School Psychology

(Specialist in Psychology Degree Program)

Kentucky Board of Nursing

Nursing

(Associate and Baccalaureate Degree Programs)

Kentucky Department of Education

School Psychology

(Specialist in Psychology Degree Program)

National Association for Sport and Physical Education

Physical Education, P-12 Teaching Option

(Baccalaureate Degree Program)

Public Relations Society of America

(Baccalaureate Degree Program; Public Relations Major)

Society of Public Health Educators

(Community Health Education Program)

## Memberships

AACSB International - The Association to Advance Collegiate Schools of Business

Academy of Criminal Justice Sciences

Aircraft Owners and Pilots Association

American Association of Airport Executives

American Association of Colleges of Nursing

American Association of Colleges for Teacher Education

American Association of Collegiate Registrars and Admission Officers

American Association of Educational Service Agencies

American Association of Family and Consumer Sciences

American Association of State Colleges of Agriculture and Renewable Resources

American Council for Construction Education	National Association of Schools of Public Affairs and Administration
American Council on Education	National Association of Student Personnel Administrators
American Council on the Teaching of Foreign Languages	National Collegiate Athletic Association
The American Dietetics Association	National Collegiate Honors Council
General Dietetics	National Commission for Cooperative Education
American Driver and Traffic Safety Education Association	National Council of Arts Administrators
American Historical Association	National Council of Teachers of English
American Hospital Association	National Environmental Health Association
American Health Information Management Association Assembly on Education	National Faculty Exchange
American Mathematical Society	National Fire Protection Association
American Political Science Association	National Intercollegiate Flying Association
American Society of Allied Health Professions	National Intramural Recreational Sports Association
American Society of Human Genetics	National Juvenile Detention Association
American Society for Training and Development	National League for Nursing
American Statistical Association	National Organization for Associate Degree Nursing
American Technical Education Association	National Recreation and Park Association
Associated Schools of Construction	National Safety Council
Association for Computing Machinery	National Society for Experiential Education
Association of Education in Journalism and Mass Communications	National University Continuing Education Association
Association for Supervision and Curriculum Development	National Wellness Association
Association for General and Liberal Studies	Newspaper Association of America
Association for Gerontology in Higher Education	Screen Printing and Graphic Imaging Association
Association for School, College, and University Staffing, Inc.	Southeastern Airport Managers Association
Association for University Interior Designers	Southeastern Association of Advisors for the Health Professions
Association of Departments of English	Southeastern College Art Conference
Association of Governing Boards of Universities and Colleges	Southern Association of Colleges and Schools, Inc.
Association of Graduate Faculties in Public Health Nutrition	Southern Association of Collegiate Registrars and Admission Officers
Association of Schools of Journalism and Mass Communication	Southern Association of Community, Junior, and Technical Colleges
Association of Departments of Foreign Languages	Southern Council on Collegiate Education for Nursing
Aviation Information Resources, Inc.	Southern Regional Education Board
Broadcast Education Association	Southern Regional Honors Council
Broadcast Promotion and Marketing Executives Association	Teacher Education Council of State Colleges and Universities
College Art Association	Trainer of School Psychologists
College Placement Council, Inc.	Travel and Tourism Research Association
Conference of Southern Graduate Schools	University Aviation Association
Council for Advancement and Support of Education	
Council of Applied Masters Programs in Psychology	
Council of Colleges of Arts and Sciences	
Council of Graduate Departments of Psychology	
Council of Graduate Schools	
Council on Aviation Accreditation	
Council on Social Work Education	
Flexographic Technical Association	
Graphic Arts Technical Foundation	
Graphic Communications Council	
International Graphic Arts Education Association	
International Reading Association	
International Technology Education Association	
International Television Association	
Kentucky Academy of Science	
Kentucky Association of Department of English	
Kentucky Broadcasters Association	
Kentucky Council of Associate Degree Nursing	
Kentucky Paramedic Association	
Kentucky Press Association	
Kentucky Recreation and Park Society	
Kentucky Tourism Council	
Mathematical Association of America	
Mid-South Educational Research Association	
National Athletic Trainers Association	
National Association for Business Teacher Education	
National Association for the Exchange of Industrial Resources	
National Association for Foreign Student Affairs	
National Association of Advisors for the Health Professions	
National Association of College Admission Counselors	
National Association of College and University Attorneys	
National Association of Colleges and Teachers of Agriculture	
National Association of Industrial Technology	
National Association of School Music Dealers, Inc.	
National Association of Schools of Music	



# Academic Programs

Eastern Kentucky University offers the following programs which are registered with the Kentucky Council on Postsecondary Education. Many of these programs include approved options designed to provide a background tailored for students' individual needs. At the undergraduate level, these options are presented with the program descriptions in this *Catalog*. Options at the graduate level are found in the *Graduate Catalog*. Eastern Kentucky University cooperates with the University of Kentucky in offering joint doctoral programs.

## MAJORS

## DEGREES

Accounting .....	BBA	Environmental Health Science .....	BS
Agriculture .....	BS	Environmental Studies .....	BS
Anthropology .....	BA	Family and Consumer Sciences Education .....	BS
Apparel Design and Merchandising .....	BS	Finance .....	BBA
Art .....	BA, BFA	Fire and Safety Engineering Technology .....	AA, BS
Art, Teaching (See Art B.A.) .....	BA	Forensic Science .....	BS
Assets Protection and Security .....	BS	French .....	BA
Athletic Training .....	BS	French (Teaching) .....	BA
Aviation .....	BS	General Business .....	BBA
Biology .....	BS, MS	Geography .....	BA
Biology (Teaching) .....	BS	Geology .....	BA, BS, MS
Broadcasting and Electronic Media .....	BA	Graphic Communications Management .....	BS
Business Administration .....	MBA	Health Education .....	BS
Business and Marketing Education/Teaching .....	BS	Health Education (Teaching) .....	BS
Career and Technical Education .....	AS, BS, MS	Health Information Technology .....	AS
Chemistry .....	BA, BS, MS	Health Services Administration .....	BS
Child and Family Studies .....	BS	History .....	BA, MA
Clinical Laboratory Technology/Science .....	AS, BS	History (Teaching) .....	BA
Clinical Psychology .....	MS	Horticulture .....	BS
Communication Disorders .....	BS, MA in Ed	Human Services .....	MA
Communication Studies .....	BA	Individualized Studies .....	BIS
Community Nutrition .....	MS	Industrial Technology .....	BS, MS
Computer Aided Drafting .....	AS	Instructional Leadership .....	MA in Ed
Computer Electronic Networking .....	BS	Insurance .....	BBA
Computer Electronics Technology .....	AS	Interpreter Training Program .....	BS
Computer Information Systems .....	BBA	Joint Doctoral in Biology, General* .....	PhD
Computer Science .....	BS	Joint Doctoral in Educational Policy Studies and Evaluation* .....	EdD
Computer Science, Applied .....	MS	Joint Doctoral in Educational Psychology* .....	EdD
Computer Science and Mathematics (Teaching) .....	BS	Joint Doctoral in Geology* .....	PhD
Construction Management .....	BS	Joint Doctoral in Health, Physical Education, and Recreation* .....	EdD
Corporate Communication and Technology .....	BBA	Joint Doctoral Program in Rehabilitation Sciences .....	EdD
Correctional and Juvenile Justice Studies .....	AA, BS, MS	Joint Doctoral in Instruction and Supervision* .....	EdD
Criminal Justice .....	BS, MS	Joint Doctoral in Special Education* .....	EdD
Deaf and Hard of Hearing .....	BS	Journalism .....	BA
Dietetics, General .....	BS	Library Science .....	MA in Ed
Digital Imaging Design .....	AS	Loss Prevention and Safety .....	MS
Early Childhood Development .....	AS	Management .....	BBA
Earth Science/Teaching .....	BS	Marketing .....	BBA
Economics .....	BA	Master of Arts in Teaching (Elementary, Middle Grade, Secondary) .....	MAT
Educational Leadership .....	MAEd	Mathematical Sciences .....	MS
Elementary Education (P-5) (Teaching) .....	BS, MA in Ed	Mathematics .....	BS
Emergency Medical Care .....	AS, BS	Mathematics (Teaching) .....	BS
English .....	BA, MA	Medical Assisting Technology .....	AS
English (Teaching) .....	BA	Medical Practice Management .....	BS
		Mental Health Counseling .....	MA
		Microbiology .....	BS
		Middle Grade Education (5-9) (Teaching) .....	BS, MA in Ed
		Military Science .....	Commission
		Music .....	BNL, MM
		Music, Teaching (See Music B.M.) .....	BME

Nursing .....	ASN, BSN, MSN
Nutrition Care Management .....	AS
Occupational Science .....	BS
Occupational Therapy .....	BS, MS
Office Systems/Technologies .....	AA
Paralegal Studies/Science .....	AA, BA
Performing Arts .....	BFA
Philosophy .....	BA
Physical Education .....	BS, MS
Physical Education (Teaching) .....	BS
Physics .....	BS
Physics (Teaching) .....	BS
Police Studies .....	AA, BS
Political Science .....	BA, MA
Pre-Dental Hygiene .....	(Transfer Program)
Pre-Engineering .....	(Transfer Program)
Pre-Forestry .....	(Transfer Program)
Pre-Medical Sciences .....	(Transfer Program)
Pre-Optometry .....	(Transfer Program)
Pre-Pharmacy .....	(Transfer Program)
Pre-Physical Therapy .....	(Transfer Program)
Pre-Physician Assistant .....	(Transfer Program)
Pre-Veterinary Medicine .....	(Transfer Program)
Psychology .....	BS
Public Administration .....	MPA
Public Health .....	MPH
Public Relations .....	BA
Quality Assurance Technology .....	AS
Recreation and Park Administration .....	BS, MS
School Counseling .....	MA in Ed
School Psychology .....	PsyS
Science of Engineering .....	AS
Secondary Education (20 Discipline Options) .....	MA in Ed
Social Work .....	BSW
Sociology .....	BA
Spanish .....	BA
Spanish (Teaching) .....	BA
Special Education (5 options) .....	BS, MA in Ed
Statistics .....	BS
Technical Agriculture .....	AS
Theatre Arts .....	BA
Theatre Arts (Teaching) .....	BA
Wildlife Management .....	BS

*\*Degree awarded by University of Kentucky*

## MINORS

Eastern Kentucky University offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Consult the index for the location of requirements for individual minors. The following minors are offered, some offering options or areas of specialization.

Advertising  
Aerospace Studies  
Agriculture  
American Sign Language (ASL) Studies  
Anthropology  
Art  
Assets Protection Management  
Aviation Administration  
Aviation Flight  
Biology  
Broadcast News  
Broadcasting and Electronic Media  
Business  
Chemistry  
Child and Family Studies  
Communication Studies  
Community Health Education (Non-Teaching)  
Community and Regional Planning  
Computer Electronic Publishing  
Computer Electronics Technology  
Computer Information Systems  
Computer Publishing  
Computer Science  
Construction Management  
Correctional and Juvenile Justice Studies  
Criminal Justice  
Dance (Non-Teaching)  
Design and Merchandising  
Deviance/Criminology  
Dispute Resolution  
Earth Science, Teaching  
Economics  
Emergency Medical Care  
English  
English, Teaching  
Environmental Health Science  
Family and Consumer Sciences  
Fire and Safety Engineering Technology  
Foodservice Administration  
French  
Geography  
Geology  
Geotechniques  
Gerontology  
Health Care Administration  
Health Information  
History  
Horticulture  
Human Environmental Sciences  
Humanities  
Industrial Technology  
Insurance  
International Studies  
Journalism  
Managerial Communication  
Mathematical Sciences  
Mathematics  
Military Science  
Music  
Natural Resource Geography  
Nutrition  
Office Administration  
Philosophy  
Physical Education (Non-Teaching)  
Physics  
Physics, Teaching  
Police Studies  
Political Science  
Psychology

Public Administration  
 Public Relations  
 Quality Assurance Technology  
 Real Estate  
 Recreation and Park Administration (Non-Teaching)  
 Religion  
 School Health P-12 (Teaching)  
 Social Justice  
 Social Welfare  
 Sociology  
 Soils  
 Spanish  
 Special Education  
 Statistics  
 Theatre Arts  
 Traffic Safety (Non-Teaching)  
 Visual Media  
 Women's Studies

## ENDORSEMENTS AND CERTIFICATES

The following special endorsements and certificates are offered.

### 1. Undergraduate

Accounting Certificate  
 Advanced Emergency Medical Care Certificate  
 Basic Emergency Medical Technician  
 Career and Technical Education\*  
 Certified Alcohol and Drug Counselor (CADC)  
 Child Public Welfare Certification  
 Coaching Endorsement  
 Driver Education Endorsement  
 English as a Second Language (Teaching) Endorsement  
 Fire and Safety Engineering Technology Certificate  
 French Conversation and Culture Certificate  
 German Conversation and Culture Certificate  
 Health Information Coding Certificate  
 Health Information Management, Post-Baccalaureate Certificate  
 Instructional Computer Technology  
 Japanese Conversation and Culture Certificate  
 Medical Administrative Certificate  
 Middle Grade Education (5-9) Endorsement (one area)  
 Public Child Welfare Certificate  
 Real Estate Certificate  
 Spanish Conversation and Culture Certificate  
 Youth Work Certificate

*\*Based on recommendation from EKU, Certificate is awarded by the Education Professional Standards Board.*

### 2. Graduate

Director of Pupil Personnel Services  
 Director of Special Education  
 Driver Education  
 Gifted Education  
 Instructional Leadership (School Principal, All Grades)  
 Rank II  
 Rank I  
 School Counseling  
 School Psychology  
 School Superintendent  
 Standard Certificate in School Counseling  
 Supervisor of Instruction  
 Vocational Principal  
 Coordination/Supervision of Vocational Education

# The Office of Academic Affairs

W. Lyle Cook, Provost and Vice President

Academic Affairs

Coates 110

(859) 622-3884

[www.academicaffairs.eku.edu](http://www.academicaffairs.eku.edu)

The Provost and Vice President for Academic Affairs serves as the chief academic officer of the University. The Provost and Vice President is responsible to the President for the coordination of all phases of the instructional program and institutional research. In addition, the Provost and Vice President for Academic Affairs supervises the preparation of position specifications for instructional staff and administrative personnel connected with instructional activities; makes recommendations to the President concerning staffing needs and appointments, promotions, or dismissals for all instructional personnel and administrative personnel related to instruction; and, as the person responsible for the coordination and development of all academic programs, serves as chair of the Council on Academic Affairs.

The Office of the Provost and Vice President for Academic Affairs also provides coordinating support for a number of interdisciplinary programs which include course work from across the colleges:

## CENTER FOR APPALACHIAN STUDIES

Students must select a group of courses tailored to their personal and academic goals in consultation with the Director of the Center for Appalachian Studies. The minor in Appalachian Studies requires a minimum of 18 credit hours of approved courses as follows:

- " Fifteen (15) hours of electives from at least three different programs.
- " *Seminar in Appalachian Studies* (3 credit hours).

Students may also select content relevant special topics or independent studies courses with the approval of the Director of the Center for Appalachian Studies.

The following courses have been approved by the Appalachian Studies Advisory Board.

ANT/SWK 331 .....	<i>Appalachia: A Cultural Perspective</i>
APP 460 .....	<i>Seminar in Appalachian Studies</i>
ECO 340 .....	<i>Environmental Economics</i>
ENG 365 .....	<i>Appalachian Literature</i>
GEO 430 .....	<i>Sustainability in Appalachia</i>
HIS 420 .....	<i>Appalachia in American History</i>
OTS 520/720 .....	<i>Providing Health Services in Appalachia</i>
POL 373 .....	<i>Politics of Development in Appalachia</i>
SOC 363 .....	<i>Images of Appalachia in Film &amp; Song</i>
SOC 365 .....	<i>Social Changes in Appalachia</i>
SOC 370 .....	<i>Religion in Appalachia</i>

## INDIVIDUALIZED STUDIES, BACHELOR DEGREE

The Bachelor of Individualized Studies (B.I.S.) Degree is administered by the Associate Vice President of Enrollment Management. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program. A student who wishes admission to the Bachelor of Individualized Studies Program should have, in the semester of admission, a minimum of 30 semester hours with a minimum GPA of 2.0. The application must be submitted to the Coordinator who will assist the student in finding a program advisor. The Coordinator will inform the applicant concerning admission status after the program advisor submits an acceptable plan of study which conforms to the program requirements.

### Major Requirements ..... 36 hours

A minimum of 36 hours in the area of emphasis is required with 18 of those hours being upper division. A senior project is mandatory. A maximum of 18 semester hours from a single academic discipline will be applied to the Area of Emphasis. The student must enroll in at least 21 semester hours (including the senior project) following the approval of the BIS Program.

### General Education Requirements ..... 51 hours

Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements. General Education hours cannot be counted in the Area of Emphasis.

### University Requirement ..... 1 hour

GSO 100.

### Free Electives ..... 40 hours

### Total Curriculum Requirements ..... 128 hours

## MINOR IN INTERNATIONAL STUDIES

Globalization of the economy, cross-cultural relations, world-wide media, ecological crises, and political transformations are all making international studies more important in this rapidly changing world. As such, the international studies minor encourages students to begin thinking and acting within a global perspective, in order to meet these current challenges. Courses in the minor deal with topics as diverse as the relations of the United States with other countries, international economics, and cultures and religions of Latin America or Asia.



The minor consists of 21 credit hours across a number of disciplines, providing a broad-based, general exposure to international issues through a solid set of three core courses. A commitment to foreign language and/or international experience is an integral part of the minor. A wide range of electives rounds off the minor.

**Core Courses:** ..... 9 hours  
GEO 200, HIS 347, POL 220.

**Study Abroad or Foreign Language** ..... 6 hours  
Six credit hours from either a Study Abroad course (through Eastern Kentucky University or another accredited university, with credit transferred back to EKU), or six credit hours of foreign language at or above the 200 level. Students may split this requirement by taking 3 credit hours of Study Abroad and 3 credit hours of a foreign language at or above the 200 level.

**Electives** ..... 6 hours  
Six credit hours from among the following courses (Note: many of these courses, including all College of Business upper division courses have prerequisites): ANT 325, 435, COM 300, COM 345 or ENG 345, ECO 394, 395, EME 530, FCC 220, 222, 226, 227, FIN 330, 455, GBU 201, GEO 202, 322, 347, HIS 320, 350, 354, 365, 375, 378, 384, 474, 475, HUM 300, MGT 430, MKT 400, PHI 330, POL 220, 310, 312, 313, 315, 316, 325, 327, 410, 417, 495, REL 301, 335, 340, 345, 355, SPE 375, TNT 300 (International topics only).

### WOMEN'S STUDIES, INTERDISCIPLINARY MINOR AND CERTIFICATE

Women's Studies is a rapidly growing interdisciplinary field established in the 1970's. The purpose of Women's Studies is to recognize and validate the experiences and contributions of women and to bring women more fully into the college curriculum. To that end, a primary focus of Women's Studies courses is on the roles, contributions, and experiences of women. Students learn to identify and analyze gender-based assumptions and biases and to recognize their consequences on individual, social and cultural levels. Courses introduce recent scholarship about women and issues especially related to women's concerns and, where possible, use works by women scholars.

A student may complete an Interdisciplinary Women's Studies minor by taking 18 hours as indicated below. Required courses include the following six hours: WMS 201, Introduction to Women's Studies, and WMS 400, Feminist Theory and Practice. An additional 12 hours of electives shall be selected from the courses listed below. A student may complete an Interdisciplinary Women's Studies Certificate by taking WMS 201, WMS 400 and 6 hours of electives selected from the courses listed below. To ensure the interdisciplinary nature of the minor, courses shall be selected from at least two different departments.

ADM 310, ANT 399, ANT 435 (Topic: India), ANT/SOC 399, CDF 132, CDF 232 (or HEA 592), CDF 331, CRJ 305, CRJ 345, CSC 490 (Topic: Seminar in Computer Science: Women and Technology), ENG 301 (Topic: Women, Writing, and the Internet), ENG 308, ENG 340, ENG 535, ENG 540 (Topic: Women in Detective Fiction), ENG 550 (Topic: Scribbling Women), ENG 570 (Topic: Jane Austen and Charlotte Bronte), HEA 591, HEA 592 (or CDF 232), HIS 300 (Topics Relating to Women and Gender), HIS 303, HON 312 (Topic: Culture and Child Development), HON 316 (Topic: Biology and Gender), MAS 300, NAT 310 (Topic:

Women and Science), PHI 390 (Topics: Platonic Perspectives; Existentialism and Postmodernism), POL 446, PSY 397 (Topic: Cultural Diversity), PSY 420, SOC 399, SPE 400, WMS 349, WMS 495.

**Note:** The topics listed for ANT 435, ENG 301, ENG 540, ENG 550, ENG 570, HIS 300, HON 312, HON 316, NAT 310, PHI 390, and PSY 397 are examples of specific classes approved for the Women's Studies minor. Other topics may be approved for the minor as they are offered. Average GPA of courses applied to minor must be 2.25 or better.

### DIVISION OF CONTINUING EDUCATION & OUTREACH

The Division of Continuing Education and Outreach provides quality student/client-centered services and programs to local, regional and virtual communities, campuses and EKU's service area through a combination of credit and non-credit opportunities. For more information, visit our website at [www.eku.edu](http://www.eku.edu) (Quick Link - Continuing Education & Outreach) or write to the Division of Continuing Education & Outreach, Eastern Kentucky University, 521 Lancaster Avenue, Perkins 202, Richmond, KY 40475-3102, or call (800) 262-7493 or (859) 622-2001.

#### Extended Campuses

EKU Extended campuses are operated at Corbin, Danville and Manchester. These campuses provide a variety of graduate, undergraduate and non-credit programs and courses. In addition, EKU has offices at Ft. Knox, Hazard, and Somerset.

Contact information is listed below:

Corbin	(606) 528-0551
Danville	(859) 236-6866
Manchester	(606) 598-8122
Ft. Knox	(502) 942-8628
Hazard	(606) 439-3544
Somerset	(606) 679-8501

#### Student/Client Support Services

Adult students often have career and family responsibilities in addition to pursuing their educational programs. Our Student/Client Support Services team has been established to work proactively with our CE&O students to reduce barriers to their educational goals. For our one-stop services, contact (859) 622-2001.

#### Distance Education

Can't get away from work or other responsibilities? EKU Distance Education provides a variety of delivery methods for instruction. Kentucky Education Television (KET) telecourses, interactive television courses, web courses and correspondence courses are all offered to give students a variety of options for their schedules. For more information, contact (859) 622-2003.

#### Workforce Education

Workforce Education offers a wide variety of training classes and certification programs focused on career growth and development. EKU faculty, area business leaders and professional trainers are used to provide the competitive advantage necessary for continuous improvements in quality, variety and productivity. For more information, contact (859) 622-2961.

## Community Education

A wide variety of non-credit classes are offered to the general public to encourage lifelong learning. Community professionals, local tradespersons and ECU faculty teach these courses in a relaxed learning atmosphere. For a brochure of the courses offered, contact (859) 622-2001.

## Conference & Event Planning

Our event planners plan and coordinate more than 800 successful meetings, conferences, training sessions and banquets each year. Clients are offered a competent, professional staff for arrangements, computer labs, food services, and setup of their functions. For more information, contact (859) 622-2001.

## HONORS PROGRAM

The Honors Program seeks to provide intellectually stimulating courses within the general education program for students with excellent academic backgrounds and/or exceptional potential for superior performance in college. The 31 hours of courses that make up the Honors Program all meet requirements of the University's four-year programs. That is to say, regardless of the student's major, the courses taken in the Honors Program will apply to the general education requirements for that major. Thus, honors students complete the program without taking courses beyond those they would take were they not in the Honors Program. Honors course work is in fields such as rhetoric, humanities, social science, and natural science. Any student who successfully completes the full 31 hours of course work in the Honors Program and graduates with a cumulative grade point average of at least 3.0 will qualify as an "Honors Scholar." The University will recognize this achievement at commencement, on the academic transcript, and on the student's diploma, where the phrase "Honors Scholar" will appear.

Advantages to participants of the Honors Program include opportunities to experience an innovative curriculum developed by first-rate instructors in the context of small group sessions. Small classes will allow abundant opportunities for dialogue with the instructors and with the other honors students. From such experiences honors students should further develop their communication skills, problem solving abilities, and analytic reasoning abilities. Development of these skills and abilities should make students especially attractive to employers when they seek to enter the job market or graduate and professional schools, should they choose to further their education beyond the four-year degree.

The criteria for selection to the Honors Program are a high school cumulative grade point average of at least 3.5 on a 4.0 scale, completion of the Kentucky pre-college curriculum or equivalent, and a composite score on the American College Test (ACT) of at least 26 with no individual subject score below 21. Students who do not meet these criteria may request consideration for admission by writing a letter to the director which should include specific and detailed reasons why the student believes that he/she should be admitted to the Honors Program. Students who are national merit semifinalists or finalists are automatically eligible for the Honors Program. Additional information can be obtained from the director by calling (859) 622-1403.

## LIBRARIES

The John Grant Crabbe Library and Thomas and Hazel Little addition, which is centrally located on the campus, contains 875,000 volumes and seats over 2,100 students. The building houses several large reading rooms as well as smaller areas for individual and group study. In addition to the main University library, the Elizabeth K. Baker Music Library is in the Foster Building and the Welford K. White Justice and Safety Library is in the Stratton Building.

The libraries provide many Web-based databases, including e.Quest, the online catalog. Most can be accessed from any campus or off-campus center (Corbin, Manchester, and Danville), and from home or remote locations. Consult the library's home page for a current list of sources and access options at <http://www.library.eku.edu>.

## TEACHING AND LEARNING CENTER

Located in the historic Keen Johnson Building, the Teaching and Learning Center (TLC) delivers, coordinates, and promotes faculty development at Eastern Kentucky University. Online and in person, the TLC provides support for ECU's talented and dedicated professors. Helping ECU's excellent teachers become even better teachers is a central TLC goal. Ultimately, it is ECU students who benefit from the TLC's work, as they experience the enriched learning environments created by ECU's exemplary--and always developing--teaching faculty.

## THE OFFICE OF ENROLLMENT MANAGEMENT

**Dr. Aaron Thompson,**  
Associate Vice President for  
Enrollment Management  
Student Services Building, Room 340  
(859) 622-3047

The Office of Enrollment Management coordinates two kinds of activities: undergraduate academic support activities and academic programs that seek to benefit the entire undergraduate student body.

Academic support is provided at various stages of students' careers by the Offices of Admissions, Academic Advising, Academic Testing, Developmental Education, the Registrar, the Student Athlete Academic Success Center, and Student Financial Assistance. In addition, the Office programs and maintains the CARES (degree audit) system of the University.

Academic programs benefitting all undergraduates include the general education and developmental programs.

For courses in Career Counseling and Interpersonal Effectiveness (GCS), Student Development (GSD), Orientation for Undeclared Students (GSO), and Honors (HON), see the Course Description Section of this *Catalog*.

**STUDENT SUCCESS INSTITUTE**

The Student Success Institute focuses on the student's total environment by enlisting help from the family, the community, and the entire campus. The Institute is dedicated to serving students by having a strong coordination of existing programs and departments and creating new programs and departments. The major emphasis of the Institute is retention of the student body.

**ACADEMIC ADVISING**

The Office of Academic Advising is responsible for providing administrative support to and coordination of the University's undergraduate advising system. Every Eastern Kentucky University undergraduate is assigned an advisor. Selected departmental faculty serve as advisors to students with declared majors; other faculty and professional advisors serve as advisors for undeclared and developmental students.

In conjunction with the Office of First Year Programs, the Office is responsible for the Orientation Program. Over 2,500 freshmen and transfer students are advised and registered each summer through this program.

**ADMISSIONS**

The Office of Admissions is responsible for recruitment and admission of qualified students to ECU. This office is also responsible for the processing of applications for new as well as readmitted students and international students. Students who have questions regarding their residency status may address their inquiry to the Office of Admissions ([admissions@eku.edu](mailto:admissions@eku.edu)).

**ACADEMIC TESTING**

The Office of Academic Testing is responsible for the coordination, administration, and planning of academic tests that are requested by the University and educational community. Eastern Kentucky University functions as a national test center site for such organizations and companies as the American College Test (ACT), The Psychological Corporation, The College Board, Chauncey Group International, Educational Testing Service, Law School Admission Council, National Commission for Health Education Credentialing, and the Professional Examination Service. Some of the national tests administered by the Office of Academic Testing include: the ACT, Miller Analogies Test, National Council for Therapeutic Recreation Certification, Law School Admission Test, Certified Occupational Therapy Assistant and Occupational Therapist Registered exams, Certified Health Education Specialist Exam, Adult and Family Nurse Practitioners, and subject tests for the Graduate Record Examination (GRE). State education certification tests, such as the Kentucky Speciality Test of Interdisciplinary Early Childhood Education and the Kentucky Speciality Test of Instructional and Administrative Practices, are administered by the College of Education.

Other tests administered by the Office of Academic Testing are: the University Writing Requirement, residual ACT, College-Level Examination Program (CLEP)<sup>®</sup>, departmental credit-by-examination tests, and University placement tests.

Testing services are provided to assist ECU students and other registered examinees in fulfilling university, state, academic program, certification, and personal career goals. For additional information concerning testing services, please visit the website at [www.testing.eku.edu](http://www.testing.eku.edu).

**DEVELOPMENTAL EDUCATION**

The Developmental Education program helps students achieve academic success by developing or enhancing skill level proficiencies for life-long learning. The program focuses on reading, writing, mathematics, and the skills needed for success in college-level courses. Students must demonstrate basic skill proficiencies in the areas of reading, writing, and mathematics as determined by ACT, SAT or placement test scores. Before confronting a rigorous academic program, students identified through testing as needing additional help in these basic skill areas are required to enroll in developmental courses designed to improve their skills. For transfer students, the University will also consider transfer course work in determining basic skill proficiencies. Additional information about the developmental program can be found at [www.enrollment.eku.edu/studentsuccess/develop.php](http://www.enrollment.eku.edu/studentsuccess/develop.php).

***First Step to College Success Program***

The *Division of Enrollment Management* established the *First Step to College Success* program to address the needs of students placed into developmental courses in mathematics, writing, and/or reading and study skills. In the past, students with such needs have had difficulty successfully completing their degrees in colleges and universities across the country. This program represents the first step to success in college by helping such students build the academic skills needed for a successful college experience.

The program provides intensive instruction in the core areas of reading, writing, and mathematics. Enrichment courses in the program integrate study and test-taking skills with an orientation to the resources offered by the University. Extensive tutorial support from trained and experienced tutors is an integral part of the program. Students admitted to the program study together to form a collaborative learning community characterized by mutual assistance and encouragement. Upon successful completion of the program, students begin taking college-level courses that will lead to academic degrees while completing other developmental requirements, if needed.

Students are selected for the program based on developmental needs. The program has been specifically designed for students entering the University with two or more developmental requirements and students admitted to the University in the Special Admissions category.

**FINANCIAL ASSISTANCE**

Financial assistance is available to help students offset the cost of their college education. There are five types of financial aid: grants, loans, employment, entitlements, and scholarships. The grants, loans, and federal work study programs are need-based. To determine how much money and for which programs the student qualifies, he/she must complete the Free Application for Federal Student Aid each year.

Entitlements include resources from the Veterans Administration and Vocational Rehabilitation. Scholarships are awarded from the University as well as outside sources. For information regarding entitlements, students should contact the Division of Student Financial Assistance at (859) 622-2361. This office can guide the student to the proper source depending on the type of entitlement or scholarship the student is interested in pursuing.



For scholarship information, students should contact the Scholarship Office in the Student Services Building, Room 129 (859) 622-8032.

The Division of Student Financial Assistance deals primarily with need-based federal programs: grants, loans, and employment. For more information, please see the "Guide For Meeting Your Educational Expenses." Call the Division of Student Financial Assistance at (859) 622-2361 to request a copy.

### **REGISTRAR**

The Office of the Registrar is responsible for services which assist students, alumni, and University personnel with the preparation of the schedule of classes, the enrollment of students, the preparation, maintenance, security and delivery of the academic records of the University, the preparation of enrollment and athletic reports as required, the preparation of the commencement exercises and with diploma delivery, the academic honors program, the dean's award, the administration of the minimum scholastic standards policy of the University, and maintaining room assignments for all classes.

Continuing students should report to the Office of the Registrar for the following assistance: transcripts; completion of insurance, governmental, and bank loan forms; class standing; military credit evaluation; name/address changes; and information concerning the academic standards and academic honors programs.

### **STUDENT-ATHLETE ACADEMIC SUCCESS CENTER**

The Student-Athlete Academic Success Center is an academic support program for all student athletes competing on NCAA varsity teams on EKU's campus. The Center provides opportunities and services to enhance the student-athlete's academic performance. These programs include academic monitoring, peer mentoring, academic advising, supervised studying and tutoring, and personal counseling, as well as referral to other academic support programs on campus. Each student-athlete's academic progress is monitored closely, throughout their EKU enrollment, to aid in their being able to graduate with the highest grade point average possible, as well as to sustain their NCAA academic eligibility.

### **STUDENT EMPLOYMENT**

Eastern Kentucky University offers its students two employment programs. One is the federal work study program which provides part-time jobs to students who have financial need as determined by the Application for Federal Student Aid. This program is federally funded. The other is the EKU institutional work program. Eastern Kentucky University provides funds to employ students who want to work on-campus, but do not qualify for the federal work study.

Both of these programs employ students on a part-time basis paying federal minimum wage. Students are paid every two weeks for the hours they have worked. Their job schedule is built around their class schedule. A variety of jobs are available including typing, filing, farm work, food service, resident hall assistants, tutorial work, as well as community service jobs. Contact EKU's Student Employment Office for more information at Student Services Building (SSB), Room 219, hours 8:00 a.m. - 5:00 p.m.; phone (859) 622-1760 or 622-1756.

## **THE OFFICE OF UNIVERSITY PROGRAMS**

**Dr. Elizabeth Wachtel,  
Associate Vice President for  
University Programs  
Coates 210  
(859) 622-2222**

The Offices of Cooperative Education, International Education, Natural Areas, Sponsored Programs, and Women's Studies report to the Associate Vice President for University Programs. In addition, Education Pays Center, Educational Talent Search, English Language Instruction Program (EELI), the McNair project, Student Support Services (NOVA), and Upward Bound report to the office.

### **COOPERATIVE EDUCATION/APPLIED LEARNING**

Cooperative Education/Applied Learning provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

Eligibility to participate in cooperative education/applied learning is determined by the faculty coordinator in the department of the student's major. Prior to enrolling in cooperative education/applied learning, students should normally have completed 30 credit hours. Transfer students should have completed one semester at EKU before applying for cooperative education. All students must have at least a 2.0 grade point average when applying for cooperative education, however, this may vary depending on the departmental requirements.

Acceptance of a co-op/applied learning position for academic credit is contingent upon a suitable training plan through an agreement with the employer.

The amount of credit a student may earn is determined by the academic college or department involved. The University requires a minimum of 80 hours of employment for each semester hour of academic credit, but all students must work the entire course of the semester (16 weeks spring and fall semesters and 12 weeks in the summer). The salary for each position must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education/applied learning only when the student is enrolled in the University and in the cooperative education program. A maximum of eight semester hours may be applied toward meeting graduation requirements for the associate degree, and a total of sixteen hours toward the bachelor's degree. Cooperative education/applied learning credit for students pursuing a second undergraduate degree will be determined by the academic department. Total credit hours for a graduate degree are determined by the department involved.

The student will be assigned a supervisor by the employer to provide direction and coordination on the job. The supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the faculty coordinator.

Although the supervisor will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.



To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure to experiences related to the student's career goals and the nature of the training site. The student should, however, realize that he/she is a full-time or part-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties of the student.

The majority of EKU co-op students utilize the parallel plan allowing students to work part-time for multiple semesters (three or more semesters) while maintaining a full-time course load. However, some co-op students may also be employed full-time, alternating classroom training with work-based training for a period of two or more semesters, following the employer's schedule. In addition, students may work full-time during the summer semester (twelve weeks), but must also work in their co-op position during the fall and/or spring semesters. Special plans may also be developed to meet the needs of the student and employer. The student will in most instances return to the same location for each cooperative education experience. A student may however, occasionally be allowed to work for several employers in varying situations as long as the work experience is related to the student's career goals and those of the program.

A student participating in the Applied Learning program must meet the same standards of the Co-op Program; however, students in this program may only work one semester: work in a non-paid assignment; or in an assignment that does not meet the Cooperative Education multiple term requirements.

For additional information, contact the Co-op Office at (859) 622-1296, e-mail us at [coop@eku.edu](mailto:coop@eku.edu), or check out the Co-op website at [www.coop.eku.edu](http://www.coop.eku.edu).

### **EDUCATION PAY\$ CENTER**

The Education Pay\$ Center is funded by the Kentucky Cabinet for Families and Children to assist qualifying students to develop academic skills, explore careers, and acquire job skills. The Education Pay\$ Center's office is located at Weaver 202; the phone number is (859) 622-6684.

### **INTERNATIONAL EDUCATION AND FOREIGN STUDENT ADVISING**

There is a growing awareness of the need for greater international and inter-cultural understanding. The University provides assistance to international students and visitors and attempts to foster a greater commitment and involvement in international education throughout the institution.

Eastern Kentucky University has approximately 200 international students studying at both the undergraduate and graduate levels. These students represent approximately 50 nations. The Coordinator of International Services serves as designated University official to assist all international students with their legal requirements and their relations with the U.S. Bureau of Citizenship and Immigration Services and other official agencies. The Coordinator also advises and assists international students with other needs as they arise. The Director of International Education facilitates international ventures and exchanges across the curriculum and directs arrangements for visiting faculty, scholars, researchers, and specialists from other countries. The Director of ESL maintains the Eastern Kentucky University English Language Instruction program (EELI), a pre-college course in English as a Second Language.

Some inter-cultural activities and services provided by the Division of International Education include an orientation for new students, international dinners, international students' organizations and an International Speakers' Bureau. The Division also awards scholarships to international students each semester.

The Division of International Education also promotes the Eastern Kentucky University Study Abroad programs for American students and faculty. Current information on international study, travel, and exchange programs is available from the Director of Study Abroad. The University participates in two study abroad programs: (1) Cooperative Center for Study Abroad (CCSA) offers programs in English-speaking countries abroad; summer and winter programs (2 1/2 to 4 1/2 weeks), semester-long programs and internships. Currently, programs are offered in Australia, Barbados, Belize, England, Ireland, Kenya, Scotland, Singapore, and South Africa. (2) Kentucky Institute for International Studies (KIIS) offers program in non-English-speaking countries abroad; a variety of summer (5 weeks) and semester-long programs are offered. Currently, programs are offered in Austria, Brazil, Cameroon, China, Costa Rica, Denmark, Ecuador, France, Germany, Greece, Italy, Japan, Mexico, Puerto Rico, Spain, and Turkey.

For more information, contact the Director of International Education, Eastern Kentucky University, 521 Lancaster Avenue, 181 Case Annex, Richmond, Kentucky 40475-3102, or call (859) 622-1478; the Director of ESL (859) 622-6370; the Director of Study Abroad (859) 622-1705.

### **NATURAL AREAS**

Eastern Kentucky University is responsible for the protection and management of three natural areas in Kentucky that serve as outdoor settings for all levels of environmental education and ecological research. These are: Lilley Cornett Woods (Letcher County); Maywoods Environmental and Educational Laboratory (Garrard County); and Pilot Knob State Nature Preserve (Powell County). The Division of Natural Areas is responsible for coordinating the research, educational programs, development, and use of these areas, and provides coordinating and consulting services on the management of natural areas owned by public agencies and private organizations. The EKU Center for Environmental Education, established in 2002, is involved in a variety of community and educational outreach programs through the University, public school districts, public schools of central and eastern Kentucky, and the Kentucky University Partnership in Environmental Education (a partnership of state universities).

Lilley Cornett Woods, the oldest and most studied protected tract of old-growth forest in eastern Kentucky, is a Registered Natural Landmark (U.S. Department of Interior). The Woods is used primarily for base-line ecological research and advanced undergraduate and graduate instruction by the University and other institutions of higher education. Public use is limited to guided tours in this unique forest.

Maywoods Environmental and Educational Laboratory is used by the University and elementary and secondary schools for environmental education. This 1700-acre forested natural area is an official State Wildlife Refuge used to attract and protect native wildlife through approved wildlife management programs. On-site facilities provided for use of Maywoods as an off-campus conference and workshop location for the University.

Pilot Knob is a Kentucky State Nature Preserve managed by the University by formal agreement with Kentucky State Nature Preserves Commission. Although used primarily for ecological

research, the 308-acre preserve is open to the general public for daytime hiking. It is located a short distance from the nationally-prominent Red River Gorge and it is a popular and scenic natural area easily accessible to central and eastern Kentucky.

The Division also provides on-campus coordination of University affiliation with the marine science program at the Gulf Coast Research Laboratory (Mississippi).

Natural areas under the supervision of the Division are available for use by the general public for passive recreation activities such as hiking and wildlife photography. For further information about the use and availability of these natural areas, please call (859) 622-1476 or visit the web site, [www.naturalareas.eku.edu](http://www.naturalareas.eku.edu).

## **TRIO PROGRAMS**

Since 1966, three of the seven TRIO projects have been operating at Eastern Kentucky University through grants awarded by the U. S. Department of Education. The Upward Bound project and the Educational Talent Search project serve middle school and high school students from the region, while Student Support Services (see NOVA Program under University Programs) serves EKU students.



### **Educational Talent Search Program**

The Educational Talent Search Program has been at Eastern Kentucky University since 1985. The goal of the program is to assist participants with post-secondary potential from designated Central Kentucky counties to continue in, and graduate from, secondary schools and to then enroll in post-secondary educational programs. Educational Talent Search assists students who want to attend post-secondary institutions by offering services related to the following areas: academic information, career materials, cultural diversity activities, financial aid program resources, and personal development activities. Educational Talent Search also offers assistance to participants in identifying additional support services. The Educational Talent Search Program offers assistance for high school completion through referrals to GED programs and local high schools. Services are also available for those who are enrolling in post-secondary institutions for the first time or for those who are returning. For more detailed information, contact the Educational Talent Search Program at (859) 622-5425 or check out the Educational Talent Search Program's website at [www.ets.eku.edu](http://www.ets.eku.edu).

### **NOVA Program (Student Support Services)**

The NOVA Program is a Student Support Services/TRIO project whose legislative purpose is to facilitate the retention and graduation of EKU learners who meet the eligibility requirements of the program. The project pre-identifies incoming freshmen for participation who demonstrate a potential for success in college and who meet the economic and/or first-generation-college-student criteria. Participants are enrolled in a specially designed Freshman Orientation class their first semester and receive a wide range of support services including: academic advising, small group and individualized learning assistance in subject areas and in general academic skills, peer mentoring, financial aid consulting, personal

consulting, and appropriate referral services. NOVA retains and graduates students at a statistically significant higher rate as compared to students from the same background. This project is located in the Turley House, second floor, and is open from 8:00 a.m. - 4:30 p.m. Monday-Friday and 8:00 a.m. - 6:00 p.m. on Tuesday.

### **Ronald E. McNair Postbaccalaureate Achievement Project**

The Ronald E. McNair Postbaccalaureate Achievement Program is a federal initiative funded through the U.S. Department of Education. The McNair Project at Eastern Kentucky University opened in October 2003. The project prepares select undergraduate participants for doctoral studies through involvement in research and other scholarly activities. McNair participants are from disadvantaged backgrounds and have demonstrated strong academic potential. The project works closely with these participants through their undergraduate requirements, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. The goal of McNair is to increase the attainment of the Ph.D. by students from underrepresented segments of society.

#### **Services provided by the program include:**

- Research opportunities for participants who have completed their sophomore year of college
- Mentoring
- Seminars and other scholarly activities designed to prepare students for doctoral studies
- Summer internships
- Tutoring
- Academic counseling
- Assistance in obtaining student financial aid
- Assistance in securing admission and financial aid for enrollment in graduate programs

### **Upward Bound Program**

The Upward Bound Program has been at Eastern Kentucky University since 1965. The program selects students with college potential in order to improve their academic skills and provide them with the motivation necessary to succeed in college. Students are chosen from ten high schools in the nine counties of Casey, Estill, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe. To be eligible, students must be first generation (neither parent can have a college degree) or their family income must meet federal guidelines. Students start the three year program during their sophomore and junior years of high school. Tutoring sessions and on-campus meetings are held during the school year to provide academic assistance as well as financial aid and college admission information. During the summer, a six week residential program includes academic classes, cultural and educational trips, plus social and recreational activities. Tutor advisors (college students) are employed to live in the residence halls with the students to assist them individually with their studies and other program activities. Interested students from the above counties should contact their high school guidance counselor or write to the Director, Upward Bound Program, Eastern Kentucky University, 500 Begley Building, 521 Lancaster Avenue, Richmond, Kentucky, 40475-3102, or call (859) 622-1080. E-mail: [milly.burkhart@eku.edu](mailto:milly.burkhart@eku.edu).

## THE OFFICE OF UNIVERSITY DIVERSITY

**Sandra Moore,  
Special Assistant to the Provost for  
University Diversity  
Student Services Building, Room 442  
(859) 622-6587**

The University Diversity Office is a campus wide resource that facilitates the diversity initiatives of the University to promote a climate and culture that respects and celebrates diversity. A significant responsibility of the office is for the recruitment and retention of a diverse student, faculty and staff population.

The Special Assistant to the Provost for University Diversity plays a leadership role in facilitating and implementing the University's diversity goals and is a key advisor to the President, administration and faculty regarding policies, programs and initiatives that are responsive to our commitment to diversity.



# College of Arts and Sciences

**Dr. Andrew Schoolmaster, Dean**  
**Roark 105**  
**(859) 622-1405**

**Dr. Gary Kuhnhehn, Associate Dean**  
**Roark 106**  
**(859) 622-8140**

**Dr. Tom Otieno, Assistant Dean**  
**Roark 109**  
**(859) 622-1393**

**[www.cas.eku.edu](http://www.cas.eku.edu)**

The College of Arts and Sciences offers baccalaureate and masters programs in a wide range of disciplines encompassing the arts, the humanities, the social and behavioral sciences, and the natural and mathematical sciences. The college also offers associate degrees in paralegal studies and science for engineering; preprofessional programs in engineering, forestry, optometry, pharmacy, and medical sciences; and certificate programs in French, German, Japanese, and Spanish. The College of Arts and Sciences also is principally responsible for the University's general education program through which all University students are provided the opportunity to develop the skills, the knowledge, and the discernment essential to the full development of each person as an individual and as a member of society.

Through its many disciplines the College of Arts and Sciences strives to provide all students an excellent education with the most complete and current resources; to provide service to the University and to the community through its academic programs, through such facilities as the Hummel Planetarium and Psychology Clinic, and through the professional development and cultural opportunities sponsored by the College; and to encourage and support research and scholarship in all the disciplines included in the College.

## **DEGREES OFFERED**

The College of Arts and Sciences offers the following baccalaureate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Social Work, and Bachelor of Individualized Studies. The Associate of Arts is offered in Paralegal Studies and the Associate of Science in Science for Engineering.

## **COLLEGE DEGREE REQUIREMENTS**

General University degree requirements as set forth in Section Four of this *Catalog* as well as specific course requirements set forth in the descriptive curricula must be met by students completing programs administered by the College of Arts and Sciences. All students graduating with majors in the College of Arts and Sciences must have a 2.0 GPA in the major exclusive of any supporting courses. Students pursuing a minor in the College must have a minimum 2.0 GPA in the minor. At least twenty five

percent of the courses in the major must be taken at Eastern Kentucky University. In addition, individual programs may have specific requirements that exceed College requirements. Students should consult with an advisor or department chair to learn the particular requirements of a program.

## **Affiliated Activities and Resources**

### **GULF COAST RESEARCH LABORATORY**

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

Courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the departments of Biological Sciences, Chemistry, and Earth Sciences and in the Division of Natural Areas.

### **SCIENCE LEARNING RESOURCE CENTER**

The Science Learning Resource Center (SLRC), a division of the College, was established for the purpose of enhancing what the student learns in the classroom via a diverse number of innovative uses of audio-video and computer assisted instruction. Instruction is on an individualized basis and is an extension of the natural and mathematical sciences courses and research efforts. The SLRC, located in the Memorial Science Building, presently contains microcomputers, printers, a plotter, a scanner, a small science library, and audio-video equipment and provides students with computer assisted instruction, computer simulations, and audio-video presentations.



## Pre-Professional Curricula

### PRE-ENGINEERING CURRICULA

There are two pre-engineering curricula offered by the College of Arts and Sciences.

In the first curriculum, referred to as the **Two-Two Curriculum**, students spend two years at EKU and study basic science, mathematics, and courses for their basic education. Students then transfer their credits to the engineering school of their choice. Students can usually complete a degree in engineering after two years of course work at the engineering school.

#### TWO-TWO CURRICULUM

**Major Requirements** ..... 30 hours

PHY 201, 202, MAT 124\*, 224, 225, CHE 111, 112.

**Supporting Course Requirements** ..... 9 hours

PHY 221, TEC 190 and an approved programming language.

**General Education Requirements** ..... 24 hours

Six hours of English composition, 18 hours selected from the humanities and social sciences to satisfy general education requirements at the chosen engineering school.

**University Requirement** ..... 1 hour

ASO 100.

**Total Curriculum Requirements** ..... 64 hours

\*A preparatory course (MAT 109) may be required before admission to MAT 124.

#### THREE-TWO CURRICULUM

In the second curriculum - the **Three-Two Curriculum** - students spend three years at EKU and then take two years of work in engineering at the University of Kentucky or Auburn University and earn a baccalaureate degree from EKU in physics or chemistry and an engineering degree from the engineering school. The additional year spent at EKU allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of the University of Kentucky and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy or Department of Chemistry. A program representative of the first two years is given in the **Two-Two Curriculum** above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

A third option available to a student would be to complete requirements for a baccalaureate degree in physics or chemistry at EKU and then to apply to a graduate school in engineering for admission and graduate studies.

### PRE-FORESTRY CURRICULUM

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first three years of their work at EKU and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

**Major Requirements** ..... 26 hours

BIO 121, 131, 141, 315, 328, 335, 536.

**Supporting Course Requirements** ..... 41 hours

AGR 215, CHE 111, 112, CON 221, CSC 174, ENG 300, GLY 108, TEC 190, MAT 124\*, PHY 131; SPE 100 or 300; STA 215 or 270.

**General Education Requirements** ..... 29 hours

Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16, 20 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... 1 hour

ASO 100.

**Free Electives** ..... 12 hours

**Total Curriculum Requirements** ..... 110 hours

\*A preparatory course (MAT 109) may be required before admission to MAT 124.

### PRE-OPTOMETRY CURRICULUM

Students desiring to enter the competition for admission to an optometry school must complete a minimum of three years of pre-optometry courses and most schools require the student to earn a baccalaureate degree before applying. The application deadline for optometry schools is usually in December. Students must also achieve a high score on the Optometry Admissions Test. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Most optometry schools require four years for the O.D., and several universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following.

**Major Requirements** ..... 32 hours

BIO 121, 141, 320, CHE 361, 362, 366, 367, PHY 131, 132.

**Supporting Course Requirements** ..... 19 hours

MAT 109, 124, 224; PSY 200; STA 270.

**General Education Requirements** ..... 23 hours

CHE 111, 112, six hours of English composition, six hours social science, HPR 180, 282.

**University Requirement** ..... 1 hour

ASO 100.

**Total Curriculum Requirements** ..... 75 hours

Most optometry schools have established quotas on the number of students that they will accept from each state. Because of this limitation, students must be accepted by the school of optometry and be certified as a resident of the state in which they live. Present circumstances are such that Kentucky residents will stand the best chance for acceptance at Indiana University, the University of Alabama, and Southern College of Optometry at Memphis, which have contracts with the Commonwealth of Kentucky. Approved students are exempt from the out-of-state tuition charge at the above schools.

For residents in Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the three contract schools listed above. A Certificate of Residency will be

needed which may be secured from the Executive Director, Council on Postsecondary Education, Frankfort, KY 40601. Students from other states should make application to the equivalent board in their state. For further information, the student should consult with the Pre-Medical Science Advisor.

### PRE-PHARMACY CURRICULUM

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the curriculum should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

<b>Major Requirements</b> .....	<b>27 hours</b>
BIO 141, 171, 320, CHE 111, 112, 361, 362, 366, 367.	
<b>Supporting Course Requirements</b> .....	<b>17 hours</b>
ECO 230, MAT 124*, PHY 131, 132.	
<b>General Education Requirements</b> .....	<b>27 hours</b>
Six hours of English composition; 21 hours towards the general education requirements at the chosen pharmacy school.	
<b>University Requirements</b> .....	<b>1 hour</b>
ASO 100.	
<b>Total Curriculum Requirements</b> .....	<b>72 hours</b>

\*A preparatory course (MAT 109) may be required before admission to MAT 124.

### PRE-MEDICAL SCIENCES

Students who have career interests in medicine, dentistry, osteopathic medicine, or podiatry may fulfill general admission requirements of specific professional schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Science (Biochemistry Option) degree in Chemistry. Students pursuing degrees in either department will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students interested in medical fields are assigned to a pre-medical sciences advisor. These advisors work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen professional school.

#### Biology (B.S.)

<b>Major Requirements</b> .....	<b>35-36 hours</b>
BIO 121, 131, 141, 315, 316, 320; 328 or 348; 490, 514, one elective in biology at the 300-500 level.	
<b>Supporting Course Requirements</b> .....	<b>32-33 hours</b>
CHE 111, 112, 361, 366, 362 and 367; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.	
<b>General Education Requirements</b> .....	<b>34 hours</b>
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. PSY 200 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	

<b>Free Electives</b> .....	<b>19-27 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

\*A preparatory course in mathematics may be required before admission to calculus.

#### Chemistry (B.S.) Biochemistry Option

<b>Major Requirements</b> .....	<b>41 hours</b>
<b>Chemistry Core</b> .....	<b>28 hours</b>
CHE 111, 112, 325, 361, 362, 366, 367, 471, 472, and 473.	
<b>Biochemistry Option</b> .....	<b>13 hours</b>
CHE 480, 481, 525, 530, 531, and 532.	
<b>Supporting Course Requirements</b> .....	<b>34 hours</b>
BIO 121; BIO 131 or 141; 315 or 320; MAT 124, 224, 225; PHY 201, 202.	
<b>General Education Requirements</b> .....	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 13, 14, 15, 16, and 21. PSY 200 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Free Electives</b> .....	<b>21 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

Strongly suggested electives include Histology (BIO 547), Embryology (BIO 546), and Animal Physiology (BIO 348).

### PRE-VETERINARY MEDICINE

Students who have career interest in veterinary medicine may fulfill general admission requirements of specific veterinary schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Arts degree in Chemistry. Students pursuing degrees in either department will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students will be assigned to a pre-veterinary advisor. This advisor will work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen school of veterinary medicine.

#### Biology (B.S.)

<b>Major Requirements</b> .....	<b>35-36 hours</b>
BIO 121, 131, 141, 315, 316, 320; 328 or 348; 490, 514, or elective in biology at the 300-500 level.	
<b>Supporting Course Requirements</b> .....	<b>32-33 hours</b>
CHE 111, 112, 361, 366, 362 and 367; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.	
<b>General Education Requirements</b> .....	<b>34 hours</b>
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Free Electives**</b> .....	<b>19-27 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

\*A preparatory course in mathematics may be required before admission to calculus.

\*\* Properly selected electives will allow a student to complete pre-veterinary medicine training.

### Chemistry (B.A.)

<b>Major Requirements .....</b>	<b>30 hours</b>
CHE 111, 112, 325, 361, 362, 366, 367, 470, six hours of upper division chemistry electives.	
<b>Supporting Course Requirements .....</b>	<b>13-14 hours</b>
MAT 124* or 261*; PHY 131 or 201; PHY 132 or 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, 547 as free electives.	
<b>General Education Requirements .....</b>	<b>40 hours</b>
Standard General Education program, excluding course categories 14, 15, 16 and 21. PSY 200 is substituted for Health 281 for pre-medical and pre-dental students. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives** .....</b>	<b>41-44 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

\*\* Properly selected electives will allow a student to complete pre-veterinary medicine training.

### AFRICAN/AFRICAN-AMERICAN STUDIES

African/African-American Studies is an undergraduate interdisciplinary program that explores the histories, societies, and cultures of Africans and people of African descent in the Americas. Courses will be offered from a broad range of disciplines, including the arts and humanities (English, History, Music, Philosophy and Religion), social sciences (Political Science, Economics, Geography, Foreign Languages, Sociology, Psychology, Criminology), and health sciences (Environmental Health, Nursing).

### Minor

#### MINOR IN AFRICAN/AFRICAN-AMERICAN STUDIES

A student may complete a minor in African/African-American Studies by taking 18 hours as indicated below.

<b>Core Requirements .....</b>	<b>6 hours</b>
AFA 201, 202.	
<b>Electives .....</b>	<b>12 hours</b>
Six hours from the following courses: CRJ 345; ECO 395; EHS 225; ENG 342; HIS 305, 385, 386, 387, 507; MUS 250, 254*, 285*, 454*; POL 345; SOC 400, 463. The following courses can also be taken with the program Advisor's approval: ANT 435; ENG 200, 347, 550; FCC 210, 226; GEO 300, 347, 498; HIS 300, 312; PHI 390; PSY 400, 495; SOC 345.	
<b>Total Curriculum Requirements .....</b>	<b>18 hours</b>

\*Advanced; Prerequisites required.

### Certificate

#### CERTIFICATE IN AFRICAN/AFRICAN-AMERICAN STUDIES

A student may complete a certificate in African/African-American Studies by taking 12 hours as indicated below.

<b>Core requirements .....</b>	<b>6 hours</b>
AFA 201, 202.	
<b>Electives .....</b>	<b>6 hours</b>
Six hours from the following courses: CRJ 345; ECO 395; EHS 225; ENG 342; HIS 305, 385, 386, 387, 507; MUS 250, 254*, 285*, 454*; POL 345; SOC 400, 463. The following courses can also be taken with the program Advisor's approval: ANT 435; ENG 200, 347, 550; FCC 210, 226; GEO 300, 347, 498; HIS 300, 312; PHI 390; PSY 400, 495; SOC 345.	
<b>Total Curriculum Requirements .....</b>	<b>12 hours</b>

\*Advanced; Prerequisites required.

### DEPARTMENT OF ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

#### Chair

Dr. Steven Savage  
(859) 622-1644  
Keith 223

#### Faculty

M. Allen, A. Banks, P. Black, K. Carmean, J. Curra,  
M. Goldstein, M. Gore, M. Huff, P. Johnson, S. McSpirt,  
M. Miranda, P. Moore, P. Paolucci, D. Smith, E. Underwood,  
R. Welch, and P. Winther

#### Social Work Program

To major in social work a student must declare social work as a first major. To enroll in either of the practicum courses, SWK 390 or SWK 490, a student is required to complete the prerequisites for the specific course; maintain a cumulative grade point average of 2.25; attain a minimum grade of "C" in each course specified for the major and supporting courses; and apply for admission to the specific practicum course the semester prior to enrollment. For additional information, contact the practicum instructor.

#### ADMISSION

Any student who is accepted by the University Admissions Office and declares their major as social work will be admitted as a pre-social work major. Admission to pre-social work does not guarantee admission to the Professional Social Work Program. For admission requirements and procedures see the Program Director.



**Baccalaureate Degrees****ANTHROPOLOGY (B.A.)***CIP Code: 45.0201***Major Requirements ..... 33 hours**

ANT 120, 201, 210, 211, 350, and eighteen hours selected from four of the following five categories:

Archaeology: ANT 353, 355, 357, 360, 439, 470 or equivalent;

Cultural Anthropology: ANT 325, 340, 375, 390, 395, 399, or 415;

Cultural Area Course: ANT 330, 331, 333, 360, or 435;

Linguistics: ANT 310;

Physical Anthropology: ANT 365, 380, or 385;

ANT 590 will be classified where appropriate.

**General Education Requirements ..... 52 hours**

Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ASO 100.

**Free Electives ..... 42 hours****Total Curriculum Requirements ..... 128 hours****SOCIAL WORK (B.S.W.)***CIP Code: 44.0701***Major Requirements ..... 45 hours**

SWK 210, 225, 310, 311, 335, 350, 354, 355, 358, 360, 390, 410, and 490.

**Supporting Course Requirements ..... 15 hours**

POL 101, PSY 200, SOC 131, 232, and 400.

**General Education Requirements ..... 46 hours**

Standard General Education program, excluding course categories 09 and 12. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ASO 100.

**Free Electives ..... 21 hours**

To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from anthropology, child development, economics, health, foreign language, law enforcement, political science, psychology, recreation, sociology, special education, and speech.

**Total Curriculum Requirements ..... 128 hours****SOCIOLOGY (B.A.)***CIP Code: 45.1101.01***Major Requirements ..... 30 hours**

SOC 131, 232, 395, 461, a minimum of three hours from SOC 420, 460, 463, or 470; and 15 hours of sociology electives, 12 of which must be upper division hours.

**General Education Requirements ..... 52 hours**

Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ASO 100.

**Free Electives ..... 45 hours****Total Curriculum Requirements ..... 128 hours****Minors****MINOR IN ANTHROPOLOGY**

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201; ANT 210 or 211; and nine hours of upper division anthropology electives.

**MINOR IN DEVIANCE/CRIMINOLOGY**

A student may minor in Deviance/Criminology by completing the following courses: SOC 131, SOC 313, SOC 340, SOC 375, and nine hours from ANT 380, FOR 301, HEA 345, CRJ 325, PSY 308, or SOC 347. Note that some of the required and elective courses have prerequisites.

**MINOR IN SOCIAL WELFARE**

A student may minor in social welfare by completing the following courses: SOC 131; SWK 210, 310, and 311; three hours from POL 341, 370, 371, or 374; and six hours from SWK 410, 456, 457, SOC 313, 340, 353, 365, 410, 420, 450, PLA 220, ECO 130, 231, or 365.

**MINOR IN SOCIOLOGY**

A student may minor in sociology by completing the following courses: SOC 131 and 15 hours of sociology electives, 12 of which must be upper division. Three hours of upper division anthropology may be applied to the 15 hours.

**Certificate****CERTIFICATE IN PUBLIC CHILD WELFARE**

The Public Child Welfare Certification Program requires an application and interview process, practicum experiences in public welfare agencies, post graduation work commitment and maintenance of a 3.0 GPA in social work courses. In addition to the BSW degree requirements students must complete SWK 450.

See the Social Work Program Director for more complete information on the application and requirements for the Public Child Welfare Certification Program.



## DEPARTMENT OF ART AND DESIGN

### Acting Chair

Mr. Edward C. Hale  
(859) 622-1629  
Campbell 309

### Faculty

D. Afsah-Mohallatee, D. Halbrooks, E. Hale, B. Kurzinger,  
J. Molinaro, M. Ramsey, E. Randall, G. Smith, K. Spears,  
F. Szorad, and M. Tortorici

### Baccalaureate Degrees

#### **ART (B.A.)**

*CIP Code: 50.0702*

<b>Major Requirements</b> .....	<b>79 hours</b>
<b>Studio Foundations</b> .....	<b>15 hours</b>
ART 100, 101, 152, 153, and 164.	
<b>Art Core</b> .....	<b>27 hours</b>
ART 210, 220, 230, 270, 280, 390, 391, 562, and three hours art history elective.	
<b>Teacher Education Option</b> .....	<b>37 hours</b>
ART 460, EDF 103, 203, EPY 319, 413, SED 401, EME 439, ESE 540, 490, and EMS 499.	
<b>Liberal Arts Option 1:</b> .....	<b>37 hours</b>
ART 240; in consultation with Art advisor, select additional 9-12 hours of art and/or art history electives, and an appropriately related non-Art minor up to 25 hours; additional hours up to 37 may be taken as free electives.	
<b>Liberal Arts Option 2:</b> .....	<b>37 hours</b>
ART 240; select additional 9-12 hours of art and/or art history electives, and up to 25 hours of free electives.	
<b>General Education Requirements</b> .....	<b>46 hours</b>
Standard General Education program, excluding course categories 07 and 08. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Free Electives</b> .....	<b>2 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

#### **ART/STUDIO OPTIONS (B.F.A.)**

*CIP Code: 50.0702*

<b>Major Requirements</b> .....	<b>61-64 hours</b>
<b>Studio Foundations</b> .....	<b>12 hours</b>
ART 100, 152, 153, and	
<b>Interior Design:</b> DES 250.	
<b>All other areas:</b> ART 101.	
<b>Art Design/History</b> .....	<b>15 hours</b>
ART 164, 390, 391, and	
<b>Interior Design:</b> DES 327, 328.	
<b>All other areas:</b> ART 562, and three hours art history electives.	
<b>Core</b> .....	<b>19 hours</b>
ART 499, and	

**Interior Design:** DES 122, 225, 325, 330, 421\*\* (6 hours).

**All other areas:** ART 210, 220, 230, 240, 270, and 280.

**Major Studios\*** ..... **15-18 hours**

**Ceramics 3D:** ART 371, 372, 472, 473, and 474.

**Graphic Design:** DES 250, 350, 351, 453, and 454

**Interior Design:** DES 222, 226, 322, 326, 422, and 426.

**Jewelry and Metals 3D:** ART 341, 343, 344, 443, and 444.

**Painting 2D:** ART 312, 313, 314, 413, and 414.

**Photography 2D:** ART 381, 382, 383, 483, and 484.

**Printmaking 2D:** ART 331, 332, 333, 432, and 434.

**Sculpture 3D:** ART 321, 322, 323, 423, and 424.

**Supporting Course Requirements** ..... **15-18 hours**

**Graphic Design:** DES 251, 252, 254, 353, 452, and 3 hours advisor-approved electives.

**Interior Design:** ADM 302; CON 250; TEC 331; INT 195 and 3 hours advisor-approved electives.

**All other areas:** 9 hours of ART/DES electives, 3 hours advisor-approved elective, and

**2D majors:** 6 hours outside major studios from ART 312, 331, or 381.

**3D majors:** 6 hours outside major studios from ART 321, 341, or 371.

**General Education Requirements** ..... **46 hours**

Standard General Education program, excluding course categories 07 and 08. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... **1 hour**

ASO 100.

**Total Curriculum Requirements** ..... **128 hours**

\*Probationary candidacy and eventual advanced study for the BFA is conditional upon meeting qualifications and having a portfolio reviewed no earlier than the fourth semester (transfers must have 24 hours in Art and/or Design). Students wishing to pursue the BFA degree should consult with a departmental advisor to obtain a copy of the "Entrance Criteria and Degree Requirements for the BFA in Art and Design" in effect for their area at the time of their initial application for admission to the program.

\*\*Students not meeting the requirements for DES 421 will take other ART/DES electives or repeat ART/DES required courses.

### Minors

#### **MINOR IN ART (ART HISTORY)**

A student may minor in art history by completing a minimum of 18 hours as follows: ART 390, 391, 562 and nine hours of art history electives.

#### **MINOR IN ART (STUDIO)**

A student may minor in art studio by completing a minimum of 18 hours as follows: ART 100, 152, 153; 390 or 391; and six hours of art electives.

#### **MINOR IN ART (TEACHING)**

A student may minor in art (teaching) by completing a minimum of 24 hours as follows: ART 100, 152, 153, 210, 390, 391, 460; EME 439 or ELE 361.

## DEPARTMENT OF BIOLOGICAL SCIENCES

**Chair**  
**Dr. Barbara Ramey**  
 (859) 622-1531  
 Moore 235

### Faculty

S. Byrd, P. Calie, R. Clark, P. Cupp, D. Eakin, C. Elliott,  
 M. Foster, R. Frederick, J. Harley, S. Harrel, C. Ivans,  
 R. Jones, T. Keefe, M. Pierce, G. Ritchison, G. Schuster,  
 W. Staddon, and S. Sumithran

### Baccalaureate Degrees

#### **BIOLOGY (B.S.)**

*CIP Code: 26.0101*

<b>Major Requirements .....</b>	<b>35-36 hours</b>
<b>Biology Core</b>	
BIO 121, 131, 141, 315, 316, 320; 328 or 348; 490, 514, and one elective in biology at the 300-500 level.	
<b>Options</b>	
<b>Aquatic Biology .....</b>	<b>15 hours</b>
BIO 525, 542, 557, 558, and one course from BIO 340, 556, 561.	
<b>Botany .....</b>	<b>15-16 hours</b>
BIO 335, 521, 598**, and two courses from BIO 522, 525, 536, 599; BIO 531 or CHE 530 and 532.	
<b>Microbial, Cellular and Molecular Biology</b> .....	<b>15 hours</b>
BIO 331, 527 or 530, 531, and at least five hours from BIO 511, 527 or 530 (must take course not taken as requirement in the option), 528, and 598.	
<b>Supporting Course Requirements .....</b>	<b>32-33 hours</b>
CHE 111, 112, 361, 366, 362 and 367; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.	
<b>General Education Requirements .....</b>	<b>34 hours</b>
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>6-24 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

\*\*Must enroll for 3 hours credit.

#### **BIOLOGY/TEACHING (B.S.)**

*CIP Code: 26.0101*

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

<b>Major Requirements .....</b>	<b>35-36 hours</b>
BIO 121, 131, 141, 315, 316, 320; 328 or 348; 490, 514, one biology elective at the 300-500 level.	
Strongly recommended: completion of a minor.	
<b>Supporting Course Requirements .....</b>	<b>33-37 hours</b>
CHE 111, 112, 361, 366; 362 and 367, or 330; CSC 104; MAT 107 or 109 or 124* or 261*; PHY 131; PHY 132 or GLY 108; STA 215 or STA 270.	
<b>Professional Education Requirements .....</b>	<b>31 hours</b>
EDF 103, 203, 319, 413, SED 401, ESE 441, 498, 499.	
<b>General Education Requirements .....</b>	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Total Curriculum Requirements .....</b>	<b>133-136 hours</b>

\*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

#### **ENVIRONMENTAL STUDIES (B.S.)**

*CIP Code: 26.0603*

<b>Major Requirements .....</b>	<b>33-34 hours</b>
BIO 121, 131, 316, 320; CHE 111, 112; GLY 108 and GLY 109 and GLY 415 or GLY 504.	
<b>Supporting Course Requirements .....</b>	<b>18 hours</b>
CSC 104 or CIS 212, EHS 280, ENG 300, PHI 130, POL 374; STA 215 or STA 270.	
<b>Students Majoring in Environmental Studies must Select</b> <b>One of the Following Program Options: .....</b>	<b>12-16 hours</b>
<b>Land Resources .....</b>	<b>12-13 hours</b>
BIO 490; BIO 558 or GLY 535; BIO 521 or BIO 536; must choose 2 of the following: AGR 315 or 318; ECO 340, EHS 300, 335.	
<b>Natural History .....</b>	<b>16 hours</b>
BIO 514, 553, 554; BIO 335 or BIO 536; BIO 542 or 556 or 557; BIO 490.	
<b>Supporting Course Requirements in the</b> <b>Options .....</b>	<b>19-23 hours</b>
<b>Land Resources .....</b>	<b>22-23 hours</b>
AGR 215, CHE 325, GEO 325, 351 and 353, MAT 107 and MAT 108, or MAT 109; must choose 1 of the following: BIO 349 (3 hours), 489, CHE 495, GEO 498, GLY 398.	
<b>Natural History .....</b>	<b>19-21 hours</b>
BIO 141, 315; MAT 107 and 108, or 109; Must choose 2 of the following: ANT 350; BIO 328 or 348; BIO 335, 525, 536, 542, 556, 557, GEO 351, HIS 516.	
<b>General Education Requirements .....</b>	<b>28 hours</b>
Standard General Education program, excluding general education course categories 03, 04, 07, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>10-14 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**WILDLIFE MANAGEMENT (B.S.)***CIP Code: 03.0601*

**Major Requirements** ..... 60-62 hours  
 BIO 121, 131, 141, 316, 335, 381, 382, 489, 490, 514, 553,  
 554, 557, 584, 585, 586, 587; 558 or 561; BIO 380 or GEO  
 325.

**Supporting Course Requirements** ..... 23 hours  
 CHE 101, 102; MAT 108 or MAT 261\*; STA 215 or STA  
 270; AGR 215; GEO 351, 353.

**General Education Requirements** ..... 34 hours  
 Standard General Education program, excluding course  
 categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of  
 this *Catalog* for details on the General Education and  
 University requirements.

**University Requirement** ..... 1 hour  
 ASO 100.

**Free Electives** ..... 6-10 hours

**Total Curriculum Requirements** ..... 128 hours

\*A preparatory course in mathematics (MAT 109) may be required  
 before admission to MAT 124.

**Minor****MINOR IN BIOLOGY**

A student may qualify for a minor in biology by completing  
 21 semester hours to include BIO 121, 131, 141, and nine  
 additional hours selected from those 300 through 500 level courses  
 normally taken for one of the majors in the department.

Students may also seek a minor in biology in conjunction with  
 the completion of a teaching certificate, which will qualify them to  
 teach biology at the secondary level. Teacher certification with a  
 minor in biology requires the same 21 semester hours of course  
 work stipulated in the above paragraph.

**DEPARTMENT OF CHEMISTRY****Acting Chair****Dr. Alan Schick****(859) 622-1456****Moore 337****Faculty**

**D. Bautista, M. Brock, R. Fraas, S. Godbey, T. Otieno,  
 J. Reeder, A. Schick, W. Schulz, D. Smith, V. Stubblefield,  
 D. Vance, and L. Wilson**

**Baccalaureate Degrees****CHEMISTRY (B.A.)***CIP Code: 40.0501*

**Major Requirements** ..... 30 hours  
 CHE 111, 112, 325, 361, 362, 366, 367, 470, plus six hours of  
 upper division chemistry electives (which may include FOR  
 411).

**Supporting Course Requirements** ..... 14-54 hours

**Chemistry Option** ..... 14 hours

MAT 124\*; PHY 131 or 201; PHY 132 or 202.

**Chemistry Teaching Option\*\*:** ..... 54 hours

MAT 124\*; PHY 131 or 201; PHY 132 or 202; CNM  
 101, 102; EDF 103, 203; EPY 319, 413; SED 401; ESE  
 490, 499, 551; GLY 302.

**General Education Requirements** ..... 37-40 hours

Standard General Education program, excluding course  
 categories 14, 15, 16 and 21. Additionally, Category 13 is  
 excluded for the Teaching option. Refer to Section Four of  
 this *Catalog* for details on the General Education and  
 University requirements.

**University Requirement** ..... 1 hour

ASO 100.

**Free Electives** ..... 3-42 hours

**Total Curriculum Requirements** ..... 128 hours

\* A preparatory course in mathematics (MAT 109) may be required  
 before admission to MAT 124.

\*\*Following this curriculum and passing the appropriate standardized  
 teacher exams will lead to certification to teach chemistry at the  
 secondary education level.

**CHEMISTRY (B.S.)***CIP Code: 40.0501*

**Major Requirements** ..... 41 hours

**Chemistry Core** ..... 28 hours

CHE 111, 112, 325, 361, 362, 366, 367, 471, 472, 473  
 and must include one of the following options:

**Options**

**Biochemistry** ..... 13 hours

CHE 480, 481, 525, 530, 531, 532.

**Chemistry** ..... 16 hours

CHE 480, 481, 515, 525, 530, 550. For the program to  
 be approved by the ACS, the student must elect six  
 additional hours of advanced chemistry courses.

**Supporting Course Requirements** ..... 22-37 hours

**Biochemistry** ..... 34 hours

BIO 121; 131 or 141; 315 or 320; MAT 124\*, 224,  
 225, PHY 201, 202.

**Chemistry** ..... 22 hours

MAT 124\*, 224, 225, PHY 201, 202. A year of foreign  
 language is recommended.

**General Education Requirements** ..... 31 hours

Standard General Education program, excluding course  
 categories 03, 14, 15, 16 and 21 (chemistry) or course  
 categories 03, 13, 14, 15, 16 and 21 (biochemistry). Refer to  
 Section Four of this *Catalog* for details on the General  
 Education and University requirements.

**University Requirement** ..... 1 hour

ASO 100.

**Free Electives** ..... 21 hours

**Total Curriculum Requirements** ..... 128 hours

\* A preparatory course in mathematics (MAT 109) may be required  
 before admission to calculus.



**FORENSIC SCIENCE (B.S.)***CIP Code: 43.0106*

<b>Major Requirements .....</b>	<b>49-55 hours</b>
<b>Core Requirements .....</b>	<b>39 hours</b>
CHE 111, 112, 325, 361, 362, 366, 367, 470, FOR 301, 411, 465, 495* and must include one of the following options.	
<b>Forensic Chemistry Option .....</b>	<b>16 hours</b>
FOR 412, 451, six hours of 400 level forensic science electives, three hours upper division chemistry electives.**	
<b>Forensic Biology Option .....</b>	<b>10-11 hours</b>
BIO 315, 331 or 531; CHE 530 or 531.	
<b>Supporting Course Requirements .....</b>	<b>24-25 hours</b>
BIO 121, LAS 210 or PLS 316; MAT 124*** or 261***; PHY 131 or 201; PHY 132 or 202; STA 270.	
<b>General Education Requirements .....</b>	<b>35-38 hours</b>
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>13-18 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

Must have a cumulative GPA of 2.5/4.0 or better.

\*May be retaken to a maximum of 12 hours, but only the required six hours are counted toward the major.

\*\*CHE 330, 349 and 495 may not be used toward the upper division chemistry requirement.

\*\*\*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

**Minors****MINOR IN CHEMISTRY**

A student may minor in chemistry by completing CHE 111, CHE 112, plus an additional 12 hours of upper division chemistry.

**MINOR IN CHEMISTRY (TEACHING)**

A student may obtain a teaching minor in chemistry by completing CHE 111, CHE 112, plus an additional 12 credits of upper division chemistry.

[Note: Given the scope of the required PRAXIS exam that must be passed for a certificate extension in chemistry, the following courses are particularly recommended for students seeking a teaching minor in chemistry: CHE 325, 330, 361/366, and 470.]

**DEPARTMENT OF COMPUTER SCIENCE****Chair****Dr. Jaleh Rezaie****(859) 622-2398****Wallace 417****Faculty**

**K. Chang, D. Fields, B. Janeway, D. Morgan, C. Rhee, E. Styer, A. Tarek, C. Whitlock, K. Wong, and S. Zhang**

**Baccalaureate Degree****COMPUTER SCIENCE (B.S.)***CIP Code: 11.0101***Program Objectives**

Upon completion of this program the graduate will: (1) have a working knowledge of some common programming languages and operating systems; (2) have experience with analysis of software systems, design, documentation, and implementation techniques both as an individual and as a member of a design team; (3) have experience with analysis of hardware systems, design, and implementation techniques; and (4) be qualified for employment as a computer scientist in industry or in government. In addition, (1) graduates under the accredited general computer science option will be prepared to enter a graduate program in computer science; (2) graduates under the computer technology option will be able to take appropriate network certification examination(s), such as Microsoft Network Certification; and (3) graduates under the computer technology option will be qualified to program industrial and process control systems.

**Major Requirements .....****48-54 hours****Computer Science Core .....****42 hours**

CSC 160, 190, 191, 195, 200, 310, 312, 330, 340, 370, 440, 460 and two of CSC 300, 320, 350, 390, 400, 425, 490, 540, 545, 546 and 550 that are not required by the option.

**Options****Computer Science (General) .....****6 hours****(Accredited by the Computer Science Accreditation****Commission of the Computer Science Accreditation Board)**

CSC 320, 400.

**Computer Technology .....****12 hours**

EET 254, 302, 303, 354.

**Supporting Course Requirements .....****21-35 hours****Computer Science (General) .....****31-35 hours**

EET 252; MAT 124 or 124H; 214; 224 or 224H; STA 270. Four courses in the natural sciences which must include one biological lab science course and one physical lab science course. Two of these four courses must also be one of the following sequences: BIO 121 and one of BIO 131, 141; CHE 111, 112; GLY 108, 109; or PHY 201, 202. The other two courses must be chosen from the above sequence courses or from the following: PHY 131, 132; or any 200 level or above science course that counts toward a science major.



**Computer Technology ..... 21-22 hours**  
3 hours of CSC 349<sup>1</sup>; EET 251, 252, 253, 257, 351; one of MAT 124\*, 124H, 211\* or 261\*.

**General Education Requirements ..... 31-43 hours**  
**Computer Science (General) ..... 31 hours**  
Standard General Education program, excluding categories 03, 04, 13, 14, 15, 16 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Computer Technology ..... 43 hours**  
Standard General Education program, excluding categories 03, 04, and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
ASO 100.

**Free Electives ..... 6-17 hours**  
**Computer Science (General) ..... 10-17 hours**  
**Computer Technology ..... 6-9 hours**  
**Total Curriculum Requirements ..... 128 hours**

<sup>1</sup>Under special circumstances, a student may seek an administrative waiver of the CSC 349 requirement from the Computer Science Curriculum Committee and the department chair. Waiver recipients are required to complete three semester hours of additional course work approved by the Computer Science Curriculum Committee.

\*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

### Minor

#### MINOR IN COMPUTER SCIENCE

A student may minor in computer science by completing CSC 160, 190, 191, 195, 310, 330 and one of CSC 200, 312, or 320.

## DEPARTMENT OF EARTH SCIENCES

### Chair

**Dr. Malcolm P. Frisbie**  
(859) 622-1273  
Roark 103

### Faculty

W. Borowski, C. Dean, M. Dieckmann, R. Ewers, S. Farrar,  
R. Lierman, B. MacLaren, J. Maki, and J. White

### Baccalaureate Degree

#### EARTH SCIENCE/TEACHING (B.S.)

*CIP Code: 40.0703*

**Major Requirements ..... 30-32 hours**  
AGR 215; AST 135; GEO 215; GLY 108, 109, 303, 304, 351, and two from the following: GLY 307, 309, 408, 410, 415, 420, 512, and 550.

**Minor Requirements ..... 14-21 hours**  
A minor must be taken in an approved base teaching certificate area.

**Supporting Course Requirements ..... 17-21 hours**  
NAT 101, BIO 100, 102, or 121; CHE 100, 101 or 111; MAT 109; NAT 171, PHY 101, 102, or 131; CSC 104 or CIS 212.

**Teacher Education Requirements ..... 31 hours**  
EDF 103, 203; 319, 413; SED 401; ESE 490, 499, and 551.

**General Education Requirements ..... 34 hours**  
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
ASO 100.

**Total Curriculum Requirements ..... 128-140 hours**

#### GEOLOGY (B.A)

*CIP Code: 40.0601*

**Major Requirements ..... 32 hours**  
GLY 108, 109, 309, 311, 409, 410, 415, 420; and a minimum of three additional hours from GLY 351, 408, 490, 499, 512, 535, 540, 550, 580.

**Supporting Course Requirements ..... 21-24 hours**  
BIO 100 or NAT 101 or BIO 121; CHE 101 or 111; MAT 109 or 124; NAT 171 or PHY 101 or 131; two semesters of foreign language approved by department.

**General Education Requirements ..... 31 hours**  
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
ASO 100.

**Free Electives ..... 38-43 hours**  
**Total Curriculum Requirements ..... 128 hours**

#### GEOLOGY (B.S.)

*CIP Code: 40.0601*

**Major Requirements ..... 41 hours**  
GLY 108, 109, 309, 311, 409, 410, 415, 420, 550, and, minimum of 9 additional hours from GLY 351, 408, 490, 499, 512, 535, 540, 580. The student may elect to substitute GLY 451 or an approved six semester hour summer field camp in geology for GLY 351 and one other course.

**Supporting Course Requirements ..... 28-29 hours**  
BIO 100 or NAT 101 or BIO 121; CHE 111, 112; GEO 353 or 355; MAT 124\*, PHY 131, 132, STA 270 and some computer science are strongly recommended.

**General Education Requirements ..... 34 hours**  
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
ASO 100.

**Free Electives ..... 21-24 hours**  
**Total Curriculum Requirements ..... 128 hours**

\*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

**Minors****MINOR IN GEOLOGY**

A student may minor in geology by completing a minimum of 18 semester hours as follows: GLY 108, 109; and 309 or 410 or 415; and a minimum of 8 additional hours of upper division geology courses, excluding GLY 302, 307, and 349. Students may elect to take GLY 303 or GLY 304, but not both.

**MINOR IN EARTH SCIENCE/TEACHING**

A student may minor in earth science (teaching) by completing a minimum of 21 semester hours as follows: GLY 108, 109, 304; GEO 215; AST 135; and any two from the following: GLY 303, 307, 309, 351, 408, 410, 415, 420, and 550; or approved electives from astronomy or geography. The teaching minor in earth science must be coupled with a teaching major in biology, chemistry, computer science/mathematics, mathematics, or physics.

**DEPARTMENT OF ECONOMICS****Chair****Dr. John Wade****(859) 622-1769****Beckham 237****John.Wade@eku.edu****Faculty**

S. Dickey, J. Harter, R. Houston, J. O'Connor, F. Ruppel, and T. Watkins

**Baccalaureate Degree****ECONOMICS (B.A.)***CIP Code: 45.0601***Major Requirements ..... 33 hours**

A minimum grade of "C" is required in all courses counted towards the major.

**Economics Core ..... 21 hours**

ECO 220, 230, 231, 320, 330, 331, and 420 or 490. Majors must select an option in General Economics, Applied Economics, International Economics, or Public Policy. General Economics students must take ECO 420.

**Options ..... 12 hours****General Economics ..... 12 hours**

Twelve hours of upper division economics courses.

**Applied Economics ..... 12 hours**

ECO 300 and nine hours of upper division economics courses.

**International Economics ..... 12 hours**

ECO 394, 395, and six hours of upper division economics courses.

**Public Policy ..... 12 hours**

ECO 315, 365, and six hours from ECO 324, 333, 370, 394, 580 or 590.

**Supporting Course Requirements ..... 21 hours**

Additional supporting course requirements beyond those specified below must be approved by the advisor in consultation with the Chair of the Department of Economics.

**General Economics:** MAT 211 plus 18 hours of courses as noted above.

**Applied Economics:** MAT 107 or 211; six hours of courses as noted above; and twelve hours from a list of approved courses within specific program areas, including (but not limited to) Agriculture, Construction Technology, and Travel and Tourism.

**International Economics:** MAT 107 or 211; six hours of courses as noted above; and one of the following three alternatives: (1) twelve hours of foreign language, (2) twelve hours of area studies to be pre-approved by the advisor and the Chair, or (3) twelve hours from the core and elective courses listed in the International Studies minor.

**Public Policy:** MAT 107 or 211; POL 101, 321, 374; three hours from POL 370, 371, 377; plus six hours of courses as noted above.

**General Education Requirements ..... 49 hours**

Standard General Education program, excluding general education course category 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ASO 100.

**Free Electives ..... 24 hours****Total Curriculum Requirements ..... 128 hours****Minors****MINOR IN ECONOMICS**

A minor in economics is available to students in any college and requires completion of the following courses with a minimum grade of "C" in each course and with at least nine of the upper division hours earned at ECU: ECO 230, 231 and twelve hours upper division courses in economics.

**DEPARTMENT OF ENGLISH  
AND THEATRE****Acting Chair****Dr. Charlie Sweet****(859) 622-5861****Case Annex 467****Coordinator of Theatre Programs****James Moreton****(859) 622-1315****Campbell 306****Faculty**

E. Allameh, I. Asher, S. Bailey, G. Bedetti, H. Bennett,

J. Blythe, J. Boord-Dill, G. Brosi, H. Brown, J. Bryant,

R. Clewett, B. Cook, D. Core, J. Culross, T. Culross,

L. Day-Lindsey, M. Dean, C. Delea, D. Elias, R. Freed,

S. Garland, A. Gossage, G. Gray, M. Gunderson, A. Harnack,

S. Hill, A. Hunt, B. Hussey, K. Johnson, J. Kenkel, P. Kopacz,

P. Kristofik, S. Kroeg, J. Mace, M. MacLaren, S. Martin, M. Matheny, K. McQueen, R. Milde, J. Miller, J. Moreton, J. Morgan, M. Myers, C. Neumann, S. Nnoromele, B. Plummer, K. Rahimzadeh, P. Remaley, C. Rich, S. Robinson, K. Siahkoobi, M. Smith, Y. Smith, D. Sutton, W. Sutton, C. Sweet, B. Szubinska, H. Tracy, S. Tsiang, K. Warner, C. Whitaker, and I. White

## **Baccalaureate Degrees**

### **ENGLISH (B.A.)**

CIP Code: 23.0101

<b>Major Requirements</b> .....	<b>39 hours</b>
<b>Core</b> .....	<b>24 hours</b>
ENG 301, 302**, 350, 351, 352, 353, 410, and 474.	
<b>Options</b>	
<b>Literature Emphasis</b> .....	<b>15 hours</b>
A minimum of 15 additional upper division literature hours, three of which must be in British literature and three in American literature, nine of the hours must be at the 400 and 500 level.	
<b>Creative Writing Emphasis</b> .....	<b>15 hours</b>
A minimum of 15 additional hours selected from the following: ENG 306, 307, 406, 420, 502 or one course, for which prerequisites have been met, from the Technical Writing Emphasis.	
<b>Technical Writing Emphasis</b> .....	<b>15 hours</b>
A minimum of 15 additional hours to include ENG 300, 400, 420, 500 (may be taken twice but must include at least one practicum); 510 or one of the following crossover courses in the Creative Writing Emphasis, assuming prerequisites have been met: 306, 307, 406, 502.	
<b>Supporting Course Requirements</b>	
<b>Literature Emphasis</b> .....	<b>12 hours</b>
Six hours of a particular foreign language* or American Sign Language and six hours from the following with no more than three hours from any one group: SPE 210, 300, 310; HIS 336, 340, 345, 346; THE 390, 391; CIS 212 or CSC 104.	
<b>Creative Writing Emphasis</b> .....	<b>12 hours</b>
Six hours of a particular foreign language* or American Sign Language and six hours from the following with no more than three semester hours from any one group: SPE 320, 350; COM 201, JOU 305, 307; CIS 212 or CSC 104.	
<b>Technical Writing Emphasis</b> .....	<b>18 hours</b>
Six hours of a particular foreign language* or American Sign Language and twelve hours from any three tracks following: ACS 201, 290, 302, 480; ART 152, 356; BEM 375; CIS 212 or CSC 104, CIS 240; COM 320A (1 hour credit) and additional one-hour courses from 320B, 320E, 320G, 320H, and 320I; PMT 211 & 212 (lab), 217, 316, 317; SPE 300, 320, 350, 353.	
<b>General Education Requirements</b> .....	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Free Electives</b> .....	<b>16-24 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

\* 3-6 hours may be waived for high school foreign language study. For details, see Foreign Language Placement and Waiver Guidelines.

\*\*Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

### **ENGLISH/TEACHING (B.A.)**

CIP Code: 23.0101

<b>Major Requirements</b> .....	<b>33 hours</b>
ENG 301, 302**, 350 or 351; 352 or 353; 405, 410, 474; 510 or 520; and at least nine additional upper division literature hours, three of which must be American literature and three British literature; six of these additional hours must be at the 400 level or above.	
<b>Supporting Course Requirements</b> .....	<b>6 hours</b>
Six hours of one foreign language* at the appropriate level or American Sign Language.	
<b>Professional Education Requirements</b> .....	<b>34 hours</b>
EDF 103, 203, 319, 413, SED 401; ESE 443, 498, 499, and 574.	
<b>General Education Requirements</b> .....	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Free Electives</b> .....	<b>2 hours</b>
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

\* 3-6 hours may be waived for high school foreign language study. For details, see Foreign Language Placement and Waiver Guidelines.  
 \*\*Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

### **TEACHING ENGLISH AS A SECOND LANGUAGE ENDORSEMENT**

Students planning to add a teaching English as a second language endorsement to their certification need to take ENG 510, 515, 520, and, in addition to other teacher education requirements listed, EMS 575.

### **PERFORMING ARTS (B.F.A.)**

CIP Code: 50.0501

<b>Major Requirements</b> .....	<b>65 hours</b>
THE 110, 135, 200, 235, 280, 285 (2), 130/330 (3), 340 (2), 341, 385 (2); 390 or 391; 498; eight hours of applied voice: (MUS 122, 222, 322, 422), MUS 181, 182, three hours from 272, 273, 371, or 372, and two hours vocal ensemble consisting of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the music section of this <i>Catalog</i> . Fourteen hours to be chosen, in consultation with the departmental advisor, from the following courses: THE 150, 210, 220, 285, 310, 311, 320, 335, 385, 390, 391, 430, 435, 442, 490, 499, MUS 272, 273, 371, 372, 322, 422, 225, or 226.	
<b>General Education Requirements</b> .....	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
ASO 100.	
<b>Free Electives</b> .....	<b>10 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>



**THEATRE/TEACHING (B.A.)***CIP Code: 23.1001.02*

<b>Major Requirements .....</b>	<b>28 hours</b>
THE 110, 135, 150, 200, 220, 235, 130/330 (2), 341; 390 and 391.	
<b>Supporting Course Requirements .....</b>	<b>9 hours</b>
SPE 100, 205 and 210.	
<b>Minor Requirements .....</b>	<b>27 hours</b>
A 27-hour teaching minor in English is required. ENG 301, 302, 350 or 351; 352 or 353; 405, 410; 510 or 520; 335 or 430; and ESE 574.	
<b>Professional Education Requirements .....</b>	<b>31 hours</b>
EDF 103, 203, 319, 413, SED 401; ESE 443, 498, and 499.	
<b>General Education Requirements .....</b>	<b>50 hours</b>
Standard General Education program, excluding course in Category 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Total Curriculum Requirements .....</b>	<b>146 hours</b>

**THEATRE (B.A.)***CIP Code: 50.0501*

<b>Major Requirements .....</b>	<b>41 hours</b>
THE 110, 135, 150, 200, 210, 220, 235; 285 or 385; three hours from THE 310, 311 or 320; THE 341, 390, 391, 430, 130/330 (4).	
<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education Program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>34 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Minors****MINOR IN ENGLISH**

<b>Requirements .....</b>	<b>18 hours</b>
ENG 301, 302**, and at least 12 additional upper level hours in literature and/or writing courses.	

\*\*Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

**MINOR IN ENGLISH (TEACHING)**

<b>Requirements .....</b>	<b>24 hours</b>
ENG 301, 302**, 350 or 351; 352 or 353; 405, 410; 510 or 520; and at least three additional upper level hours. Minor is available only to students having a teaching major in another field.	
<b>Supporting Course Requirements .....</b>	<b>3 hours</b>
ESE 574.	
<b>Total Curriculum Requirements .....</b>	<b>27 hours</b>

\*\*Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

**MINOR IN THEATRE ARTS**

<b>Requirements .....</b>	<b>18 hours</b>
THE 110, 135, 130/330 (3), 341; 390 or 391; and three hours of theatre arts electives.	

**MINOR IN THEATRE ARTS (TEACHING)**

<b>Requirements .....</b>	<b>21 hours</b>
THE 110, 135, 130/330 (3), 341; 390 or 391; and six hours of theatre arts electives.	

**DEPARTMENT OF FOREIGN LANGUAGES AND HUMANITIES****Chair**

Dr. José L. Varela  
(859) 622-2996  
Case Annex 368

**Faculty**

S. Bailey, A. Bettler, D. Carter, M. Cortes-Castaneda, K. Hill, E. Kim, R. King, T. Kiogora, M. Kwak, T. Langenbruch, M. Machado, U. Shin, and N. Wright

1. Certain courses may be inappropriate for students with native or near-native fluency in a particular language; therefore, written approval from the department chair must be obtained by such students wishing to enroll for credit in these courses.
2. Students must earn 30 of the last 36 hours, exclusive of student teaching, through ECU.
3. Students who transfer credits must earn no fewer than 15 upper-division hours in the major and 9 upper-division hours in the minor at ECU, the exact minimum to be determined by the department chair in consultation with the foreign language faculty.
4. Eastern Kentucky University students are required to obtain the department chair's written prior approval of any course work they plan to transfer back to ECU for application to the major or minor.
5. A grade of "C" or higher is required in each course to be applied toward the major and minor.
6. Students in teaching programs must attain a minimum 2.5 GPA in their teaching major to be recommended for student teaching.
7. All majors must pass a departmental proficiency exam which covers spoken and written language, culture, and literature; teaching majors must pass the proficiency exam to be recommended for student teaching. Students will ordinarily take the exam no later than in the first semester of their senior year.



**Baccalaureate Degrees****FRENCH (B.A.)***CIP Code: 16.0901*

- Major Requirements** ..... 30 hours  
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade of "C" or higher is required in each course for credit toward the major. Students are also required to pass a departmental proficiency exam which covers spoken and written language, culture, and literature.
- Supporting Course Requirements** ..... 3 hours  
FCC 220 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 354.
- General Education Requirements** ..... 49 hours  
Standard General Education program, excluding category 07. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
ASO 100.
- Free Electives** ..... 45 hours
- Total Curriculum Requirements** ..... 128 hours

**FRENCH/TEACHING (B.A.)***CIP Code: 16.0901*

- Major Requirements** ..... 30 hours  
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours selected from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.5 GPA in their teaching major and must pass a departmental proficiency exam, which covers spoken and written language, culture, and literature, to be recommended for student teaching.
- Supporting Course Requirements** ..... 3 hours  
FCC 220 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 354.
- Professional Education Requirements** ..... 34 hours  
EDF 103, 203, 319, 413; SED 401; EME 442, EMS 499; ESE 490 and 543.
- General Education Requirements** ..... 49 hours  
Standard General Education program, excluding category 07. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
ASO 100.
- Free Electives** ..... 11 hours
- Total Curriculum Requirements** ..... 128 hours

**SPANISH (B.A.)***CIP Code: 16.0905*

- Major Requirements** ..... 30 hours  
A student who majors in Spanish will take a minimum of 30 semester hours in courses numbered 200 and above; 21 of these hours must be at the 300 level or above. A grade of "C" or higher is required in each course for credit toward the major. Students are also required to pass a departmental proficiency exam which covers spoken and written language, culture, and literature. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 384.
- General Education Requirements** ..... 52 hours  
Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
ASO 100.
- Free Electives** ..... 45 hours
- Total Curriculum Requirements** ..... 128 hours

**SPANISH/TEACHING (B.A.)***CIP Code: 16.0905*

- Major Requirements** ..... 30 hours  
A student may major in Spanish by completing a minimum of 30 hours in courses numbered 200 and above; 21 of these hours must be at the 300 level or above. The following courses are required: SPA 206 (waived in case of demonstrable oral proficiency); 301 and 360; 380 or 381; three hours from 405, 406, 407. A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.5 GPA in their teaching major and must pass a departmental proficiency exam, which covers spoken and written language, culture, and literature, to be recommended for student teaching. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and composition; HIS 384.
- Professional Education Requirements** ..... 34 hours  
EDF 103, 203, 319, 413, SED 401; EME 442, ESE 490, 543, and EMS 499.
- General Education Requirements** ..... 52 hours  
Standard General Education Program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
ASO 100.
- Free Electives** ..... 11 hours
- Total Curriculum Requirements** ..... 128 hours

**Minors****MINOR IN FRENCH**

- Requirements** ..... 21 hours  
A student may minor in French by completing a minimum of 21 hours in French, 9 hours of which may include 201, 202, 204, 210 and/or 295. A minimum of 12 hours must be in courses numbered 300 and above. A grade of "C" or higher is required in each course for credit toward the minor.

[Students entering the program with two or more years of high school French should take FRE 201, 202 or 204, 210, and 12 hours of French at the 300 level or above. Students entering the program with no previous French should take FRE 101, 102, 201, 202, 210, and 12 hours of French at the 300 level or above.]

**Supporting Course Requirements** ..... 3 hours  
FCC 220 is required. Strongly recommended: HIS 354.

**Total Curriculum Requirements** ..... 24 hours

### MINOR IN HUMANITIES

A student may minor in humanities by completing the following courses: HUM 124; 226 or 228; 300 or 400; three hours of foreign culture and civilization (FCC) or REL 301; three hours of upper-division art history; three hours from ENG 335, THE 390, 391, or 430; MUS 272, 371, or 372; PHE 200\* or three hours of upper-division philosophy (PHI). When the major and the minor require the same courses, three hours may be waived from the minor upon the recommendation of the Chair of the Department of Foreign Languages and Humanities.

\*Students who plan to teach humanities in the public schools should select this course.

### MINOR IN SPANISH

**Requirements** ..... 21 hours

A student may minor in Spanish by completing a minimum of 21 semester hours in courses numbered 200 and above; 12 of these hours must be at the 300 level or above. Strongly recommended: HIS 384. A grade of "C" or higher is required in each course for credit toward the minor.

**Total Curriculum Requirements** ..... 21 hours

### Certificates

#### CERTIFICATE IN FRENCH CONVERSATION AND CULTURE

**Prerequisites** ..... 0-6 hours  
FRE 101 and 102 (or equivalent).

**Requirements** ..... 15 hours  
FCC 220; nine hours from FRE 201, 202, 204, 210; 320 or 350.

A grade of "C" or higher is required in each course for credit toward the certificate.

**Total Curriculum Requirements** ..... 15-21 hours

#### CERTIFICATE IN GERMAN CONVERSATION AND CULTURE

**Prerequisites** ..... 0-6 hours  
GER 101 and 102 (or equivalent).

**Requirements** ..... 15 hours  
FCC 222; GER 201, 202, 240, and 340.

A grade of "C" or higher is required in each course for credit toward the certificate.

**Total Curriculum Requirements** ..... 15-21 hours

### CERTIFICATE IN JAPANESE CONVERSATION AND CULTURE

**Requirements** ..... 15 hours  
FCC 227; JPN 101, 102, 201, 202.

A grade of "C" or higher is required in each course for credit toward the certificate.

**Total Curriculum Requirements** ..... 15 hours

### CERTIFICATE IN SPANISH CONVERSATION AND CULTURE

**Prerequisites** ..... 0-6 hours  
SPA 101 and 102 or 105 (or equivalent).

**Requirements** ..... 15 hours

SPA 201, 202, 206, and six hours of upper-division Spanish courses. A grade of "C" or higher is required in each course for credit toward the certificate.

**Total Curriculum Requirements** ..... 15-21 hours

## DEPARTMENT OF GEOGRAPHY

### Chair

Dr. Bruce E. Davis  
(859) 622-1418  
Roark 201

### Faculty

A. Jones, R. Sambrook, M. Wiljanen, D. Yow, and D. Zurick

### Baccalaureate Degrees

#### GEOGRAPHY (B.A.)

CIP Code: 45.0701

**Major Requirements** ..... 39 hours

**Geography Core** ..... 15 hours  
GEO 200, 210, 220, 351, and 490.

**Geography Electives** ..... 24 hours  
(18 hours must be upper division)

Majors are strongly encouraged to select their GEO elective hours and free elective hours in consultation with an advisor from one of the speciality areas below:

#### **Specialty Areas:**

##### **Global Studies**

GEO 205, 302, 322; 3 hours from GEO 341, 342, 343, 344, or 347; and 6 hours from ANT 435; ECO 394; GEO 330; HIS 347; POL 220; or an Accredited Study Abroad Program.

##### **Geotechniques**

GEO 353, 355, 553, 555, and 556.

##### **Natural Resources**

GEO 302, 330, 435; GEO 325 or 430; and 6 hours of upper-division BIO, NAT, GLY, or EHS in consultation with advisor.

##### **Community and Regional Planning**

GEO 225; GEO 321 or 330; GEO 430 or 525; 6 hours from GEO 321, 325, 330, 435; and 6 hours of upper-division SOC, POL, RST, SPE or EHS in consultation with advisor.

**Supporting Course Requirements** ..... 12 hours

CIS 212; GLY 108; SOC 232; and ECO 120 or ECO 230.

<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding course categories 04, 09, and 14. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>33 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

Note: Students interested in Travel and Tourism should contact the Department of Geography.

## Minors

### **MINOR IN GEOGRAPHY**

A student may minor in geography by completing a total of 18 semester hours as follows: GEO 200, 210, 220, and nine hours of upper-division geography electives.

### **MINOR IN GEOTECHNIQUES**

A student may minor in geotechniques by completing a total of 18 hours as follows: 6 hours from GEO 200, 210, or 220; GEO 353, 355, 553; GEO 555 or 556.

Note: minor not open to geography majors.

### **MINOR IN NATURAL RESOURCE GEOGRAPHY**

A student may minor in natural resource geography by completing a total of 18 hours as follows: GEO 210, 200 or 220; GEO 302, 330, 435; GEO 325 or 430.

Note: minor not open to geography majors.

### **MINOR IN COMMUNITY AND REGIONAL PLANNING**

A student may minor in community and regional planning by completing a total of 18 hours as follows: 6 hours from GEO 200, 210 or 220; GEO 225; GEO 430 or 525, 6 hours from GEO 321, 330, 325 and 435.

Note: minor not open to geography majors.

## **DEPARTMENT OF GOVERNMENT**

Interim Chair  
**Dr. JoAnn Ewalt**  
(859) 622-5931  
McCreary 113

### Faculty

T. Busson, R. Dean, J. Ewalt, J. Gershtenson, G. Gunderson, K. Johnson, J. McCord, G. Rainey, J. Rainey, K. Stewart, E. Tackett, R. Vance, L. Wimberly, and S. Zeigler

## **Paralegal Program**

The paralegal programs offer a Bachelor of Arts degree in paralegal science and an Associate of Arts degree in paralegal studies. The objectives of the programs are: (1) to create, implement, and maintain a strong, flexible program directed to the quality education of occupationally competent paralegals; (2) to provide a paralegal education program that leads to employment of its graduates by a wide range of employers; (3) to provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts; (4) to support the general principles of ethical legal practice, professional responsibility, and the prohibitions against the unauthorized practice of law by a lay person; (5) to provide an educational program that is responsive to the varied needs of the state of Kentucky and the region and contributes to the overall advancement of the legal profession; (6) to provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice; and (7) to maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, or sex.

### **DEPARTMENTAL DEGREE REQUIREMENTS**

Paralegal majors (A.A., B.A.) must attain a minimum grade of "C" in all "major" and "supporting" courses. A minimum grade of "C" must be earned in LAS 210 before taking LAS 220 and 320. A minimum grade of "C" must be earned in LAS 220 before being admitted to any of the other upper division requirements.

### **TRANSFER STUDENTS**

Transfer students must take a minimum of 15 semester hours of paralegal (LAS) courses at EKV to earn a paralegal degree.

## Baccalaureate Degrees

### **PARALEGAL SCIENCE (B.A.)**

*CIP Code: 22.0103*

<b>Major Requirements .....</b>	<b>40 hours</b>
LAS 210, 220, 300, 320, 325, 350, 385, 399, 410 and 12 hours from LAS 330, 340, 360, 370, 380, 460 or 490.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
ACC 201, ENG 301, POL 101, and three hours from POL 460, 463, or 464.	
<b>General Education Requirements .....</b>	<b>49 hours</b>
Standard General Education program, excluding course category 12. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>26 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>



**POLITICAL SCIENCE (B.A.)***CIP Code: 45.1001*

- Major Requirements** ..... 33 hours  
 POL 101; nine hours from international relations and/or comparative courses, six hours of which must be from courses numbered 300 and above; nine hours from American Government and/or Public Administration courses; in addition to POL 101; POL 280, three hours from POL 551, 552 or 553; plus six other hours in political science. A total of 18 hours must be in courses numbered 300 or above. No more than six hours of POL 349 may count toward this major. *(To identify courses in international relations, comparative government, American government, public administration, and methodology see the note preceding POL course descriptions.)*
- General Education Requirements** ..... 52 hours  
 Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
 ASO 100.
- Free Electives** ..... 42 hours
- Total Curriculum Requirements** ..... 128 hours

**Associate Degree****PARALEGAL STUDIES (A.A.)***CIP Code: 22.0103*

- Major Requirements** ..... 37 hours  
 LAS 210, 220, 300, 320, 325, 350, 385, 399, 410 and nine hours from LAS 330, 340, 360, 370, 380, or 460.
- Supporting Course Requirements** ..... 25 hours  
 ASO 100, six hours of English Composition\*, three hours general education humanities\*, POL 101\*, MAT 105\* or higher, three hours general education elective\* (not POL), ACC 201, and ENG 301.
- Free Electives** ..... 2 hours
- Total Curriculum Requirements** ..... 64 hours

\*Courses meeting general education requirements.

**Minors****MINOR IN POLITICAL SCIENCE**

A student may minor in political science by completing POL 101 plus 15 hours of which nine hours must be in courses numbered 300 or above. No more than three hours of POL 349 may count toward the minor.

**MINOR IN PUBLIC ADMINISTRATION**

A student may minor in public administration by completing a total of 18 hours as follows: POL 101, POL 370, POL 374, and nine hours from POL 332 or POL 333, POL 371, POL 373, POL 376, POL 377, and POL 565. Upper division courses applied to the public administration minor may not be applied to the political science minor.

**DEPARTMENT OF HISTORY****Acting Chair****Dr. David Sefton****(859) 622-1287****Keith 323****Faculty**

**P. Alegi, T. Appleton, D. Blaylock, L. Chase, D. Coleman, A. G. Dunston, T. Harter, R. Huch, M. Klatte, J. Lowry, D. Sefton, J. Spock, C. Taylor, R. Topmiller, R. Weise, and B. Wood**

**Baccalaureate Degrees****HISTORY (B.A.)***CIP Code: 45.0801.01*

- Major Requirements** ..... 33 hours  
 HIS 201, 202, 203, 302 (6 hours), 450, and 21 upper division hours (including HIS 302) with a minimum of six hours in each of the following areas:
- Area I (U.S.): HIS 300 (3 hrs), 301, 303, 305, 401, 402, 403, 404, 405, 406, 407, 408, 411, 412, 413, 415, 420, 424, 433, 434, or 516.
- Area II (Europe): HIS 300 (3 hrs), 301, 315, 336, 339, 341, 342, 343, 344, 345, 346, 347, 350, 354, 363, or 365.
- Area III (Non-Western): HIS 300 (3 hrs), 301, 320, 374, 375, 378, 383, 384, 385, 386, 387, 474, or 475.

HIS 302 is to be taken twice, each time for 3 hours. The topics are to belong to two of the three areas of the upper division course distribution.

The remaining upper division history course may come from any of the above areas or from other upper division history courses.

- General Education Requirements** ..... 52 hours  
 Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.
- University Requirement** ..... 1 hour  
 ASO 100.
- Free Electives** ..... 42 hours  
 At least three hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least six hours of a foreign language.
- Total Curriculum Requirements** ..... 128 hours

**HISTORY/TEACHING (B.A.)***CIP Code: 45.0801.01*

- Major Requirements** ..... 33 hours  
 HIS 201, 202, 203, 302 (6 hours), 450, and 21 upper division hours (including HIS 302) with a minimum of six hours in each of the following areas:
- Area I (U.S.): HIS 300 (3 hrs), 301, 303, 305, 401, 402, 403, 404, 405, 406, 407, 408, 411, 412, 413, 415, 420, 424, 433, 434, or 516.

Area II (Europe): HIS 300, (3 hrs), 301, 315, 336, 339, 341, 342, 343, 344, 345, 346, 347, 350, 354, 363 or 365.  
Area III (Non-Western): HIS 300 (3 hrs), 301, 320, 374, 375, 378, 383, 384, 385, 386, 387, 474 or 475.

HIS 302 is to be taken twice, each time for 3 hours. The topics are to belong to two of the three areas of the upper division course distribution.

The remaining upper division history course may come from any of the above areas or from other upper division history courses.

**Supporting Course Requirements ..... 21 hours**  
ANT 120 or SOC 131, ECO 120 or 130, PSY 200, GEO 101 and 200; POL 101 and POL 220 or POL 211.

**Professional Education Requirements ..... 31 hours**  
EDF 103, 203, 319, 413, SED 401; ESE 449, 490, and 499.

**General Education Requirements ..... 46 hours**  
Standard General Education program, excluding course categories 09 and 12. Refer to Section Four of this *Catalog* for details on the General Education and University Requirements.

**University Requirement ..... 1 hour**  
ASO 100.

**Total Curriculum Requirements ..... 132 hours**

## SECOND MAJOR IN HISTORY

A student may complete a second major in history by completing the major requirements listed above.

## Minor

### MINOR IN HISTORY

Students majoring in other disciplines may minor in History (teaching or non-teaching) by completing the following courses: HIS 202 and 203; HIS 231, HIS 246, or HON 210; HIS 232, HIS 247 or HON 311; nine hours upper division history with three hours in each of the upper-division areas described in the major (refer to major for specific course listings in each area).

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### Acting Chair

Dr. Patrick Costello  
(859) 622-5942  
Wallace 312

### Faculty

K. Black, P. Bland, R. Blythe, R. Buskirk, P. Coen,  
P. (Patricia) Costello, P. (Patrick) Costello, M. Cropper,  
E. Deaton, M. Gebert, B. Givan, D. Greenwell, V. Gupta,  
K. Jones, L. Kay, A. Maison, S. Metcalf, R. Nelson,  
A. O'Bryan, S. Redmond, D. Ryoti, M. Stribling, R. Thomas,  
J. Wilson, and M. Yoder

## Baccalaureate Degrees

### MATHEMATICS (B.S.)

CIP Code: 27.0101

#### Program Objectives

Upon successful completion of this program, the graduate will: (1) be able to apply mathematical techniques to social, economic, and scientific problems; (2) understand the importance and power of mathematics in our rapidly changing technological age; (3) be prepared to pursue a graduate program in this or a related area; and (4) be well qualified for employment in any position requiring undergraduate training in mathematics.

#### Major Requirements ..... 39 hours

MAT 124\* or 124H; 214; 224 or 224H; 225 or 225H; 301, 308, 315, 353; 408 or 415; one additional MAT course chosen from 408, 415, or any course numbered 505 or above (507 only with departmental approval); six hours chosen from: CSC 300, 320, STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 380, 501, 502). Only courses completed with a grade of at least "C-" will count toward the major requirements. At least five upper-division courses which satisfy the major requirements must be completed at EKU.

#### Supporting Course Requirements ..... 6 hours

CSC 160, 177, 190 or an approved programming language; and any three hour STA course numbered 270 or above (except 349).

#### General Education Requirements ..... 43 hours

Standard General Education program, excluding course categories 03, 04 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

#### University Requirement ..... 1 hour

ASO 100.

#### Free Electives ..... 39 hours

Students planning to attend a graduate school in mathematics are strongly encouraged to select an in-depth study of a single foreign language as a part of their program.

#### Total Curriculum Requirements ..... 128 hours

\* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

### MATHEMATICS/TEACHING (B.S.)

CIP Code: 27.0101

#### Program Objectives

Upon successful completion of this program, the graduate will be prepared for certification to teach mathematics at the secondary level and will: (1) understand the principles of pre-college mathematics; (2) be able to explain mathematical concepts and applications to social, economic, and scientific problems; (3) understand the importance and power of mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or some related area.

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

**Major Requirements** ..... 36-41 hours  
**Core** ..... 26 hours  
 MAT 124\* or 124H; 214; 224 or 224H; 285, 301, 308, 334, 380.

**Options**

**Mathematics Teaching** ..... 10 hours  
 MAT 225 or 225H; 315, three hours of courses chosen from: CSC 300, 320; STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 501, or 502).

**Computer Science/Mathematics Teaching** ..... 15 hours  
 CSC 160, 190, 191, 310, 330.

All courses must be completed with a grade of at least "C-." At least five upper-division courses which satisfy the major requirements must be completed at ECU.

**Supporting Course Requirements** ..... 6-9 hours

**Mathematics Teaching** ..... 9 hours  
 CSC 104; CSC 160, 177, 190 or an approved programming language; STA 270.

**Computer Science/Mathematics Teaching** ..... 6 hours  
 CSC 104; STA 270.

All courses must be completed with a grade of at least a "C-."

**Professional Education Requirements** ..... 31 hours  
 EDF 103, 203, 319, 413; SED 401; ESE 450, 490, 499.

**General Education Requirements** ..... 43 hours  
 Standard General Education program, excluding course categories 03, 04 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... 1 hour  
 ASO 100.

**Free Electives** ..... 6-8 hours

**Total Curriculum Requirements** ..... 128 hours

\* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

## STATISTICS (B.S.)

*CIP Code: 27.0501*

### Program Objectives

Upon successful completion of this program, the graduate will: (1) understand the applications and use of statistics in everyday life; (2) be able to apply a wide variety of statistical techniques; (3) be familiar with computer packages which perform statistical analysis; (4) be well qualified for employment in industry, government, and the actuarial profession; and (5) be prepared to pursue graduate work in statistics.

**Major Requirements** ..... 42 hours  
 STA 270, 320, 520, 521, 585, two of STA 370, 375, 501, 575, with a cumulative GPA of 2.0 in these STA courses; MAT 124\* or 124H; 214; 224 or 224H; 225 or 225H; six hours of CSC/MAT/STA numbered 300 or above (except for 349 and CSC 305, 306, MAT 303, 501, 502, STA 500, 503).

**Supporting Course Requirements** ..... 3 hours  
 CSC 160, 177, 190 or three hours of an approved programming language.

**General Education Requirements** ..... 46 hours  
 Standard General Education program, excluding courses in categories 03 and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... 1 hour  
 ASO 100.

**Free Electives** ..... 36 hours

**Total Curriculum Requirements** ..... 128 hours

\* A preparatory course in mathematics (MAT 109) may be required before admission to calculus.

## Minors

### MINOR IN MATHEMATICAL SCIENCES

A student may minor in mathematical sciences by completing a minimum of six hours in each of computer science, mathematics, and statistics for a total of 18 hours as follows: computer science—two of CSC 160, 190, 191; mathematics—MAT 261 and 262, or MAT 124 or 124H, and 224 or 224H; and statistics—two of STA 270, 320, 370, 500, 501, 575.

### MINOR IN MATHEMATICS

A student may minor in mathematics by completing 18 hours including MAT 124 or 124H; 224 or 224H; and ten hours selected from MAT 214; 225 or 225H; 285; an approved MAT 480; STA 370 or 520; or any MAT course numbered 300 or above (except for MAT 349).

### MINOR IN STATISTICS

A student may minor in statistics by completing 18 hours of mathematical science courses including 12 hours of STA and six hours selected from any additional STA courses (except for 349), any CSC courses (except for 105, 305, 306, or 349), or any calculus courses.

## DEPARTMENT OF MUSIC

### Chair

Mr. Rob James

(859) 622-3266

Foster 101

Rob.James@ecu.edu

### Faculty

J. Allison, C. Beeler, M. Chambers, R. Crosby,  
 D. Duncan, K. Haddix, H. Hensley, K. Kean, J. Koontz,  
 J. Martin, H. Mickens, J. Mulholland, P. Newell, C. Rhoades,  
 J. Roberts, D. Saladino, P. Schmann, K. Schmann, J. Willeff,  
 and J. Wolf

### ADMISSION TO THE MUSIC MAJOR PROGRAM

Admissions to the Bachelor of Music programs requires an audition and theory placement interview. The student is expected to demonstrate acceptable levels of achievement in performance in terms of intonation, tone quality and rhythmic accuracy. Incoming students will be expected to perform two selections of contrasting styles. May be accepted on probationary status at the discretion of the applied teacher and the department chair.



**BACHELOR OF MUSIC CORE REQUIREMENTS****APPLIED MUSIC**

All music majors must complete a minimum of seven semesters of applied lessons with at least three of the upper division levels. Applied students must complete a jury examination at the end of each semester.

**Solo Recital Performance.** Each major is expected to perform the equivalent of a half recital (MUS 399) during the course of study, either separately or as the result of at least four (4) appearances on student recitals (Fridays).

**Ensemble Requirements.** Each major is expected to enroll in a major ensemble reflecting the major applied area of study every semester in residence. Keyboard majors may substitute accompaniment (MUS 313 or 513) for ensemble credits. Even if the student plans to study in two or more applied areas, one of them must be declared the major.

**Recital Attendance.** All majors are expected to attend 16 recitals including the Friday recitals and other departmental concerts held throughout the semester (MUS 101) for at least six semesters. Performances off campus must receive approval by department chair.

**Piano, Theory, and Music Literature Requirements.** All majors must complete four credits of class piano (MUS 110-111, 210-212 or MUS 114-115), 16 credits of music theory (MUS 181-182, 281-282), 9 credits of music history and literature (MUS 272, 371-372), 3 credits chosen from MUS 285, MUS 383, or MUS 481. All majors must also complete Electronic Music MUS 384.

**MUSIC TEACHING OPTION**

All wind and percussion majors must complete at least three semesters of MUS 256. Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor.

**MUSIC PERFORMANCE OPTION**

All performance majors must pass an audition beyond the entrance audition. They will be on probationary status for one to four semesters. At the end of the probationary period, the student may re-audition for full candidacy. The Audition Committee will consist of at least three members of the music faculty including the applied teacher. All performance majors must give a full recital (MUS 499) in addition to the half recital required of all majors.

**MUSIC MERCHANDISING OPTION**

All music merchandising majors must complete eight credits of Co-op (MUS 349). All Co-op projects must be approved by the Co-op office, department chair, and Co-op coordinator.

**MUSIC THEORY AND COMPOSITION OPTION**

Theory and composition majors must complete four credits of beginning composition (MUS 283) and four credits of advanced composition (MUS 483). Composition students may use the performance of their compositions towards the recital requirement.

**MUSIC (B.M.)**

CIP Code: 50.0901

**Major Requirements ..... 70-84 hours****Core ..... 53 hours**

MUS 110, 111, 210, 211, or MUS 114 (2) and 115 (2), 181, 182, 272, 281, 282, 366, 371, 372, 399, 480, 383 or 481 or 285, 384, minimum of seven hours of ensemble and minimum of seven hours of applied instrument or voice. Music Ensemble: wind and percussion teaching majors must elect three hours of MUS 256.

**Options****Performance/Instrumental ..... 31 hours**

MUS 367 or 368, 499 (1), 550 (2), 551 (2), seventeen additional hours of lower and upper division applied. One additional hour of ensemble, three hours of upper division music theory, and three hours of upper division music history. Six semesters of MUS 101.

**Performance/Vocal ..... 31 hours**

MUS 220 (1), MUS 367 or 368, 499 (1), 520 (1), 550 (1), 551 (1), seventeen additional hours of lower and upper division applied. One additional hour of ensemble, three hours of upper division music theory and three hours of upper division music history. Six semesters of MUS 101.

**Music Merchandising ..... 26 hours**

MUS 190 (2), 191 (2), 290 (2), 349 (2), 390, 391, ACC 201, MGT 301, PUB 375, LAS 210. Six semesters of MUS 101.

**Theory and Composition ..... 26 hours**

MUS 283 (4), 483 (4), 555 or 556. Three hours of upper division theory. Three hours of music electives. Three hours of lower division and six hours of upper division selected from any area in Arts and Sciences, except music. Six semesters of MUS 101.

**Music Teaching/Instrumental ..... 17 hours**

MUS 230, 251, 252, 320, 330, 351, 352, 354, 364, 365, 367, EME 378, ESE 479 (instrumental students will be excused from taking the methods course that includes their major applied instrument). Six semesters of MUS 101.

**Music Teaching/Vocal ..... 17 hours**

MUS 220 (1), 230, 252, 351, 354, 364, 365, 368, 513 (2), EME 378, ESE 479. Six semesters of MUS 101.

**Professional Education Requirements for Music****Teaching Option ..... 28 hours**

EDF 103, 203, 319, 413, SED 401, ESE 490, EMS 499.

**Supporting Course Requirements ..... 6 hours****Performance ..... 6 hours**

Six hours of Foreign Language.

**Music Merchandising Option ..... 6 hours**

ACS 201, CSC 104 or CIS 212.

**Theory and Composition Option ..... 6 hours**

Six hours of Foreign Language.

**Music Teaching Option ..... 6 hours**

MAT 105 or 107, CSC 104 or CIS 212.

**General Education Requirements ..... 40 hours**

Standard General Education program, excluding course categories 03, 04, 07 and 08. Refer to Section Four of the *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ASO 100.

**Total Curriculum Requirements ..... 128-145 hours**

**Minor****MINOR IN MUSIC**

**Requirements ..... 18 hours**  
 MUS 181, 182, 371, 372, and four hours of electives in music.  
 Candidates must pass the Piano Proficiency Requirement or  
 take MUS 110 and 111 which cannot be counted as a part of  
 the minor.

## DEPARTMENT OF PHILOSOPHY AND RELIGION

**Chair**

**Dr. Ron Messerich**  
**(859) 622-1400**  
 Case Annex 268

**Faculty**

**T. Gooch, B. Gray, B. Harris, L. Newhart, A. Nguyen,  
 P. Nnoromele, S. Parchment, and F. Williams**

**Baccalaureate Degree****PHILOSOPHY (B.A.)**

*CIP Code: 38.0101*

**Major Requirements ..... 36 hours**  
 PHI 100, 110, 130, 300, 320, 330, 333, 371, 499; plus any  
 additional nine hours in philosophy as approved by the  
 department chair. Six hours of religion may be counted as part  
 of the nine hours.  
**General Education Requirements ..... 52 hours**  
 Standard General Education program. Refer to Section Four  
 of this *Catalog* for details on the General Education and  
 University requirements.  
**University Requirement ..... 1 hour**  
 ASO 100.  
**Free Electives ..... 39 hours**  
**Total Curriculum Requirements ..... 128 hours**

**Minors****MINOR IN PHILOSOPHY**

A minor consists of 18 hours in philosophy, including at least  
 three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of  
 religion may be counted in a minor.

**MINOR IN RELIGION**

A minor consists of 18 hours in religion, including at least  
 three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of  
 philosophy may be counted in a minor, and if PHI 240 is taken, six  
 hours of philosophy may be counted.

## DEPARTMENT OF PHYSICS AND ASTRONOMY

**Chair**

**TBA**  
**(859) 622-1521**  
 Moore 351

**Faculty**

**M. Ciocca, J. Cook, C. Laird, B. Menon, A. Sarma, D. Sousa,  
 J. Wernegreen, and G. Yoder**

**Baccalaureate Degrees****PHYSICS (B.S.)**

*CIP Code: 40.0801*

**Major Requirements ..... 37 hours**  
**Core ..... 21 hours**  
 PHY 201, 202, 300, 301; 306 or 308; 558. At the  
 discretion of the chair, PHY 131 may be substituted for  
 PHY 201.  
**Options**  
**Physics (General) ..... 16 hours**  
 PHY 520, 559, 570, six hours from any physics course  
 numbered 300 and above, except PHY 506.  
**Engineering Physics ..... 16 hours**  
 PHY 221, 315, 375, six hours from CSC 300, EET 253,  
 257, 305, 350, 355, PHY 303, 306, 308, 502, 510, STA  
 270.  
**Supporting Course Requirements ..... 29 hours**  
 CHE 111, 112, CSC 174 (or any approved programming  
 language course), MAT 124\*, 224, 225, 353, EET 252.  
**General Education Requirements ..... 34 hours**  
 Standard General Education program, excluding course  
 categories 03, 04, 14, 15, 16 and 21. Refer to Section Four of  
 this *Catalog* for details on the General Education and  
 University requirements.  
**University Requirement ..... 1 hour**  
 ASO 100.  
**Free Electives ..... 27 hours**  
**Total Curriculum Requirements ..... 128 hours**

\*A preparatory course (MAT 109) in mathematics may be required  
 before admission to MAT 124.

**PHYSICS/TEACHING (B.S.)**

*CIP Code: 40.0801*

**Major Requirements ..... 30 hours**  
 AST 135, 330, PHY 201, 202, and fourteen hours of physics  
 courses numbered 300 and above.  
**Minor Requirements ..... 10-21 hours**  
 A teaching minor in mathematics, computer science,  
 chemistry, or earth science is required.  
**Supporting Course Requirements ..... 22 hours**  
 CHE 111, 112; MAT 124,\* 224; BIO 100, BIO 102, or NAT  
 101; and CSC 104 or CIS 212.  
**Teacher Education Requirements ..... 31 hours**  
 EDF 103, 203, 319, 413, SED 401, ESE 451, 490, 499.

<b>General Education Requirements .....</b>	<b>32 hours</b>
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Total Curriculum Requirements .....</b>	<b>128-137 hours</b>

\*A preparatory course (MAT 109) in mathematics may be required before admission to MAT 124.

### Associate Degree

#### SCIENCE FOR ENGINEERING (A.S.)

*CIP Code: 14.999.01*

<b>Major Requirements .....</b>	<b>18 hours</b>
PHY 201, 202; MAT 124*, 224.	
<b>Supporting Course Requirements .....</b>	<b>31 hours</b>
MAT 225; three hours Approved Programming Language*; CHE 111*, 112*; ASO 100; ENG 101* and 102* or 105*; TEC 190, PHY 221 or CHE 361, and three hours from each of Areas II* and III*.	
<b>Free Electives .....</b>	<b>15 hours</b>
Chosen with advisor to satisfy general education and major requirements at the chosen engineering school.	
<b>Total Curriculum Requirements .....</b>	<b>64 hours</b>

\*Courses meeting general education requirements.

\*\*A preparatory course (MAT 109) in mathematics may be required before admission to MAT 124

### Minors

#### MINOR IN PHYSICS

A student may complete a minor in physics by taking PHY 201, 202, 300, and a minimum of five additional hours of physics 300-level or above for a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202.

#### MINOR IN PHYSICS/TEACHING

A student may complete a teaching minor in physics by taking PHY 201 and PHY 202 plus eleven additional hours in PHY or AST numbered 300 or above. PHY 131 may be substituted for PHY 201 and PHY 132 may be substituted for PHY 202. The teaching minor in physics must be coupled with a teaching major in biology, chemistry, computer science/mathematics, earth science, or mathematics.

## DEPARTMENT OF PSYCHOLOGY

### Acting Chair

**Dr. Robert Brubaker**  
(859) 622-1105  
Cammack 127

### Faculty

**R. Adams, J. Batts, D. Beal, T. Botts, R. Brubaker, M. Bundy, C. Clement, R. Enzie, S. Falkenberg, V. Falkenberg, J. Flanagan, D. Florell, L. Koppes, R. Lorden, D. Mercer, K. Metz, R. Mitchell, J. Palmer, R. Perrine, M. Wells, S. Wilson, and M. Winslow**

### Baccalaureate Degree

#### PSYCHOLOGY (B.S.)

*CIP Code: 42.0101*

<b>Major Requirements .....</b>	<b>37 hours</b>
PSY 200, 291, 301, and at least 3 hours from each of the following groups:	
(1) Biological Bases of Behavior: PSY 311, 315, 315L	
(2) Cognition/Learning: PSY 313, 317, 317L	
(3) Developmental: PSY 312, 314, 316	
(4) Social/Personality: PSY 300, 305, 308	
(5) Skills: PSY 405, 406, 490, 590	
(6) Capstone: PSY 349 (2 hours) and 449 (1 hour) or 401 or 400	

In addition, the student must take nine hours of upper-division psychology electives. At least three of these must be numbered 400 or above. (PSY 349, 407, and 449 may not be used as electives.) A minimum grade of "C" is required in all courses counted toward the major.

<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ASO 100.	
<b>Free Electives .....</b>	<b>38 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

#### SECOND MAJOR IN PSYCHOLOGY

Requirements are the same for a first or a second major in psychology.

### Minor

#### MINOR IN PSYCHOLOGY

Requirements for a minor are PSY 200 plus electives in PSY to total 18 hours.



# College of Business and Technology

**Dr. Robert B. Rogow, Dean**  
**Combs 317**  
**(859) 622-1409**

[www.cbt.eku.edu](http://www.cbt.eku.edu)

**Dr. Janna P. Vice, Associate Dean**  
**Combs 313**  
**(859) 622-1574**

Business and  
Technology

## VISION

The College of Business and Technology will provide the educational opportunities to enhance the entrepreneurial, technological, and professional capacity of its region.

## MISSION

The mission of the College of Business and Technology is to serve as a school of opportunity for students from varied cultural and educational backgrounds by providing conceptual, applied, and experiential educational approaches through instruction, research, and service. The College's programs and services prepare students and others for their future and improve the economic development of the University's service region, the Commonwealth, and the nation.

## GOALS

To fulfill its mission, the College of Business and Technology is committed to the following goals: (1) The College will recruit, retain, and prepare a diverse student body (both undergraduate and graduate) for participation in a regionally, national, and globally competitive economy; (2) The College will serve as a resource to students, businesses, professionals, and communities by providing a faculty who are engaged in providing quality instruction, scholarly activities (basic, applied, and instructional), and service; (3) The College will engage in continuous improvement processes that involve its appropriate stakeholders to ensure its programs and services are relevant, current, and meet national standards.

## DEPARTMENT OF AGRICULTURE

**Interim Chair**  
**Dr. Bruce Pratt**  
**(859) 622-2228**  
**Carter 2**

### Faculty

**S. Black, D. Britt, C. Hagan, G. Janicke, T. Knight, and  
M. McDermott**

The Department of Agriculture offers Bachelor of Science and Associate of Science degrees in Agriculture and Horticulture. Options in the Agriculture degree program include a Business Minor, Agribusiness Management, Pre-Veterinary Medicine, Agriculture Systems Management, Agronomy and Natural Resources, Dairy Herd Management, Livestock Production and Soils. Options in the Horticulture program include a Business Minor, Floriculture/Greenhouse Management, Landscape Horticulture and Turfgrass Management. The Department also offers a joint degree program for Career and Technical Education - Agriculture Education Option. Minors are offered in soils, agriculture and horticulture. Students may receive the Associate degree and then continue for a Bachelor degree with no loss of credit.

The Pre-Veterinary Medicine program has an excellent veterinary school acceptance rate. More detailed information can be obtained by reading the section on Pre-Veterinary medicine.

Students will earn academic credit for their Cooperative Education and practicum experiences. Students may receive credit for 8 hours of practicum classes for the Associate Degree and 12 for the Bachelor of Science Degree. Practicum classes are 301, 302, 349 and 389. Students must obtain a "C" average in Department classes.

Programs in the department stress the latest technical information with applications through required laboratories and practicums at the University farms or through cooperative education. The Department operates greenhouses, a plant nursery and specimen garden and turf plots to support the instructional program in horticulture. The University owns and operates approximately 1000 acres devoted to the programs in agriculture. This includes state of the art facilities for beef, dairy, swine, sheep and crop enterprises used in our laboratory and practicum programs. Qualified students may also be employed in both the horticulture and agriculture enterprises through the work study program.

Graduates of the horticulture program pursue careers in golf course management, management in professional sports turf, sales and service areas, professional landscape services, private and public landscape maintenance, greenhouse operations, floral shops and ownership of their own business.

Graduates of the agriculture program pursue careers in the areas of teaching, farm management and operations, financial institutions, private farm operations, sales, technical service, University 4-H and extension agents, soil conservationists, retail store managers, feed sales and food plant supervisors.

Graduates of the BS degree program in Career and Technical Education - Agriculture Education Option are prepared for teaching careers in secondary schools. They are prepared to lead programs in horticulture and agriculture and to advise their chapter's FFA members in carrying out their annual program of activities.

Numerous opportunities are available for extracurricular activities to complement the academic training. These include the Agriculture Club, Horticulture Club, Delta Tau Alpha (honorary society), student chapter of the Golf Course Superintendents Association of America, Agronomy Club and Pre-Vet Club. Numerous local and national trips are taken to expand students learning experiences.

### **Baccalaureate Degrees**

#### **AGRICULTURE WITH MINOR IN BUSINESS\*\* (B.S.)**

*CIP Code: 01.0301*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>38 hours</b>
Standard General Education program, excluding course categories 09, 13, and 14. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>8 hours</b>
BIO 121 and CHE 101.	
<b>Free Electives .....</b>	<b>7 hours</b>
<b>Minor Requirements* .....</b>	<b>21 hours</b>
<b>Major Requirements .....</b>	<b>53 hours</b>
AGR 125, 126, 130, 131, 210, 213, 215, 304, 305, 308, 310 or 350, 411; four hours from AGR 301, 302, or 349; 20 hours in AGR and/or OHO upper division electives with a maximum to eight hours in any option area.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\*CCT 201 may be used for the business minor in this degree option.

\*\*Minor in other fields may be substituted if approved by department chair and Dean of the College of Business and Technology. Students completing requirements in the Pre-Veterinary Medicine Program with a minor in chemistry will be designated Agriculture/Pre-Veterinary majors.

#### **AGRICULTURE (B.S.) AREA MAJOR**

*CIP Code: 01.0301*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>38 hours</b>
Standard General Education program, excluding course categories 03, 09, 13 and 14. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>17 hours</b>
ACC 201, BIO 121, CHE 101, ECO 230; CIS 212 or CCT 201 or CSC 104.	
<b>Free Electives .....</b>	<b>9-13 hours</b>
<b>Major Requirements .....</b>	<b>59-63 hours</b>
<b>Core .....</b>	<b>45 hours</b>
AGR 125, 126, 130, 131, 210, 213, 215, 304, 305, 308, 310 or 350, 411; four hours from AGR 301, 302, or 349; 12 hours of upper division AGR and/or OHO electives; and one of the following options:	

<b>Agribusiness Management: .....</b>	<b>15 hours</b>
AGR 315, 321, 381, 409, and 440.	
<b>Agriculture Systems Management: .....</b>	<b>14 hours</b>
AGR 272, 318, 362, 381, and 383.	
<b>Agronomy and Natural Resources: .....</b>	<b>15 hours</b>
AGR 312 or 345; 315, 321, 340, and 416.	
<b>Dairy Herd Management: .....</b>	<b>14 hours</b>
AGR 225, 321, 375, and 380.	
<b>Livestock Production: .....</b>	<b>18 hours</b>
AGR 225, 321, 327, 328, and 409.	
<b>Soils .....</b>	<b>16 hours</b>
AGR 312 or 345; 315, 317, 318, 340, and 416.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

### **CAREER AND TECHNICAL EDUCATION**

#### **AGRICULTURE EDUCATION TEACHER CERTIFICATION TEACHING (B.S.) AREA MAJOR**

*CIP Code: 13.1320*

Offered in cooperation with the Department of Technology. See Department of Technology - Agriculture Education Option. This curriculum entails all requirements necessary for teacher certification for agriculture education.

#### **HORTICULTURE WITH MINOR IN BUSINESS (B.S.)**

*CIP Code: 01.0603*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>34 hours</b>
Standard General Education program, excluding course categories 09, 13, 14, and 15. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
BIO 121 and 131; CHE 101.	
<b>Free Electives .....</b>	<b>9 hours</b>
<b>Minor Requirements* .....</b>	<b>21 hours</b>
<b>Major Requirements .....</b>	<b>51 hours</b>
OHO 131, 132, 351; AGR 210, 213, 215, 304, 305, 308, 315, 411; twelve hours from OHO 370 or 384; OHO 371, 385 or AGR 417; OHO 372 or 388; OHO 391 or 389; four hours from OHO 301, 349; and seven hours upper division OHO and/or AGR electives.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\*CCT 201 may be used for the business minor in this degree option.

\*\*Minor in other fields may be substituted if approved by department chair and Dean of the College of Business and Technology.

#### **HORTICULTURE (B.S.) AREA MAJOR**

*CIP Code: 01.0603*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>34 hours</b>
Standard General Education program, excluding course categories 03, 09, 13, 14, and 15. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>21 hours</b>
BIO 121 and 131, CHE 101; ACC 201, ECO 230; CIS 212 or CCT 201 or CSC 104.	
<b>Free Electives .....</b>	<b>12 hours</b>

<b>Major Requirements</b> .....	<b>60 hours</b>
<b>Core</b> .....	<b>42 hours</b>
OHO 131, 132, 351, AGR 210, 213, 215, 304, 305, 308, 315, 349 (4), 409, 411; seven hours of upper division electives from AGR and/or OHO electives, and one of the following options:	
<b>Floriculture/Greenhouse Management:</b> .....	<b>18 hours</b>
OHO 301 (1), 352, 362E, 364, 384 or 385, 388, 389, and AGR 417.	
<b>Landscape Horticulture:</b> .....	<b>18 hours</b>
OHO 261, 262, 370, 371 or 372, 391 and 392.	
<b>Turfgrass Management</b> .....	<b>18 hours</b>
OHO 301 (1), 352, 354, 362A, 362G, 370, 410 (2); AGR 362 and 416, and (1) hour OHO and/or AGR upper division.	
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

## Associate Degree

### **TECHNICAL AGRICULTURE (A.S.)**

*CIP Code: 01.9999.01*

<b>Supporting Course Requirements</b> .....	<b>17 hours</b>
BTO 100, six hours of English composition*, three hours of general education humanities*, ECO 230, CHE 101 or 105.	
<b>Free Electives</b> .....	<b>4 hours</b>
<b>Major Requirements</b> .....	<b>43 hours</b>
<b>Core</b> .....	<b>31 hours</b>
AGR 130 & 131 or OHO 131 & 132, AGR 210, 213, 215, 304, 305, 308; 6 hours of practicum; 4 hours departmental electives, and one of the following options:	
<b>Agricultural Systems Management</b> .....	<b>12 hours</b>
AGR 272, 301(1), 362, 381 and 383.	
<b>Agribusiness Management</b> .....	<b>12 hours</b>
AGR 310, 350, 409, 440.	
<b>Floriculture/Greenhouse Management</b> .....	<b>12 hours</b>
OHO 362E, 364, 388, 389; 384 or 385.	
<b>Landscape Horticulture</b> .....	<b>12 hours</b>
OHO 261, 262; 370 or 391; 371 or 372.	
<b>Livestock Management</b> .....	<b>12 hours</b>
AGR 125, 126, 321; 327 or 328 or 380.	
<b>Turfgrass Management</b> .....	<b>12 hours</b>
AGR 362, OHO 301 (1), 351, 352 and 370.	
<b>Total Curriculum Requirements</b> .....	<b>64 hours</b>

\*Courses meeting general education requirements.

## Minors

### **MINOR IN AGRICULTURE**

<b>Requirements</b> .....	<b>18 hours</b>
---------------------------	-----------------

A minor consists of 18 hours of agriculture classes arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for a minor. Six or more hours shall be upper division courses and a minimum of six hours are to be taken at EKU. Courses counted toward a horticulture major may not be counted toward a minor. Transfer classes are to be evaluated by the Department Chair.

### **MINOR IN HORTICULTURE**

<b>Requirements</b> .....	<b>18 hours</b>
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A minor consist of 18 hours of ornamental horticulture classes arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for a minor. Six or more hours shall be upper division courses and a minimum of six hours are to be taken at EKU. Courses counted toward an agriculture major may not be counted toward a minor. Transfer classes are to be evaluated by the Department Chair.

### **MINOR IN SOILS**

<b>Requirements</b> .....	<b>20 hours</b>
---------------------------	-----------------

A core of courses consisting of 19 hours may be taken for a minor in soils. Courses are AGR 130, 131, 215, 315, 317, 318, 340, and AGR 416. At least 6 hours must be taken at EKU. Transfer classes are to be evaluated by the Department Chair. No more than 9 hours of course work taken toward a major may be counted toward the soils minor.

## Pre-Professional

### **PRE-VETERINARY MEDICINE**

The Eastern Kentucky University program in pre-veterinary medicine is administered by the Department of Agriculture. Although Kentucky does not have a school of veterinary medicine, the state participates as a member of the Southern Regional Educational Board Plan under which legal Kentucky residents attend Auburn University School of Veterinary Medicine or Tuskegee Institute School of Veterinary Medicine. The program is funded by an appropriation of the General Assembly to the Kentucky Council on Post-Secondary Education.

A limited number of students who are legal residents of Kentucky and have completed pre-veterinary requirements are selected by Auburn (34 positions) or Tuskegee Institute (two positions) each year to enter professional training in veterinary medicine at the respective schools. Students enter the four-year program of the veterinary school at the beginning of the fall term and are approved for succeeding years as long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn. Selection is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the respective schools.

Each of the two veterinary schools have similar entrance requirements and each requires a minimum grade point average of 2.5 on a 4.0 scale. Tuskegee requires the VAT and Auburn requires the GRE examination. Students should work closely with the pre-vet advisor concerning their program and should have a grade point average of 3.4 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of "D" in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and courses in organic chemistry and physics must have been completed within six years of entry into the School of Veterinary Medicine.



Application to Auburn under the Kentucky program is made beginning in the fall of the year preceding that of admission. Students may apply through the Pre-Vet advisor or through the Veterinary Medical College Application Service (VMCAS). The application deadline is October 1. Students should follow application instructions regarding updating of their transcripts and course work at the school to which they apply. Students should work closely with the pre-veterinary advisor in making certain that all requirements are met. There are some specific alternatives depending on a student's background.

A pre-vet student at Eastern Kentucky University has the following alternatives while proceeding through the program of study:

1. Complete the pre-vet curriculum in three years and apply for admission into a school of veterinary medicine. Students may receive a B.S. degree from EKU by transferring credits from the first year of veterinary school back to EKU and by completing all general education/University requirements.
2. Earn a B.S. degree at EKU with an agriculture, biology, chemistry, or other appropriate major during the fourth year while completing the pre-veterinary curriculum.
3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the University farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

#### Requirements at Auburn for Students without a Bachelors Degree

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

BTO 100, AGR 125, 126, 321, 372A, 421, BIO 121, 141, CHE 111, 112, 361, 362, 366, 367, ENG 101, 102 (or 105 or HON 105), ENG 211, 212, Category 7 (ART, MUS, or THE), Category 08, 09, 10, 11, and 12, MAT 109 or 261, PHY 131 and 132. Plus three additional credit hours of science electives. Refer to Section Four of this *Catalog* for details on the General Education and University Requirements.

**Total Curriculum Requirements ..... 83-85 hours**

#### Requirements at Auburn for Students with a Bachelors Degree

AGR 421 .....	3
AGR 372A .....	1
BIO 121 .....	4
BIO 141 .....	4
CHE 111 .....	3
CHE 112 .....	5
CHE 361 .....	3
CHE 366 .....	1
CHE 362 .....	3
CHE 367 .....	1
PHY 131 .....	5
PHY 132 .....	5
Science Electives .....	6

#### \*\*Recommended Science Electives for Auburn:

AGR 321 .....	3
AGR 373 .....	3
AGR 374 .....	3
AGR 375 .....	3
AGR 376 .....	3
BIO 315 .....	4
BIO 320 .....	4
BIO 342 .....	4
BIO 348 .....	4
BIO 371 .....	4

#### Students Not Accepted at Auburn After Their Junior Year

These students may continue for a Bachelors Degree. Because of the courses in The Pre-Vet Curriculum most students continue their studies in either Agriculture, Biology or Chemistry, although a degree in any major is possible. Students who do not get into Auburn after their Junior year may reapply.

Because of the large number of applications and limited number of acceptances the student should choose a secondary career goal.

## EKUBUSINESS

### MISSION OF EKUBUSINESS

EKUBusiness is committed to being the "school of opportunity" of choice in its region. EKUBusiness prepares future business leaders to compete in global markets through emphasis on quality instruction. To broaden career horizons, EKUBusiness encourages students to participate in on- and off-campus professional developmental activities. EKUBusiness engages talented faculty who excel in teaching and who expand their academic and instructional knowledge through research. EKUBusiness develops partnerships that foster regional development and that enable stakeholders to compete in domestic and international markets.

### GOALS OF EKUBUSINESS

EKUBusiness, to fulfill the above mission, pursues continuous improvement through the following goals: (1) Provide curricula and experiences, both academic and applied, that enable graduates to successfully pursue careers in their field of study; (2) Perform research that leads to applied and instructional intellectual contributions with MBA Faculty performing some basic research; (3) Provide service to key constituencies including the regional business community and academic and professional organizations at all levels.

### BBA DEGREE REQUIREMENTS

General University requirements, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate business programs administered by the College of Business and Technology. See programs under each department for major requirements. Academic Orientation course (BTO 100) is required in all Business programs. The requirements for the Bachelor of Business Administration (BBA) degree are as follows:

1. A cumulative 2.0 GPA must be maintained in all work taken in the BBA programs.
2. The University requires that students earn at least 32 semester hours at ECU and that 30 of the last 36 hours taken must have been earned in residence at ECU.
3. Hours earned by correspondence study are accepted upon written approval of the Dean. However, not more than 25 percent of the total hours applied toward a degree may be earned via correspondence or telecourse instruction, military credit, or credit by examination.
4. Not more than 50 percent of undergraduate course work shall be completed in the *EKUBusiness* programs. However, up to nine semester hours of economics and up to six semester hours of mathematics/statistics will not be included in this 50 percent.
5. At least 50 percent of the business course credit hours required for the BBA degree must be completed at ECU.
6. A minimum of an overall 2.25 GPA is required in the following courses:

**Supporting Courses:** MAT 211 (or MAT 107 combined with QMB 240), SOC 131, ECO 230, and 231;

**Pre-Business Core:** ACC 201, 202, GBU 204, and QMB 200;

**Business Core:** CCT 300, CIS 300, FIN 300, MGT 300, 370, MKT 300, and GBU 480.

CCT 300 should be taken in first six hours of upper division course work. Students must complete all business core courses prior to taking GBU 480.

Students are urged to review carefully all course prerequisites, including the 60-hour rule before scheduling 300-level business courses. Failure to satisfy prerequisites may result in the student being administratively withdrawn from courses.

7. At least 12 hours in the major must be earned at ECU. A grade of "C-" or better is required for each course in the major.
8. Students must choose a major field at the time they enter an *EKUBusiness* program. Students must meet with and have schedules approved by the faculty advisor.
9. A second major can be completed in *EKUBusiness* or in another program of the University. A third business major is not permitted. Because business students take the business core, they are limited to selected minors offered by *EKUBusiness*.

Free elective requirements for bachelor's degree programs in *EKUBusiness* cannot be met by choosing courses taught in Business. (See No. 4, BBA under degree requirements.)

### PREREQUISITE STRUCTURE IN *EKUBUSINESS*

The *EKUBusiness* curriculum is highly structured and carefully integrated. The content and methodology utilized in upper-division courses are based upon the assumption that students enrolled in these courses have matriculated through a specific series of lower-division courses which provide students with competencies needed for successful participation in upper-division business courses.

### ENROLLMENT IN UPPER-DIVISION *EKUBUSINESS* COURSES

To enroll in upper-division **business-core** courses (CCT 300, CIS 300, FIN 300, MKT 300, MGT 300, 370, and GBU 480) students must have:

1. completed MAT 107 and QMB 240 or MAT 211 and QMB 200, ACC 201, ACC 202, and ECO 230 with a grade of "C-" or better in each course.
2. completed a minimum of 60 hours (or enrolled in enough additional course work to complete their 60th credit hour) with a cumulative 2.0 GPA.
3. met the prerequisite(s) for the specific course.

To enroll in other upper-division business courses, students are required to have met the specific prerequisite(s) for each course and have earned an overall 2.0 GPA. Students majoring in other departments whose planned curriculum includes selected business courses (by virtue of agreements of sponsoring departments with a business program) must also adhere to all specified course prerequisites.

### BACHELOR OF SCIENCE IN BUSINESS AND MARKETING EDUCATION/TEACHING

The Department of Management, Marketing, and Administrative Communication, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in high school. For admission requirements, see **Admission to Teacher Education** and **Admission to Student Teaching** sections in the College of Education portion of this *Catalog*. Also see **Policies** and **Requirements** sections in the same portion of this *Catalog*. Students in these programs must meet the business prerequisites as noted. Students interested in business teacher certification should consult the Chair of the Department of Management, Marketing, and Administrative Communication.

### TRANSFER STUDENTS AND STUDENTS FROM OTHER ECU COLLEGES

Transfer students must have completed at least 60 semester hours of course work and all the requirements listed above to be eligible for upper-division business courses. BBA program requirements for transfer students are the same as those for students enrolling initially at ECU.

*EKUBusiness* considers lower-division credits transferred to ECU as lower division, even if ECU offers what appears to be a comparable course at the upper-division level. However, the dean of the College of Business and Technology may accept individual courses at ECU if the courses are validated using acceptable validation techniques. CLEP and departmental exams are examples of possible validation techniques. With specified courses in real estate and accounting, the successful completion of advanced courses in the subject field for which the transfer course is a foundation or supporting requirement is an acceptable validation method. A successfully validated lower-division transfer course may not be utilized to fulfill the 43-hour upper-division graduation requirement.

**CERTIFIED PUBLIC ACCOUNTANT (CPA)**

The Kentucky legislature has mandated that students taking the CPA exam in the year 2000 and thereafter must have completed 150 semester hours. Therefore, accounting graduates seeking the CPA designation will need to complete additional undergraduate or graduate hours.

## DEPARTMENT OF ACCOUNTING, FINANCE, AND INFORMATION SYSTEMS

**Chair**

**Dr. Jessica Johnson Frazier**  
(859) 622-1087  
Combs 320

**Faculty**

**T. Bhattacharya, V. Brewer, D. Carr, R. Chen, O. Feltus,  
E. Fenton, R. Fern, S. Gakpo, G. Gonsalves, B. Hill, K. Jones,  
P. Kensicki, R. Lee, C. Lin, S. Loy, J. Payne, T. Randles,  
M. A. Robinson, R. Robinson, R. Rogow, L. Schneek,  
J. C. Thompson, and D. Thorne**

**Baccalaureate Degrees****ACCOUNTING (B.B.A.)***CIP Code: 52.0301*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12-15 hours</b>
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>8-11 hours</b>
<b>Business Requirements</b>	
<b>Pre-Business Core .....</b>	<b>12 hours</b>
ACC 201, 202; GBU 204; QMB 200.	
<b>Business Core .....</b>	<b>21 hours</b>
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
<b>Major Requirements .....</b>	<b>28 hours</b>
ACC 250, 301, 302, 322, 327, 350, 425, 441, and six elective hours (three from ACC 523, 501, 442, 521, 527 or 440; and an additional three from this list or a non-accounting course approved by advisor, or ACC 349).	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**COMPUTER INFORMATION SYSTEMS (B.B.A.)***CIP Code: 52.1201*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12-15 hours</b>
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>9-12 hours</b>
<b>Business Core Requirements</b>	
<b>Pre-Business Core .....</b>	<b>12 hours</b>
ACC 201, 202; GBU 204; QMB 200.	
<b>Business Core .....</b>	<b>21 hours</b>
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
<b>Major Requirements .....</b>	<b>27 hours</b>
CIS 215, 250, 370, 375, 380, 435, 480, six hours upper division computer information systems electives above core.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**FINANCE (B.B.A.)***CIP Code: 52.0801*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12-15 hours</b>
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>9-15 hours</b>
<b>Business Requirements</b>	
<b>Pre-Business Core .....</b>	<b>12 hours</b>
ACC 201, 202; GBU 204; QMB 200.	
<b>Business Core .....</b>	<b>21 hours</b>
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
<b>Major Requirements .....</b>	<b>24-27 hours</b>
QMB 300; FIN 301, 350; and one of the following options:	
<b>Managerial Finance Option:</b>	
FIN 401, 455, ACC 301, 302, 327, 350.	
<b>General Finance Option:</b>	
FIN 324, 401, 405, 420, 455, and three hours from RST 310, 330 or FIN 304.	
<b>Real Estate Finance Option:</b>	
FIN 304, 405; RST 310, 330, 401.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>



**INSURANCE (B.B.A.)**

CIP Code: 52.0805

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12-15 hours</b>
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>12-15 hours</b>
<b>Business Requirements</b>	
<b>Pre-Business Core .....</b>	<b>12 hours</b>
ACC 201, 202; GBU 204; QMB 200.	
<b>Business Core .....</b>	<b>21 hours</b>
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
<b>Major Requirements .....</b>	<b>24 hours</b>
INS 370, 372, 374, 378, 486, and nine additional hours of insurance electives may be taken from the following: INS 349 -- up to a maximum of six hours, INS 380, 476, and 474, INS 400-- up to a maximum of six hours total, INS 490 -- up to a maximum of six hours; APS 350, 351, APS 352, 438, 465, FSE 221, 322, 350, 361, 366, TRS 332, and 342.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Minors****MINOR IN COMPUTER INFORMATION SYSTEMS**

A minor in computer information systems is offered for students in programs other than in Business. The minor consists of 18 hours of computer information systems courses including CIS 250, 355, 380, 435, and six hours of upper division computer information systems courses or approved upper-division equivalent computer courses. At least 12 hours of the minor must be earned at ECU. Students pursuing the computer information systems minor must maintain a 2.25 GPA on all work counting toward the minor.

**MINOR IN INSURANCE AND RISK MANAGEMENT**

Designed for the non business major, the minor consists of 18 hours including three hours of a required accounting course, nine hours of required Insurance courses and six hours of approved Insurance electives.

Students must earn at least 12 of the 18 hours used for the minor in residence at ECU and must maintain a cumulative GPA of 2.0 in all courses comprising the minor.

**MINOR IN REAL ESTATE**

The 18-hour real estate minor for non-business majors includes six hours of required business courses, 9 hours of required real estate courses, and three hours of real estate electives. The required business courses must be completed with a grade of "C-" or better prior to enrolling in any required real estate or real estate elective course. Students minoring in real estate must earn at least 12 hours of the total hours used for the minor in residence at ECU and maintain a cumulative GPA of 2.25 in all courses comprising the minor.

<b>Required Business Courses .....</b>	<b>6 hours</b>
ACC 201 and ECO 231.	
<b>Required Real Estate Courses .....</b>	<b>9 hours</b>
RST 310, 320, and 330.	
<b>Real Estate Electives .....</b>	<b>3 hours</b>
Any three hour upper division RST elective course for which prerequisites have been met.	

**Certificates****CERTIFICATE IN ACCOUNTING**

The Certificate in Accounting is designed to prepare individuals who have a bachelor's degree in another field for entry into the accounting profession. This program satisfies the Kentucky requirement that individuals taking the CPA Exam have a bachelor's degree in accounting or the equivalent.

Requirements include a bachelor's degree from an accredited college or university, with a minimum of college algebra (MAT 107 at ECU), and completion of the following courses:

<b>Supporting Course Requirements .....</b>	<b>6 hours</b>
QMB 200, ECO 230 or 231.	
<b>Major Requirements .....</b>	<b>34 hours</b>
ACC 201, 202, 250, 301, 302, 327, 322, 350, 441, 440 and six hours from ACC 523, 501, 425 or 521.	
<b>Total Curriculum Requirements .....</b>	<b>40 hours</b>

**CERTIFICATE IN REAL ESTATE**

The Certificate in Real Estate is designed to prepare applicants for licensure as real estate brokers or certification as real property appraisers in Kentucky.

Requirements include completion of at least 45 semester college level hours and permission of the Chair of the Department or a valid real estate sales associate license or state-certified residential appraiser certificate and completion of the following courses:

<b>Requirements .....</b>	<b>12 hours</b>
RST 310, 320 (or 410), 330, 401.	
<b>Total Curriculum Requirements .....</b>	<b>45 hours</b>

## DEPARTMENT OF MANAGEMENT, MARKETING, AND ADMINISTRATIVE COMMUNICATION

### Chair

Dr. Norb Elbert  
(859) 622-1377  
Combs 215

### Faculty

M. Andersen, F. Awang, P. Brewer, S. Brown, L. Carnes,  
W. Davig, A. Engle, S. J. Garner, T. McGlone, R. Powers,  
M. Robertson, M. Robles, C. Siegel, J. Spain, K. Tabibzadeh,  
and J. Vice

### Baccalaureate Degrees

#### CORPORATE COMMUNICATION AND TECHNOLOGY (B.B.A.)

*CIP Code: 52.0204*

University Requirement .....	1 hour
BTO 100.	
General Education Requirements .....	40-43 hours
Standard General Education program, excluding general education course categories 09, 12, and 21; and category 20 for the Managerial Communication and Training Option. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
Supporting Course Requirements .....	12-15 hours
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
Free Electives (non business) .....	8-11 hours
Business Requirements	
Pre-Business Core .....	12 hours
ACC 201, 202; GBU 204; QMB 200.	
Business Core .....	21 hours
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, and GBU 480.	
Major Requirements .....	28-31 hours
CCT 106 (1 hour), 200, 210, 250, 302, and one of the following options:	
<b>Technology Applications and Design Option:</b>	
CCT 290 or CIS 230; CCT 303, 349, 570, 580.	
<b>Managerial Communication and Training Option:</b>	
CCT 520, 550, 570; CMS 100, 300; PUB 375.	
Total Curriculum Requirements .....	128 hours

#### GENERAL BUSINESS (B.B.A.)

*CIP Code: 52.0101*

University Requirement .....	1 hour
BTO 100.	
General Education Requirements .....	43 hours
Standard General Education program, excluding general education course categories 09, 12, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	

Supporting Course Requirements .....	12-15 hours
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
Free Electives (non business) .....	9-12 hours
Business Requirements	
Pre-Business Core .....	12 hours
ACC 201, 202; GBU 204; QMB 200.	
Business Core .....	21 hours
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
Major Requirements .....	18-27 hours
CIS 400, GBU 201, and one of the following options:	
<b>General Business Option:</b>	
Three hours in a 400 level Marketing Course, three hours in Finance (FIN 301, 302, 304, 324, or 330), and three hours in Management (MGT 320, 330, 406, 430, or 470), and one additional approved upper-division course from finance, marketing, or management.	
<b>International Business Option:</b>	
Six hours of foreign language; MGT 430, MKT 400, and FIN 330; and either six hours of approved upper-division courses in business or economics (ECO 394), or six hours in an approved international program (e.g. international co-op, internship, or study-abroad program).	
<b>General Business Option only:</b>	
Approved Business Electives .....	9 hours
Total Curriculum Requirements .....	128 hours

#### MANAGEMENT (B.B.A.)

*CIP Code: 52.0201*

University Requirement .....	1 hour
BTO 100.	
General Education Requirements .....	43 hours
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
Supporting Course Requirements .....	12-15 hours
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
Free Electives (non business) .....	9-12 hours
Business Requirements	
Pre-Business Core .....	12 hours
ACC 201, 202; GBU 204; QMB 200.	
Business Core .....	21 hours
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
Major Requirements .....	21 hours
MGT 320, 400, 480, and one of the following options:	
<b>Management Option:</b>	
12 hours of approved management electives above the core.	
<b>Human Resource Management Option:</b>	
MGT 410, 425, 440, 445.	
Approved Business Electives .....	6 hours
Total Curriculum Requirements .....	128 hours

**MARKETING (B.B.A.)***CIP Code: 52.1401*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program, excluding general education course categories 09, 12 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12-15 hours</b>
MAT 211 or the combined courses of MAT 107 and QMB 240; SOC 131; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>9-12 hours</b>
<b>Business Requirements</b>	
<b>Pre-Business Core .....</b>	<b>12 hours</b>
ACC 201, 202; GBU 204; QMB 200.	
<b>Business Core .....</b>	<b>21 hours</b>
CCT 300, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480.	
<b>Major Requirements .....</b>	<b>24 hours</b>
MKT 350, 400, 455 and 15 hours of approved marketing electives above the core.	
<b>Approved Business Electives .....</b>	<b>3 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**BUSINESS AND MARKETING  
EDUCATION/TEACHING (B.S.)***CIP Code: 13.1303*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>40 hours</b>
Standard General Education program, excluding general education course categories 03, 09, 12, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
MAT 107 and QMB 240; ECO 230, 231.	
<b>Free Electives (non business) .....</b>	<b>1 hour</b>
<b>Teacher Education Requirements .....</b>	<b>31 hours</b>
EDF 103, 203, 319, 413, ESE 490, 499, 573 and SED 401.	
<b>Business Core .....</b>	<b>15 hours</b>
CIS 300, FIN 300, GBU 204, MGT 300, and QMB 200.	
<b>Major Requirements .....</b>	<b>28 hours</b>
ACC 201, 202, 250, CCT 101, 200, 201, 302, 570; MKT 300 and three hours from MKT 304, 310, 320 or 400.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Associate Degree****OFFICE SYSTEMS AND TECHNOLOGIES (A. A.)***CIP Code: 52.0401*

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>15 hours</b>
ENG 101, 102, three hours of Humanities, three hours of Math or Science, CMS 100.	

<b>Free Electives (non business) .....</b>	<b>4 hours</b>
<b>Business Requirements</b>	
<b>Supporting Course Requirements .....</b>	<b>16 hours</b>
ACC 201, 202, 250, ECO 230 or 231, GBU 204, CCT 349 or ECO 230 or 231.	
<b>Major Requirements .....</b>	<b>28 hours</b>
CCT 101, 106 (1 hour), 200, 201, 210, 250, 280, 290, 302, 303.	
<b>Total Curriculum Requirements .....</b>	<b>64 hours</b>

**Minors****MINOR IN BUSINESS**

The Business Minor is offered for students majoring in programs other than in Business. The minor consists of 21 hours including 18 hours of required courses and three hours of supporting courses. To enroll in an upper-division, business core course in the minor, students must (a) have completed ACC 201, ACC 202, and ECO 230 with a C- or better, (b) have completed a minimum of 60 hours, and (c) have met the prerequisite of the specific course. Students minoring in business must earn at least 12 of the total hours used for the minor in residence at ECU and attain a cumulative GPA of 2.0 in all courses comprising the minor.

<b>Required Courses .....</b>	<b>18 hours</b>
ACC 201, 202 and four courses from the following: CCT 300, CIS 300, FIN 300, GBU 204, MGT 300, MKT 300.	
<b>Supporting Course .....</b>	<b>3 hours</b>
ECO 230.	
<b>Total Requirements .....</b>	<b>21 hours</b>

**MINOR IN MANAGERIAL COMMUNICATION  
(for business majors only)**

The managerial communication minor is offered for business (BBA) majors who want to increase their communication effectiveness in their major field of study. The minor is designed to provide training in interpersonal communication, oral and written presentations, research and reporting, and production of other business publications/communications. These skills are transferable to any profession and are crucial in tasks such as communicating organizational change, establishing and implementing goals, communicating internally, relating to employees, dealing with the public, and addressing the media. The managerial communication minor consists of the following courses (18 hours) with 50 percent (nine hours) taken in residence at ECU:

<b>Required Courses .....</b>	<b>18 hours</b>
CCT 201 or 300 (whichever has not been completed as part of the business core); CCT 200, 250, 302, 450, and PUB 375.	
Courses taken toward a major may <u>not</u> be counted toward the minor in managerial communication. Substitute courses must be approved by the department chair.	



**MINOR IN OFFICE ADMINISTRATION**

An office administration minor is available to students in any college and consists of the following courses (18 hours) with at least 50 percent (nine hours) taken in residence at EKU:

**Required Courses ..... 18 hours**

CCT 200, 201 or 300, 250, 290 or CIS 230, 302, and 303.

Courses taken toward a major may not be counted toward the minor in office administration.

## DEPARTMENT OF COMMUNICATION

**Chair**

**Dr. Maureen Everett**  
(859) 622-1871

Alumni Coliseum 109

**Faculty**

**J. Almjdeld, D. Cannon, E. Fraas, S. Haggerty, E. Hansen, M. Hesse, M. J. Nead, D. Robinette, D. Rogers, K. Rudick, C. Swindell, J. Taylor, A. Thieme, J. Violette, F. Wellman, and D. Woolverton**

The Department of Communication offers four-year Bachelor of Arts degree programs in four areas: Broadcasting and Electronic Media, Communication Studies, Journalism, and Public Relations.

Graduates of the Broadcasting and Electronic Media program pursue careers in the broadcasting industry, as well as in cable companies, industrial and corporate video facilities, advertising agencies and production houses.

Graduates of the Journalism program find jobs with newspapers, newsletters, magazines, businesses, governmental public information offices, and advertising firms.

Graduates of the Public Relations program pursue careers with corporations, non-profit organizations, education, government and public relations agencies. Activities include writing and producing newsletters, news releases and speeches and planning events.

Graduates of the Communication Studies program pursue careers in labor relations, human resources, tourism, banking, corporate relations, sales and other areas. Activities might include conflict resolution, negotiation, assessment of client/business needs, doing a communication audit of a company or administration.

The department also offers minors in Advertising, Broadcast News, Broadcasting and Electronic Media, Communication Studies, Dispute Resolution, Journalism, Public Relations, and Visual Media.

Two student media productions are supervised by the department: the student newspaper, *The Eastern Progress*; and a television news show, Madison County Cable News. Majors and non-majors can receive academic credit for work on some productions.

Some courses may require special skills and equipment such as the ability to keystroke a minimum of 25 words per minute. Instructors will notify students of these requirements at the first class meeting.

The department supervises the campus Mediation Center in conjunction with the Office of Student Affairs. Students who have successfully completed CMS 450 Mediation can receive academic credit for work at the Mediation Center.

Students may earn up to 16 credit hours toward their degree by enrolling in co-op education courses. Credit for additional practical experience may be earned through practicums. Students majoring or minoring in the Department of Communication are required to attain a minimum grade of C in all courses (core and supporting) for a major or minor and a 2.25 or better average in all courses (core and supporting) required for the major or minor.

**Baccalaureate Degrees****BROADCASTING AND ELECTRONIC MEDIA (B.A.)**

*CIP Code: 09.0701*

**University Requirement ..... 1 hour**  
BTO 100.

**General Education Requirements ..... 52 hours**  
Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Free Electives ..... 35 hours**

**Major Requirements ..... 40 hours**

**Broadcasting & Electronic Media Core ..... 22 hours**  
BEM 240, 295 (4), 300; 370 (4) or 395 (4), 343 (1) or 349 (1) or 373 (1) or 398 (1), BEM 415 or COM 405; COM 200, 491 (1).

**Options ..... 18 hours**

**General:**

3 hours selected from BEM 375 or COM 201, 3 hours selected from BEM 375, 495, COM 201, 301, 325, 330, or 353, 12 hours selected from BEM 225, 340, 370, 375, 395, 401, 402, 410, 415, 425, 440, 495 (4), COM 201, 300, 301, 320 (3) (A-I), 325, 330, 353, 405, 415, 420, 425, 430, 445, 471, JOU 325, PUB 375, 380.

**Broadcast News:**

COM 201, 301, BEM 401, 402, and 6 hours selected from BEM 225, 340, 370, 375, 410, 415, 425, 440, 495 (4), COM 300, 320 (3) (A-I), 330, 405, 415, 420, 430, 445, JOU 305, 325, 480, PUB 375, 380.

**Total Curriculum Requirements ..... 128 hours**

**COMMUNICATION STUDIES (B.A.)**

*CIP Code: 09.0101*

**University Requirement ..... 1 hour**  
BTO 100.

**General Education Requirements ..... 49 hours**  
Standard General Education program, excluding course category 20. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Free Electives ..... 27 hours**

**Major Requirements ..... 51 hours**

CMS 200, 205, 210, 250, 300, 305, 310, 315 and/or 349 (3 hours), 320, 325, 350, 375, 406, 410, 420, 450, 475.

**Total Curriculum Requirements ..... 128 hours**

**JOURNALISM (B.A.)**

CIP Code: 09.0401

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on General Education and University requirements.	
<b>Free Electives .....</b>	<b>20 hours</b>
<b>Minor Requirements .....</b>	<b>18 hours</b>
Journalism students must complete a minor in an area outside the Department of Communication.	
<b>Major Requirements .....</b>	<b>37 hours</b>
COM 200, 201, 301, and 491 (1), JOU 302 (1), 305, 310, 325, 401, 425, COM 405, and 8 hours selected from JOU 302, 307, 410, 415, 450, 480, COM 320A-I (up to 4 hours), 330, 415, 430, or 471.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**PUBLIC RELATIONS (B.A.)**

CIP Code: 09.0902

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>49 hours</b>
Standard General Education program excluding Category 12. Refer to Section Four of this <i>Catalog</i> for details on General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>21 hours</b>
COM 320 (3) A-I, 420, ECO 130 or higher, MGT 301 or BEM 425, POL 101 and six hours from the following courses: COM 301, 309, 325, 390, 425, GCM 211, or MKT 301.	
<b>Free Electives .....</b>	<b>21 hours</b>
<b>Major Requirements .....</b>	<b>36 hours</b>
BEM 295(4); 375, COM 200, 201, 405, and 491(1), JOU 305, 325 or TEC 313, PUB 375, 378 (1), 380, 475, 490.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Minors****MINOR IN ADVERTISING**

<b>Requirements .....</b>	<b>21 hours</b>
Courses required for a minor in advertising are COM 320 A-I (3 hours), 325, 425, 471, MKT 301, 320, and COM 490 or MKT 426. Three hours of COM/MKT courses taken to fulfill requirements for another major may be counted toward the advertising minor.	

**MINOR IN BROADCAST NEWS**

<b>Requirements .....</b>	<b>22 hours</b>
Courses required for a minor in broadcast news are BEM 240, 295(4), 401; COM 201, 301, 405 and three hours from BEM 300, 340, 343, 395(4), 398, 402, 415; COM 415, 430; or JOU 401. Courses counted toward the major may not be counted toward the minor in broadcast news. Substitute courses will be selected by the student and the departmental advisor.	

**MINOR IN BROADCASTING AND ELECTRONIC MEDIA**

<b>Requirements .....</b>	<b>22 hours</b>
Courses required for a minor in broadcasting and electronic media are BEM 300, BEM 375; BEM 240, BEM 295(4), and BEM 415 and two courses selected from BEM 340, 395(4), 343, 398, 410, 425, 440, or COM 471. Courses counted toward a major may not be counted toward the minor in broadcasting and electronic media. Substitute courses will be selected by the student and the departmental advisor.	

**MINOR IN COMMUNICATION STUDIES**

<b>Requirements .....</b>	<b>21 hours</b>
CMS 200, 205, 210, 250, 300, 310, and three hours from the following courses: CMS 310, 320, 325, 375, or 406.	

**MINOR IN DISPUTE RESOLUTION**

<b>Requirements .....</b>	<b>18 hours</b>
Courses required for a minor in dispute resolution are CMS 250, 320, 325, 375, 420, 450. No more than 6 hours of courses taken for a major may be counted toward this minor. Substitute courses will be selected by the student and the departmental advisor.	

**MINOR IN JOURNALISM**

<b>Requirements .....</b>	<b>18 hours</b>
Courses required for a minor in journalism are COM 200, 201, 301, JOU 305, 310, and three hours from JOU 307, 325, or 401. Courses counted toward a major may not be counted toward the minor in journalism.	

**MINOR IN PUBLIC RELATIONS**

<b>Requirements .....</b>	<b>18 hours</b>
Courses required for a minor in public relations are COM 200, 201; BEM 375; PUB 375, 380, and 475. Courses counted toward a major may not be counted toward the minor in public relations. Substitute courses will be selected by the student and the departmental advisor.	

**MINOR IN VISUAL MEDIA**

<b>Requirements .....</b>	<b>20 hours</b>
Courses required for a minor in visual media are COM 320 A-I (3 hours), 325, JOU 325, BEM 295(4), 395(4), and GCM 211(2), GCM 212(1). Courses counted toward a major may not be counted toward the minor in visual media. Substitute courses will be selected by the student and the departmental advisor.	

## DEPARTMENT OF MILITARY SCIENCE AND LEADERSHIP (ARMY)

**Lieutenant Colonel Brett E. Morris**  
Chair and Professor of Military Science  
524 Begley, (859) 622-1205, [brett.morris@eku.edu](mailto:brett.morris@eku.edu)

### Military Science and Leadership Faculty

Major Craig Campbell, Major Lance Patterson, Master  
Sergeant Monty Lash, Sergeant First Class Robert Welch

### **Reserve Officer Training Corps (ROTC)**

Getting a degree doesn't necessarily guarantee employment. Taking Army ROTC will. The Reserve Officer Training Corps (ROTC) is a premier leadership-training program that prepares you to be a leader in any organization or business. ROTC enhances any Bachelors or Masters Degree program by making you better at time management, setting goals, making decisions, building teams, influencing others, and achieving success. The skills you develop in ROTC give you an advantage over your job-seeking peers; and at the end of the program you will have a full-time job waiting for you as a Commissioned Officer in the United States Army or part time in the Army Reserve or National Guard.

### **Career Opportunities**

Commissioning Officers in the United States Army is a privilege reserved for the President of the United States. Students who graduate from Eastern's Army ROTC program are commissioned as Second Lieutenants and serve with other dedicated young men and women in our nation's defense. As new Lieutenants, officers serve in a variety of branches, such as Transportation, Military Police, Engineers, as Army Nurses, etc. and have the opportunity to travel worldwide. Starting salary for an active duty Lieutenant is over \$32,000, plus full individual and family medical coverage and 30 days paid vacation annually. For those who desire only a part-time commitment, the Guaranteed Reserve Forces Duty option gives students assurance they will be able to serve their country from home, adding stability to their chosen civilian career.

### **Leadership Development**

EKU's Department of Military Science and Leadership has a proud reputation dating back to 1936. The program has commissioned over 2,075 officers. The program's unique approach to leadership development gives each student multiple opportunities to refine their own leadership skills and receive individualized performance feedback. Training is designed around a hands-on, experiential learning curriculum. Besides learning how to lead, students build their confidence by learning to rappel, negotiate EKU's new Challenge Course, fire the M-16 rifle, complete water survival training, and other adventure type activities. Students also learn to live the 7 Army Values – Loyalty, Duty, Respect, Selfless Service, Honor, Integrity, and Personal Courage by demonstrating these values as they participate in the Corps of Cadets, the Pershing Rifles Drill Team/Color Guard, Ranger Company, and the Scabbard and Blade National Honor Society.

### **Scholarships and Simultaneous Membership**

Eligible students may compete for a variety of ROTC Scholarships available on-campus and through the Army Reserves and Army National Guard. These fully funded scholarships pay 100% tuition, a \$600 annual book allowance, and a \$250-\$400 monthly tax-free living allowance. Members of the National Guard or Army Reserves who join ROTC under the Simultaneous Membership Program (SMP) may also receive a \$350 monthly SMP Kicker in addition to the tax-free ROTC living allowance, Montgomery GI Bill benefits, and E-5 drill pay.

### **Eligibility and Obligations**

Students may enroll in any of the MSL 100-200 level courses without obligation. Students who desire to seek a commission must sign a contract before entering the Advanced Leadership Course (MSL 300-400 courses); they must also meet certain age, medical, citizenship, security clearance and military experience requirements. Military experience can be satisfied in a variety of methods (check with the ROTC Scholarship and Enrollment Officer at 859-622-1215 for details.) Students contracting into the Advanced Leadership Course will incur a military service obligation upon graduation.

### **Leaders Training Course (LTC)**

One option for students who have no ROTC or military experience is completion of MSL 210, Leaders Training Course. This is a paid 28-day incubator-style practicum emphasizing experiential, hands-on leadership assessment and development. Offered only during the summer sessions. Course is taught at Fort Knox, Kentucky.

### **Scholar-Athlete-Leader**

Becoming an Army Officer doesn't just happen; it requires a level of commitment, determination, and selflessness that few civilian careers will ever demand. Army Officers are intellectually curious, mentally adroit, physically robust, and possess a willingness and passion to take charge and make the right things happen. If you are a Scholar-Athlete-Leader who wants to join the world's most sophisticated Army then join EKU ROTC—*"Where Leadership Excellence Begins."*

## Minor

### **MINOR IN MILITARY LEADERSHIP (ARMY)**

#### **Requirements ..... 24 hours**

A minor in Military Leadership is available to students from any college who wish to obtain a commission as an officer in the United States Army, Army Reserve, or Army National Guard. Students must be contracted in the Advanced Course and complete 24 hours of advanced military science and leadership (MSL 301, 302, 303, 310, 311, 401, 402).



## Air Force Reserve Officers' Training Corps (Air Force ROTC)

Colonel William J. McKinney, Air Force  
(859) 257-7115  
University of Kentucky (Host School)

### AIR FORCE Faculty

P. Grimes, D. Hellums, M. Chamberlan, W. McKinney

Air Force Reserve Officers' Training Corps provides a means for college students to pursue an Air Force commission as an active duty Second Lieutenant while achieving their academic goals in their chosen field of study. AFROTC provides the Air Force with civilian educated officers and provides students with well-paying, challenging positions after graduating from college. Air Force ROTC improves and strengthens the qualities of decision-making, responsibility, and maturity in its students and helps them to develop leadership ability.

### **Commission and Active Duty Requirements**

All students who successfully complete the professional officer course, usually taken during the junior and senior years, and a summer field training course, will be commissioned as Second Lieutenants in the active duty United States Air Force. A leadership laboratory is also a requirement to becoming commissioned and is open to students who are members of the Reserve Officer Training Corps or who are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Students incur a service commitment ranging from four to eight years, depending on the specific program qualifications; although, most are only committed for four years.

### **Admission to the Program**

The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The GMC generally is taken during the first two years of college. It covers two main themes — the contemporary Air Force and its organization and the development and history of air power. The GMC is open to all students and those enrolled in this program incur no military obligation unless the student is on scholarship beginning the first day of the sophomore year. A leadership seminar is also offered during each semester. During these sessions cadets learn Air Force customs and courtesies, proper wear of the uniform, and the fundamentals of Air Force drill and ceremonies. The freshman course is taught on-campus at Eastern Kentucky University and at the University of Kentucky. The leadership seminar is available at the University of Kentucky. Students initially registering for the GMC should sign up for these classes in the same manner they register for other college courses. Normally, students will enroll in both the academic class and leadership seminar.

The last two years, called the Professional Officer Course (POC), is normally taken during the junior and senior years of college. The POC curriculum covers Air Force management leadership, U.S. defense policy, and military law. A basic requirement for entrance into the POC is for the applicant to have two academic years remaining at either the undergraduate or

graduate level or a combination of both. Prior enrollment in the GMC is not required for a student to enroll in the POC but students must have completed the summer field training program. Entrance into the POC is competitive. Any student wishing to apply should contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY 40506-0028, (859) 257-7115 as early as possible, but no later than December of their sophomore year in college or the year they desire to compete. Applicants for the POC attend a four or five week field training session during the summer preceding entry into the POC. Cadets receive travel pay to and from field training and are paid for the time spent there.

### **Scholarships**

Scholarships are available to those qualified and selected students who enroll in the Air Force ROTC cadet program. These scholarships cover tuition and laboratory fees, provide an allowance for books, and provide a nontaxable subsistence allowance of \$250-\$400 per month. High school students are eligible for four-year Air Force ROTC scholarships. Applicants for four-year scholarships are evaluated on the basis of: the American College Test (ACT), or the Scholastic Aptitude Test (SAT); high school academic record; class ranking; extracurricular and athletic activities; personal interview; and ability to qualify on an Air Force medical examination.

Two and three year scholarships are also awarded to cadets in the Air Force ROTC program on a competitive basis. Applicants for these scholarships should contact the Professor of Aerospace Studies on campus. There is also an Express Scholarship Program designed to attract students majoring in academic areas critical to the Air Force. The Express Scholarship Program awards two and three year scholarships and the academic majors are updated annually.

### **TWO-YEAR PROGRAM**

Qualified students attending EKU or transfer students from other institutions who did not enroll in the first two years of Air Force ROTC may receive a commission through the Two-Year Program. Those accepted receive a non taxable subsistence of \$250-\$400 a month and may qualify for an additional \$1500 per semester. The basic requirement to enter this program is that the student have two academic years remaining, either at the undergraduate or graduate level. Selection is competitive. Interested students should contact the Professor of Aerospace Studies early in their sophomore year.

### Minor

#### **MINOR IN AEROSPACE STUDIES**

#### **Requirements ..... 19 hours**

AFS 311, 312, 313, 314, 411, 412, 413, 414, and three hours of an elective approved by the Dean of the College of Business and Technology and the Professor of Aerospace Studies.

## DEPARTMENT OF TECHNOLOGY

### Chair

Dr. William E. Davis  
(859) 622-3232  
Whalin 307

### Faculty

A. Adams, J. Adamson, W. Campbell, V. Chandra, D. Dailey,  
R. Davis, S. Fardo, G. Gow, D. Henemier, J. Kilgore,  
M. Lifland, T. Lloyd, M. Marchant, D. Patrick, W. Reynolds,  
R. Richardson, L. Ross, G. Steinbach, J. Stevens, and  
J. Stratman

The Department of Technology offers Bachelor of Science degree programs in six areas: Aviation, Computer Electronic Networking, Construction Management, Industrial Technology, Graphic Communications Management, and Career and Technical Education.

Graduates of the Aviation program are prepared for professional careers in the aviation and aerospace fields. The professional flight option prepares graduates for professional pilot careers. The administration option prepares graduates for management careers in the aviation and aerospace industry.

Graduates of the Computer Electronic Networking program are prepared for a career in the high-tech electronics industry with skills in analysis, installation/maintenance of digital electronic devices and actuators, programmable logic controllers, computer network systems, laser/fiber optics and communication equipment.

Graduates of the Construction Management program are prepared for careers with general contracting firms, starting in a variety of management positions. Typical entry-level positions include: assistant project manager, estimator, superintendent, project scheduler, cost engineer, and field engineer. The Construction Management program is accredited by the American Council for Construction Education.

Graduates of the Industrial Technology program are prepared for professional careers in manufacturing industries and businesses. Typical entry-level positions include: manufacturing engineer, production engineer, supervisor, industrial engineer, technician and quality engineer. The Industrial Technology program is accredited by the National Association of Industrial Technology.

Graduates of the Graphics Communication Management program are prepared for a balance of technical skills and managerial competence to obtain successful careers in the printing and publishing industries. This four-year degree program provides up-to-date instruction for a high tech future in the 3<sup>rd</sup> largest of manufacturing industries.

Graduates of the Technology Education option of the B.S. degree program in Career and Technical Education are prepared for teaching careers at the middle school and high school levels. A Technology Education teacher is prepared to enjoy a career that is rewarding in many ways. The opportunity to plan and guide the learning experiences of students in the use of robots, computers and other "high tech" equipment in problem solving and production activities are rewards found in few other professions.

Graduates of the Industrial Education option of the B.S. degree program in Career and Technical Education are prepared for teaching careers in secondary schools and post-secondary technical centers in technical areas such as: computer electronics, computer

aided drafting (CAD), graphic arts and other technical occupational areas. An option is also offered in Occupational Training Development for those interested in training for business and industry.

The Department of Technology also offers Associate of Science degree programs (2-year programs) in five areas: Computer Aided Drafting Technology, Computer Electronics Technology, Digital Imaging Design, Quality Assurance Technology and Career and Technical Education. The Computer Aided Drafting Technology, Computer Electronics Technology, Computer Electronic Publishing and Quality Assurance Technology programs are accredited by the National Association of Industrial Technology.

Graduates of the Computer Aided Drafting Technology associate degree program are prepared for careers as drafters or designers who use computer aided drafting and design systems to generate drawings in manufacturing industries and businesses. Graduates obtain jobs in manufacturing firms in the machinery, plastics and fabricated metals areas.

Graduates of the Computer Electronics Technology associate degree program are prepared for a career as a computer electronic technician. Graduates obtain jobs in a wide variety of manufacturing and service industries requiring skilled technicians to install, troubleshoot and maintain microprocessors, system components, and programmable logic controllers.

Graduates of the Digital Imaging Design associate degree program are prepared with skills to create well designed images and documents for the printing and publishing industries and for the World Wide Web.

Graduates of the Quality Assurance Technology associate degree program are prepared for careers in manufacturing industries as quality assurance technicians. Their task is to control the manufacturing process so that a quality product is produced.

The Career and Technical Education associate degree program is designed for in-service technical teachers employed in area technical centers and post-secondary technical schools.

The department also offers minors in Aviation Administration, Aviation (Flight), Computer Electronic Publishing, Computer Electronics Technology, Construction Management, Industrial Technology and Quality Assurance.

An endorsement in Industrial Computer Technology and a Career and Technical Education Certificate program for in-service technical teachers are also offered by the Department of Technology.

## **Baccalaureate Degrees**

### **AVIATION (B.S.) AREA MAJOR**

*CIP Code: 49.0102*

**University Requirement ..... 1 hour**  
BTO 100.

**General Education Requirements ..... 34 hours**  
Standard General Education program, excluding courses categories 03, 04, 14, 15, 16, and 21. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Supporting Course Requirements ..... 36-38 hours**  
CSC 104 or CSC 177 or CIS 212 or TEC 161; GEO 215; MAT 107 and 108 or 109(5); 124(4) or 211; MGT 300 or 301, 480 or INT 408; PHY 131(5), 132(5); PSY 200; and STA 215.

<b>Free Electives</b> .....	<b>7-12 hours</b>
<b>Major Requirements</b> .....	<b>45-48 hours</b>
<b>Aviation Core</b> .....	<b>15 hours</b>
AVN 150, 315, 350, 410, 460.	
Majors must also select an option in professional flight or aviation administration	
<b>Options:</b>	
<b>Professional Flight</b> .....	<b>33 hours</b>
AVN 192(5), 194A(1), 205A(1), 206A(1), 220, 220A(1), 229A(1), 230A(1), 300(2), 300A(1), 310(4), 310A(1), 320(2), 320A(1), 325(3), 400(1), 400A(1), and 425. All electives must be upper division.	
<b>Aviation Administration</b> .....	<b>30 hours</b>
AVN 340, 360, 370, 390, 401, 402; and twelve hours of aviation or business electives as approved by major advisor (nine hours must be upper division).	
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

### CAREER AND TECHNICAL EDUCATION (TEACHING) (B.S.) AREA MAJOR

*CIP Code: 13.1320*

<b>University Requirement</b> .....	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements</b> .....	<b>52 hours</b>
Standard General Education program (MAT 107 or higher). Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
<b>Major Requirements</b> .....	<b>76-79 hours</b>
<b>Professional Education Core</b> .....	<b>31-34 hours</b>
EDF 103* (1), CTE 261, 361, 363, 463 (12) or ESE 499 (12) and ESE 490, EDF 319, ESE 552, SED 401.	
<b>Program Options:</b>	
<b>Agriculture Education</b> .....	<b>45 hours</b>
Animal Science AGR 125, 126 and one class from AGR 321, 327, 328 or 380; Agricultural Systems Management AGR 213 and one class from AGR 272, 311, 362 or 383; Soil Science AGR 215 and AGR 315; Plant Science AGR 130, 131 or OHO 131, 132 and one class from AGR 312, 417 and OHO 384 or 385; Agriculture Business two classes from AGR 310, 350, 409 or 440. Agriculture or Horticulture electives to make 45 credit hours selected in consultation with your advisor.	
<b>Industrial Education**</b> .....	<b>45 hours</b>
Forty-five semester hours of technical courses to be chosen in consultation with the advisor. A maximum of eighteen semester hours may be allowed by proficiency examination (CTE 204, 205, 206, 304, 305, and 306; TEC 349* (9 hours)	
<b>Occupational Training and Development</b> .....	<b>45 hours</b>
Forty-five semester hours of related occupational courses chosen in consultation with advisor.	
<b>Technology Education</b> .....	<b>45 hours</b>
CON 121, 201; INT 195, 201, 238, 371; GCM 211 (2), 212 (1); TEC 161, 190; EET 251, 303; TTE 163, 233; 6 hours from TTE 461, 462, 464, 465.	
<b>Total Curriculum Requirements</b> .....	<b>129-132 hours</b>

\* In-service teachers and occupational trainers should substitute CTE 463 (4), CTE 164, CTE 364, SED 104, and TEC 161 for CTE 463 (12), EDF 103 (1), SED 401, and ESE 552. Nine hours of CTE 203, 302, and 504 should be substituted for TEC 349.

\*\*Graduates completing this program option must have a minimum of 2000 clock hours of planned and supervised work experience in the occupation in which they will teach or a minimum of three

years of approved work experience in the occupation in which they will teach. Students must also take the PRAXIS II Specialty Examination before graduation.

### COMPUTER ELECTRONIC NETWORKING (B.S.)

*CIP Code: 15.0301.01*

<b>University Requirement</b> .....	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements</b> .....	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Courses</b> .....	<b>46 hours</b>
CSC 160 and (CSC 177 or 190); ECO 230, MAT 107, 108, 261, INT 202, 308, 406, 408; PHY 131, 132; STA 270; TEC 161.	
<b>Free Electives</b> .....	<b>5 hours</b>
(Cooperative Education or Upper Division Courses)	
<b>Major Requirements</b> .....	<b>45 hours</b>
EET 251, 252, 253, 254, 257, 302, 303, 313, 351, 403, 440, 452, 455; Select 6 hours from EET 352, 354, TEC 349 (3).	
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

The Department of Technology's Computer Electronic Networking degree program has an articulation agreement for transfer of credit and cooperation with Lexington Community College's Associate in Applied Science Degree in Engineering Technology with Electrical Specialization.

Students must take a Computer Electronic Networking exit examination before graduation.

### CONSTRUCTION MANAGEMENT (B.S.)

*CIP Code: 52.2001*

<b>University Requirement</b> .....	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements</b> .....	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements</b> .....	<b>39-40 hours</b>
ACC 201, CCT 201, ECO 230, GBU 204, GLY 108, TEC 161; MAT 108 and MAT 261, or six hours of higher level MAT courses; MGT 301 or INT 408, PHY 131(5), 132(5) or CHE 101(4); and three upper division hours of **ACC, CCT, CIS, ECO, FIN, GBU, INS, MGT, MKT, QMB, or RST electives as approved by major advisor.	
<b>Free Electives</b> .....	<b>2 -3 hours</b>
<b>Major Requirements</b> .....	<b>54 hours</b>
CON 121, 201, 202, 221, 303, 307, 320, 322, 323, 324, 349* (6), 420, 421, 423, 425, and 426; CON 294 or TEC 190.	
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

The Department of Technology's Construction Management program has articulation agreements for transfer of credit and cooperation with Lexington Community College's Associate in Applied Science Degree in Architectural Technology and the Associate in Applied Science Degree in Civil Engineering Technology.

Students must take a construction assessment examination before graduation. An exam fee is required.

+Two separate summer enrollments are recommended in order to achieve a total of 6 credit hours.



\*\*Students wishing to pursue the Minor in Business must confer with their major advisor to make substitutions to the supporting course requirements. INS, QMB and RST courses do not apply to the Minor in Business.

The Construction Management program is accredited by the American Council for Construction Education.

### GRAPHIC COMMUNICATIONS MANAGEMENT (B.S.)

CIP Code: 10.0302

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>37 hours</b>
Standard General Education program, excluding course categories 04, 09, 14, 15, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>28 hours</b>
ACC 201; CHE 101 (4); CSC 160; ECO 230; GBU 204; MAT 107; ACC 202 or ECO 300 or MGT 301 or MKT 301; PHY 101 and STA 215.	
<b>Free Electives .....</b>	<b>14 hours</b>
<b>Major Requirements .....</b>	<b>48 hours</b>
EET 303, INT 408, GCM 211(2), 212(1), 217, 316, 317, 319, 410, 414; TEC 161, 255, 313, 315, 355 and 349 (6 hrs).	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

Students must take a Graphic Communications Management assessment examination before graduation.

### INDUSTRIAL TECHNOLOGY (B.S.) AREA MAJOR

CIP Code: 15.0603

Prior to enrolling in the last 60 hours of the Industrial Technology degree program students must complete INT 238, 201, 202, TEC 161, 190, MAT 108, PHY 131, CHE 101; and STA 270 or QMB 200 and have an overall 2.0 GPA and 2.25 major GPA. Graduates must have an overall GPA of 2.25 in the major with no major grade below a "C-". Transfer students will be treated on an individual basis. The Industrial Technology program is accredited by the National Association of Industrial Technology.

<b>University Requirement .....</b>	<b>1 hour</b>
BTO 100.	
<b>General Education Requirements .....</b>	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, 16 and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Supporting Course Requirements .....</b>	<b>23-24 hours</b>
ECO 230, 300 or CON 420; MAT 108, 211 or 261 (or six hours of higher level MAT courses); PHY 131(5); CHE 101(4) or CHE 111; and STA 270 or QMB 200.	
<b>Free Electives .....</b>	<b>8-9 hours</b>
<b>Major Requirements .....</b>	<b>64 hours</b>
EET 251, INT 201, 202, 238, 301, 308, 310*, 330, 352, 371, 406, 408, 499; TEC 161, 190, and 349(4).	
Select 3 hrs from the following courses: EET 252, GCM 211(2), 212(1), INT 192, 195.	
*Select 12 hours of Technical electives in which prerequisites have been completed from the following list of courses or courses with Departmental approval.	
EET 350, 351, 352, 452; INT 320, 332, 336, 383, 390, 392, 397, 506, 530; TEC 313.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

The Department of Technology's Industrial Technology degree program has an articulation agreement for transfer of credit and cooperation with Lexington Community College's Associate in Applied Science Degree in Engineering Technology with Electrical Specialization.

In addition, the Department of Technology's Industrial Technology degree program has an articulation agreement for transfer of credit and cooperation with Central Kentucky Technical College's Associate of Applied Science in General Occupational/Technical Studies including the areas of Machine Tool Technology, Industrial Maintenance, Industrial Electronics and Computer Aided Drafting. Students must take a assessment examination before graduation. An exam fee is required.

+Transfer students with an associate degree in an industrial related field may not need to take these 12 hours of electives if upper division requirement can be completed.

\*Industrial Technology majors may apply INT 310 in lieu of CCT 300 toward the minor in Business.

### Associate Degrees

#### CAREER AND TECHNICAL EDUCATION (TEACHING) (A.S.)

CIP Code: 13.1319

Enrollment in this program is restricted to in-service technical teachers and graduates of a Kentucky Vocational/Technical School post-secondary program.

<b>Supporting Course Requirements .....</b>	<b>42 hours</b>
BTO 100, six hours of English Composition, CTE 261, 361, 364, 463*(12), three hours of general education mathematics (MAT 107 or higher-level mathematics), three hours of general education humanities, three hours of general education social science, and one hour of general education elective.	
<b>Major Requirements .....</b>	<b>24 hours</b>
TEC 161 and 21 hours chosen from the technical area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program must have a minimum of 4,000 hours of supervised work experience or four years of occupational experience in the area to be taught. Nine hours maximum may be allowed by proficiency examination (CTE 204, 205, and 206). Nine hours may be supervised work experience (TEC 349).	
<b>Total Curriculum Requirements .....</b>	<b>66 hours</b>

\*\*In-service teachers should substitute SED 104 or EDF 319, CTE 164, 363, 463(4), for CTE 463(12).

Students must take a professional vocational technical education assessment examination and the Teacher Occupational Competency Test (TOCT) before graduation.

#### COMPUTER AIDED DRAFTING (A.S.)

CIP Code: 15.03.01

<b>Supporting Course Requirements .....</b>	<b>27 hours</b>
BTO 100, ECO 230, six hours of English Composition, CMS 100, MAT 107, 108, PHY 131(5), three hours of general education humanities.	
<b>Free Electives .....</b>	<b>4 hours</b>
<b>Major Requirements .....</b>	<b>33 hours</b>
TEC 161, 190, INT 192, 195, 201, 330, 383, 390, 392, 397, and CON 303.	
<b>Total Curriculum Requirements .....</b>	<b>64 hours</b>

Students must take a computer aided drafting assessment examination before graduation.

The Computer Aided Drafting program is accredited by the National Association of Industrial Technology.

### COMPUTER ELECTRONICS TECHNOLOGY (A.S.)

CIP Code: 15.0402

**University Requirement** ..... 1 hour  
BTO 100.

**Supporting Course Requirements** ..... 30 hours  
CSC 177, six hours of English Composition, MAT 107,  
108, PHY 131(5), CMS 100, three hours of general education  
humanities, three hours of general education social science.

**Free Electives** ..... 4 hours

**Major Requirements** ..... 33 hours  
EET 251, 252, 253, 254, 257, 350, 351, 352, 354, 355, and 356.

**Total Curriculum Requirements** ..... 67 hours

\*Courses meeting general education requirements.

Students must take a computer electronics assessment examination before graduation.

The Computer Electronics Technology program is accredited by the National Association of Industrial Technology.

### DIGITAL IMAGING DESIGN (A.S.)

CIP Code: 10.0303

**Supporting Course Requirements** ..... 23 hours  
BTO 100 (1), CHE 101(4), ECO 230, six hours of English  
Composition, MAT 107, CMS 100, three hours of general  
education humanities.

**Free Electives** ..... 7 hours

**Major Requirements** ..... 34 hours  
ART 152, BEM 295(4), CSC 160, GCM 211(2), 212(1), 217,  
316, TEC 161, 255, 313, 355 and three hours from GCM 317,  
319 or TEC 190.

**Total Curriculum Requirements** ..... 64 hours

Students must take a digital imaging design assessment examination before graduation.

The Digital Imaging Design program is accredited by the National Association of Industrial Technology.

### QUALITY ASSURANCE TECHNOLOGY (A.S.)

CIP Code: 15.0702

**Supporting Course Requirements** ..... 32 hours  
BTO 100, six hours of English Composition, ECO 230, MAT  
107, 108, CHE 101, CMS 100, STA 270 or QMB 200, three  
hours of general education humanities, three hours of general  
education social science.

**Free Electives** ..... 4 hours

**Major Requirements** ..... 30 hours  
EET 251, TEC 161, 190, INT 201, 202, 238, 301, 330, 332, 336.

**Total Curriculum Requirements** ..... 66 hours

Students must take a quality assurance assessment examination before graduation. An exam fee may be required.

The Quality Assurance Technology program is accredited by the National Association of Industrial Technology.

## Minors

### MINOR IN AVIATION (FLIGHT)

#### Aviation Program

**Requirements** ..... 23 hours

A student may minor in aviation (flight) by completing a minimum of 23 semester hours as follows: AVN 150, 192, 194A, 205A, 206A, 220, 220A, 300; 315; GEO 215. No more than 12 hours of core courses taken for the aviation (administration option) major may be counted toward the minor in aviation (flight).

### MINOR IN AVIATION ADMINISTRATION

#### Aviation Program

**Requirements** ..... 21 hours

A student may minor in aviation administration by completing a minimum of 21 semester hours as follows: AVN 150, 315, 340, 350, 410, 460, and three hours of approved electives. No more than 12 (flight) hours of core courses taken for the aviation major may be counted toward the minor in aviation administration.

### MINOR IN COMPUTER ELECTRONIC PUBLISHING

**Required Courses** ..... 12 hours  
GCM 211(2), 212(1), 217, 317, and TEC 313.

**Supporting Courses** ..... 6 hours  
Select six semester hours from GCM 316, 319, TEC 255 and 355.

**Total Requirements** ..... 18 hours

### MINOR IN COMPUTER ELECTRONICS TECHNOLOGY

**Requirements** ..... 18 hours

EET 252, 253, 254, 354, 302 and 303. No more than nine hours of courses taken for a major may be counted toward this minor.

### MINOR IN CONSTRUCTION MANAGEMENT

**Requirements** ..... 21 hours

CON 121, 201, 202, 323, 324, 421, and CON 294 or TEC 190. No more than nine hours of courses taken for a major may be counted toward this minor.

### MINOR IN INDUSTRIAL TECHNOLOGY

**Requirements** ..... 21 hours

TEC 190, INT 201, 202\*, 238\*, 308, and six hours of INT upper division electives. No more than nine hours of courses taken for a major may be counted toward this minor.

+STA 270 (Gen Ed. 03) or QMB 200, is a prerequisite for INT 202.

\*CHE 101 or CHE 111, Gen. Ed. 14 is a prerequisite for INT 238.

**MINOR IN QUALITY ASSURANCE TECHNOLOGY****Requirements ..... 18 hours**

STA 270, INT 202, 332, 336, 506, and 530. No more than nine hours of courses taken for a major may be counted toward this minor.

**Endorsement****INSTRUCTIONAL COMPUTER TECHNOLOGY**

The requirements for an Instructional Computer Technology Endorsement for Career and Technical Education are: EET 252, 302, 303, 403, and TEC 255. Must have completed a major computer certification such as A+, Network +, MSCE, CCNA, CCNP and requirements for the B.S. Degree in Career and Technical Education. Certificate

**Certificate****Career and Technical Education\***

Enrollment in this program is restricted to those who are currently employed as technical teachers and required to become certified as teachers of "Vocational/Technical Education: Industrial Education."

**General Education Requirements ..... 20 hours**

ENG 101, 102; MAT 107, three hours of General Education humanities, three hours of General Education social science and five hours of General Education electives.

**Professional Education Requirements ..... 22 hours**

CTE 164, 261, 361, 363, 364, 463 (4 hrs.); EDF 319 or SED 104.

**Major Requirements ..... 24 hours**

TEC 161 and 21 hours chosen from the technical area, or related to the area, in which the individual is teaching, as approved by the advisor. Eighteen hours may be allowed by proficiency examination (CTE 204, 205, 206, 304, 305, and 306). Nine hours by proficiency examination may be applied to the Associate Degree and 18 hours to the Bachelors Degree in Career and Technical Education.

**Total Curriculum Requirements ..... 66 hours**

\*Based on recommendation from ECU, Certificate is awarded by the Education Professional Standards Board.



# College of Education

**Dr. M. Mark Wasicsko, Dean**  
**(859) 622-3515**  
**Combs 421**

**www.education.eku.edu**

**TBD, Associate Dean**  
**(859) 622-3515**  
**Combs 420**

## *To teach, to learn, to help others teach and learn.*

Since its founding in 1906, Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers.

*The Professional Education Programs at Eastern Kentucky University are dedicated to preparing the highest quality educators and related professionals for Kentucky and beyond. Our graduates integrate content, effective pedagogical skills, and dispositions that foster life-long growth and learning. Being true to our heritage as a school of opportunity, Eastern Kentucky University provides a climate that supports, challenges, and enriches students aspiring to careers in a diverse society.*

Professional Education at Eastern Kentucky University is a university-wide function, the programs of elementary education (P-5), middle grade education (5-9), special education, interpreter training, deaf and hard of hearing, interdisciplinary early childhood education and communication disorders are located in the College of Education. Students in these programs are advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and educational counseling in the College of Education.

Model Laboratory School is operated as a department in the College of Education to: (1) provide quality and innovative education for its students, N-12; (2) provide pre-service education for prospective teachers in the College; (3) serve as an experimental testing ground for curriculum development and dissemination; (4) provide a setting for research; and (5) provide in-service education for area school systems.

## **POLICIES AND PROCEDURES**

### **Professional Education Majors**

To be recommended for certification, all students must meet the requirements for admission to professional education, complete a College of Education approved teaching curriculum, and pass the required PRAXIS tests as determined by the major/minor.

**General Studies for Initial Teacher Preparation.** The general studies will incorporate multicultural and global perspectives. All candidates will complete general studies courses and experiences in the liberal arts and sciences that lead to the development of theoretical and practical knowledge. The general studies will include course work from arts, communications, history, literature, mathematics, philosophy, sciences, and the social sciences. **CONSULT ADVISOR EARLY IN YOUR PROGRAM FOR PROPER COURSE SELECTION.**

### **Credits**

To be applied to degree programs, credits more than eight years old must be validated by the Dean.

### **Credit for Transfer Work**

Allowance of transfer credit by the University Office of Admissions and/or the Office of Academic Advising does not necessarily mean that all such credit will be applied toward admission to professional education or a degree from the College of Education. Therefore, students should read and follow closely the transfer credits/courses section in Part Three of this *Catalog*.

### **Credit for Transient Work**

Undergraduate students or students pursuing initial certification in programs housed in the College of Education who wish to take course work at another higher education institution must have prior written approval from their advisor, their department chair, and the Dean of the College if they wish to apply that credit to their degree program. Students must be in good academic standing at EKU with an overall GPA of 2.5 or higher to be considered for approval to take a course at another institution. Transient forms are initiated with the Tracking Specialist, Office of Teacher Admission and Certification.

### **Overload**

In the College of Education, overloads are discouraged and must be approved by the dean. Requests for overloads must contain the student's overall GPA and the number of hours being attempted, including those to be taken at other higher education institutions or through correspondence. A student must have an overall GPA of 3.0 or higher to be considered for approval to take an overload.

### **Correspondence Course**

Students majoring in the College of Education are discouraged from overloading their schedules by taking correspondence courses. To be accepted into their programs, such courses must have the dean's approval before they are taken. A student must have an overall GPA of 3.0 or higher to be considered for approval to take a correspondence course.

### **Planned Curriculum**

Planned curricula in the College of Education are prepared by the Tracking Specialist, Office of Teacher Admission and Certification (Bert Combs 423). Students in teaching programs must make application for a planned curriculum upon notification of admission to the Professional Education program. Students in non-teaching programs (special education and communication disorders) must apply for a planned curriculum upon completion of the 60th hour for B.S. degrees. Changes in the planned curriculum, initiated on the "Planned Curriculum Exception" form, must include a recommendation for change by the advisor, and he

approved by the department chair and the Dean of the College. Changes approved verbally by phone or otherwise will not be honored unless the planned curriculum is officially altered to reflect such approval. It is the student's responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation. Completion of all course work on the student's planned curriculum is required for graduation.

### Residency

A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Students who are completing baccalaureate degree programs which include teacher certification, and students readmitted after a one year absence from the University must have 30 of the last 36 hours in the program, exclusive of student teaching (ELE 499, EMG 499, EMS 499, ESE 499, SED 499), awarded by ECU.

### Application for Graduation

Students must file an application for graduation in the Office of Teacher Admission and Certification (Bert Combs 423). May and August graduates must file an application during the preceding October; December graduates must file an application during the preceding April.

### Student Teaching

Since student teaching is especially demanding, students are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Credit for unfinished correspondence course(s) will not be allowed during the student teaching semester.

### Retroactive Permission

Students should not ask for retroactive permission.

### Admission to the College of Education

- Upon admission to the College of Education, students are assigned an advisor. Students must enroll in Academic Orientation, EDO 100, during the first semester. Students are advised to enroll in EDF 103, Introduction to Education, during their freshman year and in EDF 203, Schooling and Society, during their sophomore year. However, students should not enroll in EDF 103 until all developmental requirements have been met. EDF 310 will be required for students who have an equivalent transfer course for EDF 203.
- Secondary education majors will follow the prescribed curriculum and requirements of another academic college and the policies for professional education stated elsewhere in this *Catalog*. The College of Education cooperates closely with the other colleges in matters pertaining to admission to professional education and student teaching.

## OFFICE OF TEACHER ADMISSION AND CERTIFICATION

### Director

**Dr. Karen Frohoff**  
(859) 622-1828  
Bert Combs, Room 423

*To teach, to learn, to help others teach and learn.*

The Office of Teacher Admission and Certification is responsible for admitting students to professional education programs at ECU. In addition, certification applications for teachers and school personnel (principals, supervisors, superintendents, counselors, pupil personnel directors, business administrators, librarians, and speech pathologists) are processed through the Office of Teacher Admission and Certification.

To be recommended for certification, all students seeking initial teacher certification, regardless of the college in which they are enrolled, must meet the requirements for admission to professional education, complete an approved teaching curriculum, and pass the required PRAXIS tests as determined by the major/minor.

Students are advised to enroll in EDF 103, Introduction to Education, during their freshman year and in EDF 203, Schooling and Society, during their sophomore year. However, students should not enroll in EDF 103 until all developmental requirements have been met. EDF 310 will be required for students who have an equivalent transfer course for EDF 203.

## ADMISSION REQUIREMENTS and APPLICATION PROCESS

### Admission to Professional Education

Admission to the University (academic college) is not synonymous with admission to professional education. Students will apply for admission to professional education in the College of Education's Office of Teacher Admission and Certification (Combs 423). Formal applications will be accepted based upon completion of the following requirements:

#### A. Hours / Residence

- Students must complete 60 hours of credit (excluding developmental level courses).
- Transfer students must complete 12 hours of credit at ECU.

#### B. Admission Test Requirement

- Students must have a passing score on one of the following tests:

ACT (American College Test)*	Composite 21; Composite 20 with an overall GPA of 3.0 at the time of admission; or Composite 19 with an overall GPA of 3.25 at the time of admission
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Individuals scoring less than 21 on the ACT would be required to participate in a PRAXIS preparation program to help ensure success on the PRAXIS exams.

PRAXIS I - PPST (Preprofessional Skills Test)	Reading 173; Math 173; Writing 172
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SAT (Scholastic Aptitude Test)	Composite 990
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GRE (Graduate Record Exam)	See program requirements
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MAT (Miller Analogies Test)	See program requirements
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\*ACT scores must be Fall 1989 or after and be on file at the University Office of Admissions.

**C. GPA and Grade Requirements**

- Student must have a minimum overall GPA 2.5 in all undergraduate course work.
- Student must have a minimum GPA 2.5 in college work at EKU.
- Student must have a satisfactory grade in EDF 103, and a grade of "C" or higher EDF 203 (requires completion of admission test requirement [section B] prior to enrollment), ENG 101 and ENG 102.
- Student must have a satisfactory grade in EDF 310 if transferring a course equivalent to EDF 203.

Undergraduate degree student GPA is based on the hours attempted as shown on the official EKU transcript. Post degree certification student GPA is based on all undergraduate course work and on the hours attempted as shown on the official EKU transcript.

**D. Mathematics Requirement**

Students must complete a college level mathematics course of MAT 105 or above (exclusive of MAT 201 and 202), with a grade of "C" or higher.

**E. Computer Literacy**

- Students must complete CSC 104 or CIS 212 with a grade of "C" or higher.
- Students with prior computer knowledge and skills may demonstrate proficiency by satisfactorily completing both the written and performance portions (word processing, database, spreadsheet) of the computer literacy test. Students who fail the test must complete CSC 104 or CIS 212 with a grade of "C" or higher. The test option is not available for students required to take CSC 104 or CIS 212 as a part of their major. The university course by examination will not satisfy the computer literacy requirement for the College of Education since it does not have a performance component.

**F. UWR (University Writing Requirement)**

Students must achieve satisfactory performance on the University Writing Requirement. (Undergraduate students should also refer to University requirements described in this *Catalog*).

**G. Examinations**

- Students must achieve satisfactory results on examinations taken in EDF 103/310 and 203 and on other examinations which may be required by the Professional Education Admissions Committee.
- Students must demonstrate proficiency in oral and written communication including evidence of satisfactory speech and hearing screening. Screening is provided by the Speech-Language-Hearing Clinic in Wallace 278 B.

- Students scoring below minimum requirements on the tests for oral and written communication shall be required to improve their competencies to an acceptable level before admission to professional education. This may include therapy, tutoring, and enrollment in credit or non-credit remediation courses.
- Any hearing impaired student unable to pass the speech and hearing screening who can benefit from remediation should receive it. Documentation concerning remediation and communication competency (oral or manual) must be provided to the Speech and Hearing Clinic. The Clinic, in consultation with faculty of the Deaf and Hard of Hearing Program will submit a recommendation for consideration for admission to the Office of Teacher Admission and Certification. This should include documentation of communication competence.

**H. Recommendations**

Students must submit satisfactory recommendations from four EKU faculty members including the EDF 203 instructor, the advisor and two faculty members with one being from the major.

**I. Interview / Portfolio**

Students must satisfactorily complete a formal interview which will include the portfolio presentation. Two faculty members will conduct the interview and portfolio review process.

**J. Ethics Declaration**

Students must complete and sign a "Personal and Professional Fitness Declaration" form.

**NOTE:** Based on your disclosure an interview by the Professional Education Admission Committee may be required.

**K. Student Behavior**

- Students must have no physical or psychological impairments that would preclude teaching success.
- Students preparing to work in schools as teachers or other professional school personnel must demonstrate dispositions necessary to help all students learn.
- Students must demonstrate acceptable social behavior at the University and in the community-at-large.\* A student interview may be required by the Professional education Admissions Committee.
- Student admission status may be reevaluated if the student is placed on either academic or social probation or has a record of criminal conviction(s).\* A student interview may be required by the Professional Education Admissions Committee.

\* The College of Education will contact the Eastern Kentucky University Office of Judicial Affairs to obtain records of infractions committed by candidates for admission to professional education. The College of Education will also contact the Administrative Office of the Courts to obtain a criminal records check for each candidate for admissions to professional education.



The Office of Teacher Admission and Certification will process the formal "Application for Admission to Professional Education." The Professional Education Admissions Committee will review applications, supporting documentation, and other relevant materials brought before the committee and will take appropriate action concerning the student's admission to the professional education program. The student will be notified of the committee's decision.

## OFFICE OF PROFESSIONAL LABORATORY EXPERIENCES (Student Teaching)

**Director**  
**Dr. Bruce Bonar**  
(859) 622-1544  
**Bert Combs, Room 425**

*To teach, to learn, to help others teach and learn.*

- The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application, and provides continuous assessment of the applicant's pre-teaching and teaching experiences during the professional semester.
- This Office recognizes that cultural diversity is a fact of American life and teachers function in a pluralistic cultural environment. Experience in multi-cultural settings provides valuable enrichment for the proper development of effective teachers. That philosophy will guide the student assignments.
- Students are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Credit for unfinished correspondence courses will not be allowed during the student teaching semester.
- Students of senior standing (90 hours or more with a minimum of 12 semester hours residence at ECU) may enroll in student teaching if they have satisfied the following requirements:

### Application for Student Teaching

1. Applicants must be admitted to the professional education program prior to the application semester.
2. Applicants must file an application during the first four weeks of the semester prior to the term in which student teaching is desired.
3. Applications filed will be evaluated and processed for approval or disapproval.

### Evaluation of application will include in part:

1. The planned curriculum. Each applicant must have an approved planned curriculum on file with the Dean of the College of Education.
2. All prerequisites in professional education and pre-student teaching curricula in the applicant's area as prescribed by the *Catalog*, must be completed prior to student teaching.
3. Recommendation made by the applicant's advisor and approval by the department chair.
4. A valid medical examination report, including current tuberculosis test report. Students with any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.

5. The ethics declaration. Each applicant must complete and sign a new "Personal and Professional Fitness Declaration" form.
6. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The applicant's comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education. Applicants must process a criminal background check (KRS.161.042).
7. Academic Requirements: Undergraduate degree students' GPAs are based on the hours attempted as shown on the official ECU transcript. Post degree certification students' GPAs are based on all undergraduate course work and on the hours attempted as shown on the official ECU transcript.

### Elementary Education (P-5) and Middle Grade Education (5-9) Majors

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at ECU.
- Minimum 2.5 GPA with a grade of "C" or higher in courses in the "core and supporting course requirements,"\* area(s) of academic emphasis, "professional education requirements" (see program display for a list of courses), teaching minor(s), and certification endorsement(s).
- Other requirements as found in the appropriate department presentation.

\*supporting course requirements for elementary education only.

### Special Education

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at ECU.
- Minimum 2.5 GPA with a grade of "C" or higher in courses in the "major, core, and option,"\*\* "elementary/middle grade and supporting course requirements," area of academic emphasis\*\*, professional education requirements (see program display for a list of courses), teaching minor(s), and certification endorsement(s).
- Other requirements as found in the appropriate department presentation.

\*combination of major, core, and/or option as identified in the program display.

\*\*emphasis with middle grade education only.

**Communication disorders majors should see their advisor for information related to admission to student teaching.**

### Secondary Education Majors

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at ECU.
- Minimum 2.5 GPA in teaching major(s), minor(s), area(s) of academic emphasis, and certification endorsement(s).
- Minimum 2.5 GPA with a grade of "C" or higher in courses in "professional education requirements" (see program display for a list of courses).
- Other requirements as found in the appropriate department presentation.

### APPLICATION FOR CERTIFICATION

**Exams**—Prior to graduation, students must complete required competency examinations and take the PRAXIS Series (Professional Assessments for Beginning Teachers). All required parts of the PRAXIS test are to be taken during the senior year.

NOTE: Some majors/minors require testing over two semesters. Students must review the schedule for PRAXIS tests registration deadlines prior to the beginning of the senior year (last two semesters). Specialty test(s) are required for each certification area sought.

**Certification**—Applications for teacher certification should be filed in the Office of Teacher Admission and Certification prior to graduation as follows: May graduates by April 1; August graduates by July 1; December graduates by November 1. Applications for certification are not processed until all requirements are met.

## OFFICE OF EDUCATIONAL TECHNOLOGY

### Technology Coordinator

**Ed Richard**  
(859) 622-8250  
Bert Combs, Room 416

*To teach, to learn, to help others teach and learn.*

The Educational Technology Office has responsibility for the management, development, and integration of instructional technology, distance learning initiatives, and the College of Education Internet/Intranet/Web connections and presence. The Office provides leadership in the ongoing process of integrating, developing, and managing the College Knowledge Initiative; oversees the integration, development, and implementation of short- and long-range strategic plans for information technology in the College; prepares user hardware/software documentation and provides user training on computer hardware/software; administers the computer literacy exam for the College of Education.

## OFFICE OF EDUCATIONAL RESEARCH AND ASSESSMENT

### Director

**Dr. Paul Erickson**  
(859) 622-2962  
Bert Combs, Room 416

*Effective Teachers Are Effective People*

Preparation of professional school and community personnel is a dynamic and complex activity, and one that requires the College of Education to plan and evaluate on a continuing basis. The Office of Educational Research and Assessment collects and analyzes data on applicant qualifications, candidate and graduate performance, and unit operations to evaluate and improve professional education programs at EKU. The unit, with involvement of the internal and external community implements an assessment system that reflects the conceptual framework, program goals, and incorporates candidate proficiencies outlined in national and state standards.

The unit has a responsibility to ensure that professional education programs at EKU are of the highest quality. Meeting this responsibility requires using information technologies in the systematic gathering and evaluation of information and making use

of that information to strengthen the professional education programs at EKU. At Eastern Kentucky University, effective teachers are effective people.

## OFFICE OF FIELD SERVICES AND PROFESSIONAL DEVELOPMENT

### Director

**Dr. William Thames**  
(859) 622-2581  
Bert Combs, Room 417

*To teach, to learn, to help others teach and learn.*

The Office of Field Services and Professional Development is the service arm of the College and serves as the principal liaison between the College and the school districts in the EKU service region. This office maintains close contact with the central offices of the area school districts and responds to requests for assistance. The office extends the services and expertise of the College and the University to the schools. The SouthEast/SouthCentral Educational Cooperative, with a membership of 19 school districts, is housed in the FSPD office. The Cooperative provides professional development services to teachers, principals, central office personnel, and school staff. It also conducts regular meetings for school superintendents, and central office personnel on job related topics, and offers bidding and purchasing on a wide range of items. The Kentucky Teacher Intern Program is also coordinated through this office. The office conducts all training for intern committee members and assigns teacher educators to over 400 committees each year. The office maintains close relationships with the Kentucky Department of Education, the Region Six Service Center of the Department of Education, and other educational agencies. In the Office of Field Services and Professional Development our middle name is service.

## DEPARTMENT OF EDUCATIONAL LEADERSHIP\*

\*Pending Board of Regents approval

### Chair

**TBD**  
(859) 622-1125  
Bert Combs, Room 406

### Faculty

**J. Austin, R. Biggin, P. Erickson, R. Haun, J. Herlihy, S. Hyndman, E. Lowdenback, E. Newby, W. Wesley, and G. Wright**

*To teach, to learn, to help others teach and learn.*

The Department of Educational Leadership offers degree and non-degree graduate programs.

The Educational Leadership department offers programs for persons seeking certification as principals, supervisors, administrators of pupil personnel services, and superintendents. Course work in these areas is designed for those who seek certification and Rank I programs as well as the Specialist in Education.

## DEPARTMENT OF COUNSELING AND EDUCATIONAL PSYCHOLOGY\*

\*Pending Board of Regents approval

### Chair

TBD

(859) 622-1124

Bert Combs, Room 406

### Faculty

C. Callahan, A. Chapman, N. Gray, K. Naugle, L. Sexton,  
M. Stockburger, and S. Strong

The Department of Counseling and Educational Psychology offers degree and non-degree graduate programs.

The Counseling and Educational Psychology unit offers graduate programs in school counseling and in mental health counseling as well as in human services. This unit also provides graduate instruction in the common core required of all Master's degree programs in education and related fields, such as human development and learning, tests and measurement, and research. More complete information concerning the counseling programs can be reviewed by accessing the counseling student handbook located on the ECU website at [www.cel.ecu.edu](http://www.cel.ecu.edu).

## DEPARTMENT OF CURRICULUM AND INSTRUCTION

### Chair

Dr. Michael A. Martin

(859) 622-2154

Bert Combs, Room 112

### Faculty

A. Al-Khatib, D. Bowen, J. Bucknam, D. Combs, M. Davis,  
J. Dickey, J. Downing-Moore, L. Gillaspie, J. Guilfoil,  
R. Hendricks, S. Hinton, J. Hyndman, C. Jackson, M. Kolloff,  
M. Laird, S. Long, M. Martin, P. McGuire, S. Moore,  
N. Newsome, M. Pappas, I. Ramsey, C. Resor, J. Thomas,  
D. Waggoner, R. White, M. Wilder, L. Williams, and P. Wirtz

*To teach, to learn, to help others teach and learn.*

### Baccalaureate Degrees

#### ELEMENTARY EDUCATION (P-5) TEACHING (B.S.)

CIP Code: 13.1202

Major Requirements ..... 49 hours

ELE Core ..... 28 hours

ELE 322, 361, 362, 365, 445, 446, 490, 491, 492, 493.

Options ..... 21 hours

Students seeking certification as teachers of P-5 must complete 21 hours from one of the following areas of academic emphasis.

**Arts/Humanities:** To complete an area of emphasis in Arts/Humanities, the student must complete one of the following tracks:

**General Track:** ART 200 (GEW 08), MUS 171 (GEW 07), THE 100; ENG 350 or 351; PHI 110 or 130; HUM 124, FCC 220, 222, 226, 227, ART, THE, or PHE 300.

**Visual Arts Track:** ART 100, 101, 152, 153, 200 (GEW 07); six hours from ART 210, 220, 230, 240, or 270.

**Music Track:** MUS 171 (GEW 07), 272; Performance Component: four to nine hours from applied music and/or ensembles, three to eight hours from MUS 181, 182, 371, 372.

**Humanities Track:** HUM 124, 226 (GEW 05), 228 (GEW 06), MUS 272; ART 390 or 391; PHI 100 or 110; ENG 350 or 351; FCC 220, 222, 226, 227, HUM 300, PHE 200, or REL 301.

**English/Communications:** ENG 101 (GEW 01) and 102 (GEW 02) (or 105, GEW 01/02); ENG 510, 520, or EME 551; SPE 100 (GEW 20); ENG 350, 351, or 359; six hours from ENG 301, 405, or 410.

**Foreign Language:** Courses from the academic emphasis must be selected from one of the following options:

**French:** Nine to fifteen hours from FRE 101, 102, 201, 202, 204, 210; six to twelve hours from FCC 220, FRE 340, 350, 360, other upper division FRE courses. Students with mastery of FRE 101, 102, and/or 201 should take FRE 204 and additional hours from the elective list.

**German:** GER 101, 102, 201, 202, 240, 340, FCC 222, other upper-division GER courses. Students entering the program with mastery of the content of GER 101, 102 and/or 201 should take additional hours from other courses listed above.

**Spanish:** Nine to fifteen hours from SPA 101 and 102 (or 105), 201, 202, 206; six to twelve hours from FCC 226, SPA 301, 360, 370, other upper division SPA courses. Students with mastery of SPA 101, 102, and 201 should select additional courses from Spanish offerings with advisor approval.

(Two of the foreign language courses at the 100 and 200 level can be used as GEW 03 and GEW 04).

**Kindergarten:** CDF 244, 247, ELE 519, SED 518; CDF 346, OTS 515, or SED 260; CDF 132, HEA 375, or SOC 345; AGR 577, BIO 317 (GEW 16), CSC 178, or TEC 322.

**Mathematics:** CSC 104+ (GEW 03), MAT 106 (GEW 21), 107+, 203, 205, 303, and STA 270 (GEW 04).

**Multi-Disciplinary:** ENG 301, 302, 502, or 503; HIS 202 (GEW 10) or 203 (GEW 11); ENG 359, POL 332, or BIO 304; ART 200, FCC 220, 222, 226, 227, MUS 171, PHE 300 or THE 100; GEO 322 or 345 (GEW 12); 6 hours from AST 130, 135, BIO 317, CNM 101, 102, GEO 215, GLY 302, 390, NAT 172, 380, MAT 203 or 502.

**Science:** A minimum of three hours of life science selected from BIO 100 or NAT 101 or BIO 102, BIO 131, 141, BIO 300, 301, 317; CNM 101 or NAT 363. A minimum of three hours of physical science selected from PHY 101 or NAT 171, AST 130 or 135, NAT 172, GLY 102 or 108 or 109; CHE 101, 102, CNM 102, GEO 215, GLY 302, 304, 307, 390, PHY 131, 132, or SCI 310. As part of the 21 hour science emphasis, students must take one biological science (GEW 13) and one physical science



(GEW 14) laboratory course. Remaining hours are to be selected from courses listed. CNM 101 and 102 may be taken to fill one biological and one physical science laboratory requirement. If only CNM 101 is taken it can be used to fill Gen. Ed. 15 but not an emphasis requirement.

**Social and Behavioral Sciences:** ECO 120 or 130; GEO 101 or 200; HIS 246 (GEW 10), 247 (GEW 11); HIS 516 or POL 332; SOC 345 or CDF 132; ANT 330, HIS 330, HIS 305, 383, 405, POL 316, or SOC 360.

**Supporting Course Requirements ..... 9 hours**  
LIB 301, MAT 201, and 202.

**Professional Education Requirements ..... 25 hours**  
EDF 103, 203, 319, 413, SED 401, and ELE 499.

**General Education Requirements ..... 42-46 hours**  
Standard General Education program excluding courses identified as "GEW" in each area of emphasis. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
EDO 100.

**Free Electives:** As needed to complete 128 hours.

**Total Curriculum Requirements ..... 128-130 hours**

+Students whose educational background included material equivalent to CSC 104 and/or MAT 107 may select alternate courses from the following with advisor approval: MAT 121, 211, 261, CSC 180, STA 271.

## MIDDLE GRADE EDUCATION (5-9)

### TEACHING (B.S.)

CIP Code: 13.1203

**Major Requirements ..... 63 hours**

**Middle Grade Core ..... 15 hours**  
EMG 430, 445, 447, and six hours from 491, 492, 493, or 494.

**Options ..... 48 hours**  
Students seeking middle grade, 5-9, certification must select two areas of emphasis from the following list and complete 24 hours in each area: English and communications, mathematics, science, social studies.

**English and Communications ..... 24 hours**  
ENG 101 (GEW 01), 102 (GEW 02) (or 105, GEW 01/02); 350 or 351; 410; LIB 501, SPE 100 (GEW 20), and six hours selected from ENG 301, 405, 510, 520, or EME 551.

**Mathematics ..... 24 hours**  
MAT 106 (GEW 21), 201, 202, 203, 205, 211 or 261 (GEW 03); 303, and STA 270 (GEW 04).  
(Students are advised to take CSC 104 as a symbolics option prior to enrolling in MAT 205 unless they already possess skills comparable to those acquired in CSC 104.) Students whose secondary education did not include a course equivalent to MAT 107 will need to take the course prior to enrolling in MAT 211, 261, 303, or STA 270.

**Science ..... 24 hours**  
Biological Science - nine hours: one course from BIO 100, 102, 131, 141, or NAT 101; two courses from BIO 131, 141, 211, 300, 301; 302 or 303; 317,

CNM 101\*\*, or NAT 363. Earth Science, Physics, and Chemistry - 15 hours to include nine hours from one area and three hours from each of the remaining two areas: CHE 101 and 102 or 111 and 112; GLY 102, 108, 109, 302, 304, 307, 390, AST 130, 135, NAT 172; CNM 102\*\*, PHY 101, 131 and 132, 201 and 202, or NAT 171. A laboratory course must be selected from each area. (GEW 13 and GEW 14) can be filled with one lab course in biology and one lab course in physical science.

\*\*Both CNM 101 and 102 must be taken to fill Gen. Ed. 13 and 14. If only CNM 101 is taken it can be used to fill Gen. Ed. 15 or 16, but not an emphasis requirement.

**Social Studies ..... 24 hours**  
ECO 120 or 130; GEO 200, HIS 246 (GEW 10), 247 (GEW 11), HIS 202, 203; POL 100 or 101; ANT 120, 325, SOC 131, or 345.

**Professional Education Requirements ..... 25 hours**  
EDF 103, 203, 319, 413, SED 401, and EMG 499.

**General Education Requirements ..... 34-40 hours**  
Standard General Education program, excluding courses identified as "GEW" in area of emphasis. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
EDO 100.

**Free Electives ..... 2-4 hours**  
As needed to complete 128 hours.

**Total Curriculum Requirements ..... 128-129 hours**

## DEPARTMENT OF SPECIAL EDUCATION

### Acting Chair

Dr. Kathryn Polmanteer  
(859) 622-4442  
Wallace Bldg, Room 245

### Faculty

M. Adkins, J. Bolling, V. Brashear, J. Cooper, N. Coyer, M. Diebold, K. Dilka, K. Frohoff, M. Hall, D. Haydon, L. Hayes, C. Hubbard, K. Janssen, E. Leung, S. Mahanna-Boden, S. McCoy, R. Meckler, K. Petronio, K. Polmanteer, N. Powell, B. Pruitt, M. Purcell, C. Reeves, P. Sanford, and Q. Sultana

### University of Louisville Faculty

T. Cantrell, J. Hurdich, T. Owens, and R. Reihm

*To teach, to learn, to help others teach and learn.*

### ADMISSION TO COMMUNICATION DISORDERS PROGRAM

Any student who is accepted by Eastern Kentucky University's Admissions Office may declare their major as communication disorders (CD). The student will be assigned to a program advisor and will be classified as a "Pre-CD" major. However, a Pre-CD status does not guarantee admission into the CD undergraduate program. Pre-CD majors will be restricted to enrollment in the following major courses: SED 104, 275, 360, and SED 240 or ASL 101. To be admitted into the CD undergraduate

program, students must meet the following minimum criteria: (1) at least 27 credit hours earned on 100-level courses or higher, (2) at least a 2.75 GPA on a 4.0 scale, (3) have taken the ACT, and (4) earned a grade of "C" or higher in SED 275 "Communication Disorders: A Survey" or equivalent transferred course. Transfer students do not have to be enrolled in university courses at the time of submitting an application for admission. The CD program admits 30 new undergraduate students each year. Applicants are ranked by the GPA x ACT composite score. The most qualified applicants are admitted. Application forms are available from Wallace 245 or visit the CD program website at [www.education.eku.edu/sed/cd](http://www.education.eku.edu/sed/cd); telephone (859) 622-4442. Completed applications and all required documentation as specified on the application form must be submitted by February 14 to the CD Program Coordinator.

It should be noted that enrollment in the graduate program in Communication Disorders is also limited. Admission into the undergraduate program does not guarantee admission into the graduate program. Refer to the *Graduate Catalog* for Admission Requirements and Procedures regarding application to the master's degree program of study in Communication Disorders.

Students must purchase the college student professional liability insurance prior to enrollment in SED 374, 474, and 541. Further, that insurance coverage must be maintained throughout enrollment in these courses.

### SPEECH-LANGUAGE-HEARING CLINIC

The Communication Disorders Program in the Department of Special Education offers services to students, faculty, staff, and members of the community at the Speech-Language-Hearing Clinic in Wallace 278.

Diagnostic and clinical treatment services provided by the Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, and voice disorders including laryngectomy. Also, assessment and treatment of speech and language problems resulting from stroke or head injury or related to learning disability, mental retardation, cerebral palsy, cleft palate, autism spectrum disorder, and emotional/behavioral disorder.
3. Identification of hearing loss, differential diagnosis for site of lesion, and aural rehabilitation services including auditory training, speech reading, and adjustment to the use of hearing aids.
4. Speech and language services to improve the use of Standard English and for those speaking English as a second language.

Anyone interested in the above services should contact the Clinic Secretary at (859) 622-4444, Wallace 278, or visit the Clinic website: [www.education.eku.edu/Sed/CD/clinic.htm](http://www.education.eku.edu/Sed/CD/clinic.htm).

### Baccalaureate Degrees

#### COMMUNICATION DISORDERS (B.S.)

*CIP Code: 51.0204*

**Major Requirements ..... 72 hours**  
ASL 101 or SED 240; 104, 250, 273, 275, 285, 341 or 590, 360, 365, 372, 373, 374+, 380, 464, 465, 474+, 475, 485, 486, 487, 488+, 512, 518, 541, 571 and 572.

**Supporting Course Requirements ..... 19 hours**  
BIO 171; BIO 301, 303, or 310; EDF 103, 203, and 319; ENG 410, 510, or 520; PSY 200 or 280.

**General Education Requirements ..... 46 hours**  
Standard General Education program, excluding course categories 13 and 15. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
EDO 100.

**Total Curriculum Requirements ..... 138 hours**

+to a maximum of six hours

++to a maximum of two hours

#### DEAF AND HARD OF HEARING (P-12) WITH ELEMENTARY EDUCATION (P-5) TEACHING (B.S.)

*CIP Code: 13.1003*

**Major Requirements ..... 39 hours**  
ASL 101, 102, 201; SED 104, 260, 337, 338, 375, 380, 545, 510, 518, 581.

**Elementary Education (P-5) Requirements ..... 18 hours**  
ELE 445, 446, 490, 491, 492, and 493.

**Supporting Course Requirements ..... 19 hours**  
ELE 322, 361, 362+, 365, LIB 301, MAT 201, and 202.

**Professional Education Requirements ..... 20 hours**  
EDF 103, 203, 319, ELE 499, SED 499.  
[EDF 413 met with SED 337, SED 401 waived by major in special education]

**General Education Requirements ..... 46 hours**  
Standard General Education program excluding course categories 03 and 04. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
EDO 100.

**Total Curriculum Requirements ..... 143 hours**

+Course waived for students who are hard of hearing/deaf and who are majoring in the deaf and hard of hearing teacher certification program.

#### DEAF AND HARD OF HEARING (P-12) WITH MIDDLE GRADE EDUCATION (5-9) TEACHING (B.S.)

*CIP Code: 13.1003*

**Major Requirements ..... 39 hours**  
ASL 101; SED 104, 260, 337, 338, 375, 380, 545, 510, 518, 581.

**Middle Grade Requirements (5-9) ..... 36 hours**  
EMG 430, 445, 447, and three hours from EMG 491, 492, 493, or 494.

Teaching Field/Area of Emphasis 24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies.

**Supporting Course Requirements ..... 6 hours**  
MAT 201 and 202.

**Professional Education Requirements ..... 20 hours**  
EDF 103, 203, 319, EMG 499, SED 499.

**General Education Requirements ..... 33-43 hours**  
Standard General Education program excluding course categories 03, 04, and emphasis area may use up to 12 hours in General Education as identified on the curriculum guide. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

<b>University Requirement .....</b>	<b>1 hour</b>
EDO 100.	
<b>Total Curriculum Requirements .....</b>	<b>136-145 hours</b>

+Course waived for students who are hard of hearing/deaf and who are majoring in the deaf and hard of hearing professional education certification program.

### ADMISSION TO INTERPRETING FOR DEAF INDIVIDUALS PROGRAM

Any student who is accepted by the University Admissions Office and declares their major as interpreting will be admitted as a pre-interpreting major. Admission to pre-interpreting does not guarantee admission to the Professional Interpreter Training Program. For consideration of admission into the Professional Interpreter Training Program, the following are required:

#### Admission Criteria

- An EKU GPA of 2.5 or higher.
- Successfully completed ASL 201, 202, and ITP 215, 220 with a grade of "C" or higher and an overall GPA of 2.5 or higher for these classes.
- Successfully completed the Degrees of Reading Power Language Test, and
- Completed an admission interview by the ITP Interview Committee.

The ITP Interview Committee will select and rank applicants using the following criteria: 1) signing skills, (2) GPA, (3) score on the Degree of Reading Power Language Test, (4) interview score, (5) disposition score. The ITP Interview Committee will determine the number of students admitted to the program in order to maintain an appropriate student-faculty ratio and based on available resources.

### INTERPRETER TRAINING PROGRAM (B.S.)

*CIP Code: 51.0205*

<b>Major Requirements .....</b>	<b>70 hours</b>
ASL Core .....	18 hours
ASL 101, 102, 201, 202, 301, 302.	
ITP/SED Core .....	52 hours
ITP 115, 230, 215, 220, 310, 315, 320, 370, 390, 420, 425, 430, 470, 480, 490.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
ANT 120; SED 104 and 337; SOC 310.	
<b>General Education Requirements .....</b>	<b>43 hours</b>
Standard General Education program excluding course categories, 03, 04, 09. Refer to Section Four of the <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
EDO 100.	
<b>Free Electives .....</b>	<b>2 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

### SPECIAL EDUCATION/TEACHING (B.S.) Interdisciplinary Early Childhood Education - Special Education Early Childhood

<b>Major Requirements .....</b>	<b>27 hours</b>
SED 104, 360, 304, 341, 352, 375, 436, 518, and 577.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
ELE 519, NSC 500, OTS 515, and SWK 456.	
<b>Professional Education Requirements .....</b>	<b>16 hours</b>
EDF 103, 203, and SED 499.	
<b>Minor in Child and Family Studies* .....</b>	<b>18 hours</b>
CDF 241, 244, 247, 344, 345, and 346.	
<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
EDO 100.	
<b>Free Electives .....</b>	<b>2 hours</b>
(CSC 104 or CIS 212 is an admission to professional education requirement and may be selected as a free elective.)	
<b>Total Curriculum Hours .....</b>	<b>128 hours</b>

\*Minor is currently under revision. Please check with department for current requirements.

### SPECIAL EDUCATION/TEACHING (B.S.) Learning and Behavior Disorders and Moderate and Severe Disabilities

*CIP Code: 13.1001*

*See advisor early in the program*

<b>Major Requirements .....</b>	<b>27-36 hours</b>
Core .....	18 hours
SED 104, 260, 341, 375, 518, 545.	
<b>Options</b>	
Learning and Behavior Disorders (LBD) (P-12) with Elementary Education (P-5) or Middle Grade Education (5-9) .....	12 hours
SED 351, 356, 434, and 578.	
Moderate and Severe Disabilities (MSD) (P-12) .....	18 hours
SED 240 or ASL 101; SED 300, 304, 353, 435 and 577.	
Elementary and Middle Grade Education Requirements .....	21-39 hours
LBD (P-12) with Elementary Education (P-5) .....	21 hours
ELE 445, 446, 490, 491, 492, and 493; SED 578.	
LBD (P-12) with Middle Grade Education (5-9) .....	39 hours
EMG 430, 445, 447, and three hours from EMG 491, 492, 493, 494; SED 578.	
<b>Teaching Field/Area of Emphasis</b>	
24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies.	
<b>Supporting Course Requirements .....</b>	<b>6-24 hours</b>
LBD (P-12) with Elementary Education (P-5) .....	19 hours
ELE 322, 361, 362, 365, LIB 301, MAT 201, and 202.	



**LBD (P-12) with Middle Grade Education (5-9)**  
..... 6 hours

MAT 201 and 202.

**MSD (P-12)** ..... 24 hours

ELE 445, 446, 491, LIB 301, MAT 201, 202, NSC 500, and OTS 515.

**Professional Education Requirements** ..... 19 hours**LBD (P-12) with Elementary Education (P-5)**

EDF 103, 203, 319, ELE 499, and SED 499.

[EDF 413 met with SED 351, SED 401 waived by major in special education]

**LBD (P-12) with Middle Grade Education (5-9)**

EDF 103, 203, 319, EMG 499, and SED 499.

[EDF 413 met with SED 351, SED 401 waived by major in special education]

**MSD (P-12)**

EDF 103, 203, 319, and SED 499.

[EDF 413 met with SED 353, SED 401 waived by major in special education]

**General Education Requirements** ..... 33-46 hours

Standard General Education program excluding course categories 03 and 04 (all options), LBD/EMG 5-9 emphasis area may use up to 12 hours in General Education as identified on the curriculum guide (GEW). Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... 1 hour  
EDO 100.

**Free Electives:** As needed to reach a total of 128 hours.  
(CSC 104 or CIS 212 is an admission to professional education requirement and may be selected as a free elective.)

**Total Curriculum Requirements** ..... 128-136 hours**SPECIAL EDUCATION (NON TEACHING) (B.S.)****Deaf and Hard of Hearing**

(CIP Code: 13.1003).

**Interdisciplinary Early Childhood –  
Special Education Early Childhood**

(CIP Code: 13.1001).

**Learning and Behavior Disorders**

(CIP Code: 13.1001).

and

**Moderate and Severe Disabilities**

(CIP Code: 13.1001)

**Major Requirements** ..... 36-39 hours**Core (IECE-SEEC)** ..... 21 hours

SED 104, 260, 341, 375 (9 hours), and 518.

**Core (DHH, LBD, MSD)** ..... 24 hours

SED 104, 260, 341, 375 (9 hours), 518, and 545.

**Options****Interdisciplinary Early Childhood****Education - Special Education****Early Childhood (IECE-SEEC)** ..... 15 hours

SED 304, 352, 436, 577, and 578.

**Deaf and Hard of Hearing (DHH)** ..... 12 hours

ASL 101 and 102; SED 337 and 380.

**Learning and Behavior Disorders (LBD)**

## ..... 9 hours

SED 351, 356, and 434.

**Moderate and Severe Disabilities (MSD)**

## ..... 18 hours

SED 240 or ASL 101; SED 300, 304, 353, 435 and 577.

**Supporting Course Requirements** ..... 12-15 hours**DHH, LBD, and MSD Options** ..... 15 hours

PSY 280, (12 hours selected from CDF 132, 437, NSC 500, OTS 515, PHI 130, PSY 308, REC 311, SOC 235, or SWK 358.) Courses taken for General Education may *not* be used for Supporting Course Requirements.

**IECE-SEEC Options** ..... 12 hours

ELE 519, NSC 500, OTS 515, SWK 456.

**Minor Requirements** ..... 18 hours

**DHH, LBD, and MSD Options** (Refer to Section Five of this *Catalog* for list of minors offered)

**IECE-SEEC**

(Minor in Child and Family Studies)

CDF 241, 244, 247, 344, 345 and 346.

**General Education Requirements** ..... 52 hours

Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement** ..... 1 hour

EDO 100.

**Free Electives (As needed to meet 128 hours)** .... 1-12 hours**Total Curriculum Requirements** ..... 128 hours**Minors****AMERICAN SIGN LANGUAGE (ASL) STUDIES**

The minor in American Sign Language teaches communication competency in a visual language. Students become knowledgeable about aspects of the hard-of-hearing and deaf community. For careers working with the public, this minor is beneficial for understanding and communicating with the deaf and hard-of-hearing. This minor does not prepare students to interpret, nor fulfill the pre-admission and admission process for the Interpreter Training Program.

**Required Courses** ..... 12 hours

ASL 101 ..... 3

ASL 102 ..... 3

ASL 201 ..... 3

ASL 202 ..... 3

**Electives (select two courses)** ..... 6 hours

ITP 115, 215, 315, or 337 ..... 6

**Total Requirements** ..... 18 hours**SPECIAL EDUCATION (NON-TEACHING)**

Prerequisites must be honored.

**Required Courses** ..... 9 hours

SED 104, SED 260, and SED 341.

**Electives** ..... 9 hours

SED 240, 300, 337, 338;

SED 351 or 352 or 353; SED 356, 388;

SED 434 or 435 or 436; SED 518, 578,

579, 591.

**Total Requirements** ..... 18 hours

## **Provision of Services**

### **COURSES FOR PROVIDING SERVICES TO THE DEAF AND HARD OF HEARING**

The following course work cluster is designed to meet the needs of individuals trained in a variety of paraprofessional and professional programs who, upon graduation, are interested in the provision of services to deaf and hard of hearing children, youth, and adults. The course work provides an introduction to cultural awareness and the development of communication skills.

#### **Prerequisite Courses\* ..... 15 hours**

ASL 101, 102, 201, and 202; SED 115.

#### **Required Courses ..... 9 hours**

SED 774\*\*, SED 830, and PSY 845.

\*These courses or the equivalent of these courses demonstrated through proficiency in American Sign Language and an equivalent orientation to deafness course.

\*\*Practicum assignments will be interfaced with the individual's specialty area and placement will be in a setting serving deaf and hard of hearing children, youth, and adults.

# College of Health Sciences

**Dr. David D. Gale, Dean**  
**Rowlett 203**  
**(859) 622-1523**

**Dr. Donald L. Calitri, Associate Dean**  
**Rowlett 204**  
**(859) 622-1523**  
**donald.calitri@eku.edu**

**Dr. Deborah Whitehouse, Associate Dean**  
**Rowlett 225**  
**(859) 622-1956**  
**deborah.whitehouse@eku.edu**

Department/Area	Contact Person	Phone
Clinical Laboratory Science	Dr. D. B. Barnett	(859) 622-3078
Division of Continuing Education & Dev.	Ms. Kathy Hall	(859) 622-1826
Environmental Health Science	Dr. D. B. Barnett	(859) 622-3078
Exercise and Sport Science	Dr. Lonnie Davis	(859) 622-1887
Family and Consumer Sciences	Dr. Diane Leggett	(859) 622-3445
Burrier Child Development Center		
Health Promotion and Administration (Health Education, Health Information, Health Services Administration, Medical Assisting Practice)	Dr. Michael Ballard	(859) 622-1142
Health Sciences Learning Resource Center	Dr. Patsy Daugherty	(859) 622-2091
Health Careers Opportunity Program	Dr. Patsy Daugherty	(859) 622-8207
Nursing (Associate)	Ms. Peggy Tudor	(859) 622-1942
Nursing (Baccalaureate & Graduate)	Dr. Deborah Whitehouse	(859) 622-1956
BSN/MSN Outreach	Dr. Judy Short	(859) 622-1941
Nursing Skills Lab	Ms. Brenda Foley	(859) 622-2092
Occupational Therapy	Dr. Onda Bennett	(859) 622-3300
Recreation & Park Administration	Dr. Charlie Everett	(859) 622-1833

<b>For Assistance in:</b> Baccalaureate and Graduate Nursing Clinical Laboratory Science/Environmental Health Science Health Promotion and Administration Health Information/Medical Assisting Practice Occupational Therapy	<b>For Assistance in:</b> Associate Degree Nursing Family and Consumer Sciences Exercise and Sport Science Recreation and Park Administration
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<b>Please contact:</b> Julie K. Brewer, Academic Administrative Specialist Rowlett 205A (859) 622-1139 julie.brewer@eku.edu	<b>Please contact:</b> Sheila F. Adkins, Academic Administrative Specialist Rowlett 205B (859) 622-1683 sheila.adkins@eku.edu
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<b>For Assistance in:</b> Admissions Scholarships/Professional Liability Insurance Clinical Educational Agreements	<b>For All Other Assistance:</b>
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<b>Please contact:</b> Carole Moores, Academic Administrative Specialist Rowlett 241 (859) 622-1137	<b>Please contact:</b> The Main Office Number (859) 622-1523 or visit our Homepage www.health.eku.edu
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## MISSION STATEMENT

To provide excellent teaching, scholarship, and service in the College of Health Sciences to prepare professionals and leaders in health and human sciences.

## VISION

By 2010, graduates of the College of Health Sciences will consistently demonstrate advanced knowledge and abilities, leadership and compassion as they actively shape and improve the health and well being of individuals, families, and communities.

The College of Health Sciences will be nationally recognized as a center for outstanding teaching, scholarship, service and educational outreach. The College will be centralized in a state-of-the-art facility supporting academic community collaboration. Grant writing and entrepreneurial activities of faculty and staff will support innovative programs addressing societal needs. Education in existing and emerging fields with multi-interdisciplinary studies at all levels will draw students from the Commonwealth, the nation and the world.



## GOALS

- 1) To provide high quality accredited and approved programs at the undergraduate and graduate levels for individuals who wish to pursue a health and human science profession.
  - a) Maintain state, regional and/or national undergraduate and graduate program accreditation.
  - b) Maintain state, regional and/or national approval.
- 2) To support the student in the acquisition of professional knowledge and skills necessary for the delivery of health and human sciences.
  - a) Maintain pass rates at or above the national average on all required credentialing examinations.
  - b) Ensure the majority of students will exceed the minimum standards on all required credentialing exams.
  - c) Assess the need for developing and evaluating educational delivery systems for high quality programs.
- 3) To contribute to a healthy community by promoting a high level of wellness and fitness as a way of life.
  - a) Provide health and fitness through general education courses and college curricula.
  - b) Assess the success in meeting general education goals through short and long-term evaluations.
- 4) To maintain national recognition in health and human sciences that will contribute to the societal needs of the citizens of the Commonwealth, the region, and nation.
  - a) Recruit and retain high quality students.
  - b) Initiate community outreach efforts to respond to the needs of rural and urban underserved populations.
  - c) Maintain national accreditation.
  - d) Increase grant and contract submission and funding.
- 5) To provide opportunities for career mobility and continuing education that will enhance health and human sciences for the citizens of the Commonwealth.
  - a) Increase the number and scope of course offerings.
  - b) Conduct on-going continuing education assessment to determine course offerings.
  - c) Assess needs for developing and evaluating educational delivery systems for continuing education.
- 6) To develop and expand the knowledge base in health and human sciences.
  - a) Contribute to the body of knowledge through creative and scholarly activities.
  - b) Obtain scholarships and funding from internal/external sources.
  - c) Disseminate results of research and health knowledge to the community of interest.
- 7) To encourage the development of learning experiences that will enhance an interdisciplinary and team concept in health care, human services, human performances and the principles of life-long learning.

- a) Increase collaboration with community agencies to enhance quality student educational experiences.
  - b) Develop and build public/private partnerships and opportunities that lead to enhanced training and certifications for "real world practice".
  - c) Promote cost effective interdisciplinary teaching, research and service.
- 8) To increase College level development activities and resource enhancement effectiveness.
    - a) Develop a College action plan for funds and resource development.
    - b) Provide training and focus to both Department Chairs and faculty regarding funds and resource development activities.
    - c) Identify prospective development opportunities.
    - d) Maintain enhanced contact with foundations and successful alumni.

## ADMISSION REQUIREMENTS FOR COLLEGE

The College of Health Sciences accepts applications from all persons who are qualified for admission to the University. All applicants must provide evidence of their ability to meet the academic standards established by the various programs. Due to enrollment limitations of some programs, applications should be made early. Applications received after the deadline of a program will be processed and admissions recommended on a space available basis. Specific entrance requirements for each program are shown in the departmental sections of this *Catalog*.

## ADMISSION POLICIES

1. Students must follow the general admission policies of the University before being considered for enrollment in programs within the College of Health Sciences. Specific admission criteria are provided under each of the Health Sciences programs. The student is responsible for obtaining information for the application process including department deadlines.
2. Transfer work must be from an accredited institution and with a minimum grade of "C-" in major and supporting courses. The applicant must be eligible to return to the last institution attended.
3. Work taken more than eight years previously must be approved by the Dean of the College.
4. In the event that a student is not accepted for a program, the student who wishes to reapply must submit a new application and related materials that will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs.

Students who have not reached a decision on a specific health science major may obtain counseling/guidance from individual program directors in the College of Health Sciences.

The programs in the College of Health Sciences are designed to prepare graduates for practice in health and human services professions. Most require licensure and/or certification after graduation and prior to practice. A criminal record (excluding minor traffic violations) may make a person ineligible for licensure or certification in these professions. Students with such a history should contact the licensing or certifying body prior to enrollment to determine whether this might be the case.

Placement in certain clinical sites, particularly those that involve practice with children, requires a background check by the Kentucky State Police to determine whether the student has a criminal history that would prevent their participation in that clinical experience.

## STUDENT AGREEMENT STATEMENT

Programs in the College of Health Sciences may require a student to sign an agreement statement that encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

## STUDENT LIABILITY (MALPRACTICE) INSURANCE

All students whose programs require participation in clinical learning experiences must purchase and maintain liability insurance through the University during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

## ACCREDITING AGENCIES AND CLINICAL FACILITIES

### Accrediting Agencies

#### Accreditation Council for Occupational Therapy Education (ACOTE)

4720 Montgomery Lane  
Bethesda, Maryland 20814  
301-652-2682

#### American Nurses Credentialing Center

600 Maryland Avenue, S.W., Suite 100 West  
Washington, DC 20024-2571  
800-274-4262

#### Commission on Accreditation of Allied Health Education Programs:

35 East Wacker Drive, Suite 1970  
Chicago, IL 60601-2208  
312-553-9355

#### American Association of Medical Assistants

20 North Wacker Drive #1575  
Chicago, IL 60606-2903  
800-ACT AAMA

#### American Health Information Management Association

233 North Michigan Ave., Ste. 2150  
Chicago, IL 60601-5800  
312-233-1100

#### Commission on Collegiate Nursing Education

One Dupont Circle, NW, Suite 530  
Washington, DC 20036-1120  
202-887-6791

#### Commission on Accreditation for Dietetics Education of American Dietetics Association

216 West Jackson Boulevard  
Chicago, IL 60606-6995

#### National Accrediting Agency for Clinical Laboratory Science

8410 W. Bryn Mawr  
Chicago, IL 60631  
312-714-8880

#### National Academy of Early Childhood Programs of the National Association for the Education of Young Children

1509 16th St., NW  
Washington, DC 20036  
800-424-2460

#### National Council for Accreditation

#### National Recreation and Park Association/American Association for Leisure and Recreation Council on Accreditation

22377 Belmont Ridge Road  
Ashburn, VA 20148  
703-858-2150

#### National Council for the Accreditation of Teacher Education (NCATE)

2010 Massachusetts Ave., NW, Suite 500  
Washington, DC 20036-1023  
202-466-7496

#### American Association for Health Education

1900 Association Drive  
Reston, VA 22901-1599  
703-476-3437

#### National Association for Sport and Physical Education

1900 Association Drive  
Reston, VA 22091-1599  
800-213-7193

#### National Environmental Health Science and Protection Accreditation Council

3719 SE Hawthorne Blvd., Box 251  
Portland, OR 97214  
(503) 235-6047

#### National League for Nursing Accrediting Commission

61 Broadway, 33rd floor  
New York, NY 10006  
212-363-5555 ext 153

#### Society of Public Health Educators

1015 Fifteenth Street, NW, Suite 410  
Washington, DC 20005  
202-408-9804

## CLINICAL FACILITIES

The University maintains formal contracts with many health care Human Services and Educational agencies located throughout Kentucky and the southeastern United States. Almost every specialty within the entire health care spectrum is available for use in providing high quality experiences for students enrolled in the programs. A list of cooperating agencies is available through the Office of the Dean.

The University is not liable for, nor is there a fund from which payment can be made for those who are inconvenienced or incur expenses based upon canceled classes, assignments, or clinical placements, etc.

## BLOODBORNE PATHOGENS AND HEPATITIS B STATEMENT

The College of Health Sciences attempts to impart the principles and practice of infection control to its students who may have future occupational exposure to bloodborne pathogens. To this end, students majoring in athletic training, clinical laboratory

science and technology, medical assisting, nursing, and occupational therapy are required to receive education in universal precautions and the Occupational Safety and Health Administration's (OSHA) Bloodborne Pathogens Standard Regulations. Students will be responsible for obtaining the Hepatitis B vaccination before participation in the clinical training phase of their respective programs when indicated. Students who may potentially be exposed to blood and body fluids are required by most of our clinical agencies to have obtained the Hepatitis B vaccine. If this requirement is placed upon the student, it will be strictly enforced. Please see the departmental student handbook for further clarification.

## DEGREE REQUIREMENTS

The students are responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate that will enable the students to satisfy requirements for graduation.

General University requirements described in Section Four of this *Catalog*, and specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Health Sciences. See programs under each department for major and minor requirements. All first-year students in the College of Health Sciences must enroll in the Academic Orientation course (HSO 100).

Besides the general University requirements, specific degree requirements for the College of Health Sciences are as follows.

### Baccalaureate Degree

1. A minimum grade of "C-" in each CLS, EHS, HEA, HNF, MPM, NSC, OTS, REC course and selected CHS courses is required.
2. HEA 281 is not required in the general education requirements for nursing students.
3. Students pursuing a baccalaureate degree in any health sciences major shall be allowed to declare a minor or a second major outside the College of Health Sciences. Any student who chooses to pursue a minor or second major must have as their primary advisor a faculty member from the College of Health Sciences.

### Associate Degree

1. A minimum grade of "C-" in each CLT, HNF, MAS, NUR course and selected CHS courses is required.
2. A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and 102, or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities), categories 09-12 (social science), and categories 13-16 (natural sciences) or an approved MAT course from category 03. Courses that meet general education requirements have been identified by an asterisk(\*). In addition, an orientation course (HSO 100) is required for all associate degree programs.

### Appeals

Appeals procedures are detailed in the Departmental and University Handbooks and in the department sections.

## Division of Continuing Education and Development

### Director

Ms. Kathy Hall  
(859) 622-2143  
Perkins 215

The Division of Continuing Education and Development in the College of Health Sciences was formed in 1977 in order to help meet the needs of nurse professionals for mandatory continuing education in the state of Kentucky. Although nursing has continued to be the largest enrollment group, many of the activities are also of interest and applicable to the other health-related professional programs in the College of Health Sciences. The mission of the Division of Continuing Education is to provide quality continuing education activities which promote excellence in professional practice. Programming is designed to meet the assessed needs of health professionals in the surrounding community and region and focuses on the enhancement of clinical competence, professional development, and/or personal growth.

The Division is nationally accredited by the American Nurses Credentialing Center and approved by the Kentucky Board of Nursing. Continuing education is seen as an integral component of the life-long process of learning. Health and human services professionals seek quality continuing education opportunities in order to function competently in a continuously changing health care environment. Continuing education provides a holistic approach to health --encompassing the physical, intellectual, social, and spiritual aspects and focusing on the restoration, maintenance and/or promotion of health.

A variety of teaching-learning approaches are used such as lecture, discussion, and experiential group work. In an effort to reach as many participants as possible, learning activities are accessible through independent study approaches, distance education opportunities, as well as both on and off-campus presentations. Continuing education contact hours are awarded for successful completion of these activities. For further information, contact the Division of Continuing Education and Development, 202 Perkins Building, (859) 622-2143.

## HEALTH SCIENCES LEARNING RESOURCE CENTER

### Director

Dr. Patsy Daugherty  
(859) 622-2091  
Rowlett 310

The Health Sciences Learning Resource Center is a multi-media library, study, and computer center for the College of Health Sciences. It provides support to the instructional needs of the faculty through multi-media resources, equipment, and other services. The primary purpose of the Center is to provide the student the opportunity to reinforce previous learning of clinical classroom content through independent review of multi-material materials and computer aided instructional programs.



Students also have access to other resources such as anatomical models and charts, interactive video resources, professional articles, e-mail, the internet, literature searches, and word processing. The Learning Resource Center is located in the Rowlett Building, Room 310.

### Pre-Professional Programs

#### Advisor

**Dr. Patsy Daugherty**  
(859) 622-2091  
Rowlett 311

Students interested in a pre-professional allied health program, such as physical therapy, physician assistant, or dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional curriculum level. It is strongly recommended that out-of-state students communicate with colleges in their own state regarding curriculum requirements. At the time of advisement, students who are interested in a specific allied health program such as physical therapy, physical assistant, or dental hygiene should provide a copy of the curriculum outline for the program to which they plan to transfer. Students interested in these transfer programs should consult with an advisor for assistance in developing a specific curriculum. The 71 hours of course work listed below are suggested courses, generally for freshmen and sophomores at most institutions. Again, please consult with an advisor for courses, specific to the pre-professional programs of your choice.

Two semesters of English composition .....	6 hours
Two semesters of psychology .....	6 hours
Two semesters of general chemistry with lab .....	8 hours
Two semesters of physics with lab (physical therapy) .....	10 hours
Sociology .....	3 hours
Two semesters of general zoology or biology with lab .....	8 hours
General Education courses (includes six hours of history, six hours of humanities, six hours of math) .....	18 hours
Two semesters of foreign language (or two years in high school) .....	6 hours
Electives .....	6 hours
Total pre-professional courses .....	71 hours

### Health Careers Opportunity Program

#### Director

**Dr. Patsy Daugherty**  
(859) 622-8207  
Dizney 132

#### Professional Staff

**B. Shirey, C. Wagoner**

The Health Careers Opportunity Program (HCOP) is a recruitment and retention effort that is intended to enable students from Appalachian counties of Kentucky to succeed in a health science major. Ultimately, the goal is to improve healthcare in Kentucky by educating students from the area who will likely return to their home communities to provide health care to friends, family, and neighbors.

Some of the services provided by HCOP include recruitment of students from high schools to a summer enrichment and college transition program; counseling and self-improvement strategies; supplemental instruction in 'gatekeeper' science courses; GRE prep courses; and PCAT preparation. Partnerships are also developed with elementary, middle, and high schools as well as area health education centers and health care facilities to identify students and provide shadowing experiences.

### INTERDISCIPLINARY MINOR IN GERONTOLOGY

Gerontology is the scientific study of the aging process. It includes: a) the study of physical, mental, and social changes in older people as they age; b) the investigation of the changes in society resulting from the aging population; and c) the application of this knowledge to policies and programs. Population projections indicate that the over 65 population will rise to almost 70 million, or one-fifth of the total United States population, by the year 2030. Students in virtually every academic discipline will need specialized information and training in gerontology in order to deal successfully with the needs of an aging society.

A student may complete an Interdisciplinary Gerontology minor by taking 27 hours (including prerequisites) as indicated below. Required courses include the following 12 hours: CHS 250; ANT/SOC 415\*; BIO 310\*; and PSY 316.\* An additional six hours of electives shall be selected from the courses listed below.

CHS 570; HEA 593; NFA 509; REC 411; and SWK 457.

\*Indicates the course has a prerequisite.

### Department of Associate Degree Nursing (RN)

#### Chair

**Ms. Peggy T. Tudor**  
(859) 622-1942  
Rowlett 220

#### Faculty

**C. Alcorn, M. Brown-Davis, R. Gaffney, V. Grubbs,  
K. Halcomb, J. Jinks, J. Lindquist, C. McAlister, C. Melton,  
M. Powell, D. Ricketts, F. Sharp, M. Slater, P. Tudor,  
K. Wilder, C. Williamson, and C. Yang**

The Department of Associate Degree Nursing, established in 1965, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing Accrediting Commission. The nursing program leading to an associate degree is four semesters in length. Nursing is the creative application of principles drawn from the biological, physical, psychological, and social sciences used to promote wellness, prevent illness, restore health, and facilitate coping. General education in the biological, behavioral, and social sciences and liberal arts provides the foundation for the associate degree in nursing. The nursing component of the curriculum is composed of nursing theory with the application of that theory in a clinical setting. Central to the development of a nurse-client relationship is the commitment to caring by the nurse.

The Associate Degree registered nurse functions as a provider of care, a manager of care, and a member within the discipline of nursing. These roles require one to have an ability to think in a logical manner, develop clinical competence, and show a commitment to caring.

The Associate Degree Nursing curriculum emphasizes basic needs of humans throughout the life cycle and the adaptation of humans to changes in their environment. The curriculum requires a student to be an independent learner, highly motivated, and intellectually mature.

The program prepares the graduate to function as a generalist registered nurse (R.N.) to practice in a variety of positions in a variety of clinical settings. Graduates of the program earn an associate of science in nursing (ASN) degree and are eligible to apply for the national licensure examination. Graduates of the program who pass the national licensure examination are then licensed as registered nurses.

### Educational Outcomes

Upon completion of the program, the graduate will be able to:

1. Utilize the nursing process as a basis for providing health care for clients.
2. Manage health care for a client or group of clients within ethical and legal parameters of practice.
3. Exhibit a commitment to self-growth and to the improvement of health care.

### Admission Requirements and Procedures

All students who are admitted to ECU and declare their major as associate degree nursing are admitted as pre-associate degree nursing majors. However, admission to the University does not guarantee admission to the Associate Degree Nursing Program.

Students are eligible to be considered for admission to the Associate Degree Nursing Program only after having been admitted to the University. Applications for the Associate Degree Nursing program are available through the department office or online at <http://www.adn.eku.edu>.

Applicants are eligible to be considered for admission who have:

1. Met University requirements for proficiency in English, reading and mathematics.
2. Met the Pre-College Curriculum requirements.
3. A high school or college (cumulative and ECU) GPA of 2.5 on a 4.0 scale.
4. Grades of "C-" or better in any supporting courses that have been completed.

Students may be admitted on a *provisional* status who do not meet the above requirements, but who demonstrate proficiency in English, reading, and math and who have a GPA of 2.0-2.49.

Applications are considered for the fall semester (received by March 1), or until the class is filled, and for the spring semester (received by October 1), or until the class is filled. Applications received after the deadline will be processed on a space availability basis. The Department Admissions Committee will evaluate each applicant's academic history and select those applicants who are the most academically qualified. Should there be more qualified applicants than spaces available, admission becomes competitive. Admission to the program is limited and completion of eligibility criteria does not ensure admission into the program.

### Students Transferring from Another Nursing Program

Transfer students must meet the following criteria in addition to admission criteria of Eastern Kentucky University and the Department of Associate Degree Nursing:

1. The nursing credits transferred must be comparable to Department nursing credits for a maximum of 14 semester hours credit.
2. A complete course outline must be submitted for each nursing course.
3. The student must have a passing grade in any nursing course transferred from that nursing program.
4. The student must have transferred from a regionally or NLNAC accredited institution.

Each transfer student will be considered on an individual basis by the Department Chair and the Department Admissions Committee.

### Plan for the Licensed Practical Nurse

The Department of Associate Degree Nursing offers the opportunity to the Licensed Practical Nurse to complete the course of study leading to the Associate of Science in Nursing degree. The LPN is required to take NUR 205, NUR 232, NUR 234, NUR 242, and NUR 255 and all non-nursing courses in the curriculum. The LPN is granted credit for NUR 112, NUR 116, NUR 124, and NUR 126 after successful completion of NUR 205. Licensed practical nurse applicants are eligible to be considered for admission who have:

1. Met University requirements for proficiency in English, reading and mathematics.
2. Met the Pre-College Curriculum requirements.
3. A college (cumulative and ECU) GPA of 2.5 on a 4.0 scale.
4. Grades of "C-" or better in any supporting courses that have been completed.

In addition to the criteria for admission, the applicant who is a licensed practical nurse (LPN) must:

1. Submit evidence of licensure from a jurisdiction recognized by the National Council of State Boards of Nursing.
2. Have practiced as an LPN within the past two (2) years.

Curriculum requirements may change. Students are advised to keep themselves informed through their academic advisor and department chair.

### Progression in the Program

In order for students to follow the established progression of the program sequence, they must:

1. Meet all prerequisites.
2. Maintain a cumulative and ECU GPA of 2.0 on a 4.0 scale.
3. Complete all major courses with a "C-" or better, and supporting courses with a "C-" or better.

### Clinical Requirements

Transportation to all clinical experiences is the responsibility of the student.

Before a student can progress to a clinical experience the following requirements must be met:

1. Proof of professional liability insurance purchased through the University.
2. Proof of CPR certification (annually).
3. Proof of Rubella, Rubeola, and Mumps immunity.
4. Proof of Hepatitis B immunity.
5. Proof of TB skin test (annually).
6. Proof of Varicella immunity.

### Readmission Policies and Procedures

A student who fails to progress must make application for readmission to the program and be processed through the Admissions/Progression Committee. **READMISSION TO A NURSING COURSE IS NOT GUARANTEED TO ANY STUDENT.** This committee represents the Department of Associate Degree Nursing which has the authority in readmission decisions for the department. The student is advised to refer to their copy of the Department Student Handbook for specific procedures concerning readmission.

### NURSING (A.S.N.)

*CIP Code: 51.1601*

**Major Requirements ..... 38 hours**  
NUR 112, 116, 124, 126, 205\*, 232, 234, 242, and 255.

**Supporting Course Requirements ..... 23 hours**  
BIO 171\*, 273, 301\*, CHE 105\*, NFA 201, PSY 200, and SOC 131\*.

**General Education Requirements ..... 9 hours**  
Three hours general education humanities, and six hours of English composition.

**University Requirement ..... 1 hour**  
HSO 100.

**Total Curriculum Requirements ..... 71 hours**

\*Courses meeting general education requirements.

\*\*Required of Licensed Practical Nurses Only

## Department of Baccalaureate and Graduate Nursing

### Chair

**Dr. Deborah Whitehouse**  
(859) 622-1827  
Rowlett 223

### Faculty

**J. Begley, D. Belcher, B. Bentley, P. Birchfield, D. Brashear, D. Demaree, G. Denham, S. Evans, S. Fister, A. Gregg, S. Hall, B. Hart, E. Hunter, L. Kelley, T. Loan, P. Moore, C. Palmer, J. Pollmann, P. Schlomann, J. Schmitke, J. Short, I. Slusher, K. Stephens, S. Treadway, S. Virgin, E. Waters, M. Whitaker, D. Whitehouse, P. Woods, and L. Wray**

The nursing program leads to a baccalaureate degree. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. The collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of

instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal classroom instruction and supervised experiences in hospitals, clinical agencies, and a variety of community settings. The nursing program prepares the individual to function as a generalist and lays the foundation for graduate study in clinical specialties, research, teaching, supervision, and/or administration. Graduates of the program earn a baccalaureate degree in nursing (BSN) and are eligible to write the national licensure examination (NCLEX). Graduates of the program who successfully write the NCLEX examination are licensed to practice as registered nurses.

The baccalaureate nursing program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of ECU and the College of Health Sciences, the Department of Baccalaureate and Graduate Nursing attempts to provide opportunities for the individual to act independently, to think critically, to communicate effectively, and to practice professional nursing with integrity, enlightenment and creativity.

The baccalaureate nursing program is approved by the Kentucky Board of Nursing and accredited by the Commission on Collegiate Nursing Education.

### Professional Nursing Practice Outcomes

Upon completion of the baccalaureate nursing program the BSN graduate:

1. Treats clients as unique and self-directive with the right to make decisions for themselves concerning health matters.
2. Uses the nursing process to provide and manage primary, secondary and tertiary prevention care for clients in a variety of settings.
3. Uses critical thinking and research methodologies to understand relationships, provide therapeutic interventions, predict outcomes, and influence the delivery of health care.
4. Has the knowledge and ability to assume a leadership role in health care by communicating and collaborating with clients and other health care professionals.
5. Is a consumer and sociopolitical advocate who supports effective, responsible, economic interdisciplinary health care.
6. Promotes the ethical and legal practice of professional nursing.
7. Demonstrates accountability and competence in nursing practice.

### Admission and Progression Requirements

All students who are accepted by ECU's Admissions Office and declare their major as baccalaureate nursing (four-year nursing) are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the laboratory nursing courses. Students seeking to enter NSC 232 must meet minimum program GPA requirements of 2.5 or have department chair approval. To be admitted to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan. All prerequisite courses must be completed with a grade of "C-"/2.0 or better, and a minimum cumulative GPA of 2.5 on a 4.0 scale must be obtained. Admission to the clinical courses is competitive and based primarily on GPA.

In addition to the academic criteria required for admission, the student must meet the standards written into the Commonwealth of Kentucky Nurse Practice Act. Specifically, the Nurse Practice Act requires that each student be of good moral and ethical



character, good mental and physical health, and be academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

For progression, students must earn a grade of "C-"/2.0 or better in all nursing and supporting courses. The program reserves the right to alter the suggested plan as necessary to enhance a quality educational program. Students interested in entering graduate study may apply to the Graduate School. Master's degree options available are the Rural Health Family Nurse Practitioner and the Rural Community Health Care Nursing option which has a functional area in administration.

### Transfers from Other Colleges and Universities

Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the Office of the Registrar. Credits more than eight years old must be approved.

Transfer students must submit copies of all transcripts along with their application to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement.

Students wishing to transfer nursing courses from another accredited institution must have a grade equivalent of "C-"/2.0 or better in any nursing course to be transferred. In addition, the applicant must submit complete course outlines and/or syllabi. This material should be submitted well in advance of expected matriculation to provide time for necessary evaluation.

### Specific Degree Requirements for Bachelor of Science in Nursing Degree

In addition to the general requirements for the baccalaureate degree, students must earn a grade of "C-"/2.0 or better in all nursing and supporting courses.

#### NURSING (B.S.N.)

CIP Code: 51.1601.01

<b>Major Requirements</b> .....	<b>65 hours</b>
NSC 232, 242, 252, 330, 332, 350, 380, 386, 390, 392, 396, 480, 484, 486, 492, 495.	
<b>Supporting Course Requirements</b> .....	<b>29 hours</b>
BIO 171, 273, 301, CHE 105, NFA 201, PSY 200, SOC 131 and 345 or CDF 132 or approved substitution and STA 215 or approved substitution.	
<b>General Education Requirements</b> .....	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 09, 13, 14, 15, 16, and 19. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
HSO 100.	
<b>Free Electives</b> .....	<b>2 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

### Plan for Registered Nurses (RN-BSN-MSN)

The Department of Baccalaureate and Graduate Nursing offers the opportunity for registered nurses to earn both the baccalaureate and masters degree in nursing. Admission requirements include an Associate Degree in Nursing (or 3 year diploma program), current free and unrestricted R.N. license in Kentucky, plus the following supporting requirements or approved substitutions: minimum of 12 credit hours in Natural Sciences, which includes content in anatomy, physiology, microbiology, and chemistry; 9 credit hours in Social Sciences, including SOC 131 or equivalent, psychology, and family studies, and 3 credit hours in nutrition. Students interested in continuing in the M.S.N. program after completion of the B.S.N. should make application for graduate studies during the senior year.

#### NURSING POST RN OPTION (RN-BSN)

CIP Code: 51.1601.02

<b>Major Requirements</b> .....	<b>52 hours</b>
NSC 330*, 332, 350, 381, 385**, 390, 480, 486, 492, 495.	
*Credit by Exam option.	
**Upon successful completion of NSC 385, the RN is granted credit for NSC 380, 386, and 484	
<b>Additional Supporting Requirements</b> .....	<b>3 hours</b>
STA 215 or approved substitution.	
<b>General Education Requirements</b> .....	<b>31 hours</b>
Standard general education program, excluding course categories 03, 09, 13, 14, 15, 16, and 19. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Free Electives</b> .....	<b>3 hours</b>
<b>Minimum Total Degree Requirements*</b> .....	<b>128 hours</b>

\*Degree requirements will include transfer courses, support courses, major requirements, General Education requirements and University requirements that will total a minimum of 128 hours.

### Plan for B.S.N. Second Degree Option

The Department of Baccalaureate and Graduate Degree Nursing offers students who already hold a non-nursing bachelor's degree from a regionally accredited institution the opportunity to complete the Bachelor of Science in Nursing degree in an accelerated program of study. Second degree students should have completed course work in anatomy, physiology, and microbiology prior to admission to the nursing major. Classes are admitted each fall semester.

#### NURSING (B.S.N.) SECOND DEGREE OPTION

CIP Code: 51.1601.01

<b>Major Requirements</b> .....	<b>62 hours</b>
NSC 232, 252, 330, 332, 350, 380, 386, 390, 392, 396, 480, 484, 486, 492, 495.	
<b>Supporting Course Requirements</b> .....	<b>6 hours</b>
NFA 201, STA 215 or approved substitutions.	
<b>General Education Requirements</b> .....	<b>0 hours</b>
All general education and University requirements are met with prior Bachelor's degree from a regionally accredited institution.	
<b>Total Curriculum Requirements</b> .....	<b>68 hours</b>

## Department of Clinical Laboratory Science

### Chair

**Dr. D. B. Barnett**  
(859) 622-2191  
Dizney 220

### Faculty

**P. Campbell, D. Hufford, and S. Noblitt**

### **Clinical Laboratory Science (CLS) Program**

All students who are accepted by the EKU Admissions Office and declare their major as clinical laboratory science (CLS) are accepted into the pre-CLS major. Admission to the upper-division (professional) and cytotechnology programs require an overall grade point average (GPA) of 2.5 with a grade of "C-"/2.0 or better in each of the required supporting and major courses. Transfer students must maintain a GPA of 2.5 in courses at EKU as well as an overall GPA of 2.5.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements.

### **Clinical Laboratory Technology (CLT) Program**

For admission to the CLT program, a high school graduate must meet a minimum of two out of three of the following:

1. ACT minimum standard score of 18.
2. Minimum high school grade point average (GPA) of "B."
3. Projected rank of upper third of high school graduating class.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements. While awaiting acceptance, students will be assigned to the pre-CLT major.

Change of major and transfer students must have attained a minimum of 2.25 overall GPA on a minimum of 12 hours attempted. Any transfer student not having the minimum GPA will be assigned to the pre-CLT major until the minimum requirement is attained.

### **Progression Policy**

The Department of Clinical Laboratory Science limits the number of major courses which may be repeated. Students are allowed only one repeat per major course and a total of not more than two repeats in all major courses combined. In addition, a supporting course may usually be repeated only once.

To remain in the upper division CLS program, a student must maintain an overall GPA of 2.5 and with a grade "C-"/2.0 or better in each of the supporting and major courses of the curriculum.

A GPA of 2.25 is required to remain in the CLT program. In addition, students must earn a grade of "C-"/2.0 or better in each of the major and supporting courses of the CLT curriculum. Students not meeting the minimum requirements will be assigned pre-CLT major status and have the opportunity to enroll in general education and supporting courses in order to establish an acceptable GPA.

## Baccalaureate Degree

### **CLINICAL LABORATORY SCIENCE/OPTION CYTOTECHNOLOGY (B.S.)**

*CIP Code: 51.1005*

<b>Major Requirements .....</b>	<b>37-58 hours</b>
<b>Upper Division Core .....</b>	<b>57 hours</b>
CLS 201, 300, 303, 305, 308, 309, 310, 320, 346, 350, 355, 431, 432, 434, 436, 437, 438, 439, 440, and 441.	
<b>Option .....</b>	
<b>Cytotechnology .....</b>	<b>37 hours</b>
CLS 404, 406, 408, 410, 412, 414, 416, 418, 420, and 422.	
<b>Supporting Course Requirements .....</b>	<b>26-31 hours</b>
<b>Upper Division .....</b>	<b>29 hours</b>
BIO 121, 348 or 301/378, CHE 111, 112, 330, CHS 200, CIS 212 or CSC 104, and MAT 107.	
<b>Cytotechnology .....</b>	<b>31 hours</b>
Twenty hours approved biology, eight hours approved chemistry, and three hours approved math.	
<b>General Education Requirements .....</b>	<b>36 hours</b>
Standard General Education program, excluding course categories 13, 14, 15, 16, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Free Electives .....</b>	<b>15-23 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

## Associate Degree

### **CLINICAL LABORATORY TECHNOLOGY (A.S.)**

*CIP Code: 51.1004*

<b>Major Requirements .....</b>	<b>30 hours</b>
CLT 201, 202, 203, 204, 205, 206, 207, 208, and 209.	
<b>Supporting Course Requirements .....</b>	<b>23 hours</b>
BIO 121, 348 or 301/378, CHE 111, 112, CHS 105, CIS 212 or CSC 104, and MAT 107.	
<b>General Education Requirements .....</b>	<b>12 hours</b>
Three hours general education humanities, three hours social science, and six hours of English composition.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Total Curriculum Requirements .....</b>	<b>66 hours</b>

## Department of Environmental Health Science

### Chair

**Dr. D. B. Barnett**  
(859) 622-2191  
Disney 220

### Faculty

**D. Barnett, J. Beck, G. Brown, C. Harvey, W. Johnson, and  
S. Konkel**

The Environmental Health Science program offers the Bachelor of Science degree. Established in the early 1970's, the program is currently the state's only accredited program and one of only 24 such programs in the United States accredited by the National Environmental Health Science and Protection Council. The program includes extensive study of the physical, chemical and biological threats to human health and focuses on both engineered barriers and behavioral changes required for protecting and enhancing human health. The program includes general education and support courses in biology, chemistry, and mathematics, plus a variety of environmental health courses dealing with air quality, water quality, wastewater disposal and treatment, hazardous and solid waste management, risk assessment and epidemiology, industrial hygiene, control of disease vectors, food hygiene, radiological health, environmental health program planning and law, and toxicology. During upper division study, the student must complete six credit hours of supervised field experience with appropriate agencies, industries, consulting companies, etc. Also, cooperative education opportunities are available to all students who may wish to gain experience in addition to credit hours.

Eastern Kentucky University's Environmental Health Science graduates are qualified for positions with federal, state, and local government departments of environmental health, as well as public health protection agencies such as the United States Public Health Service, the Environmental Protection Agency, Food and Drug Administration, Department of Energy, and Occupational Safety and Health Administration. Graduates are also qualified for employment in private industry and environmental consulting firms. This work may include quality control, industrial hygiene and safety, loss control and risk assessment, or many other facets of environmental health consultation. The demand for qualified environmental health practitioners is currently high and exceeds the number of graduates from accredited programs and projected to increase over the next decade.

### **Progression Criteria**

A student majoring or minoring in environmental health science must achieve a grade of "C-"/2.0 or better in all EHS and supporting courses.

### **Baccalaureate Degree**

#### **ENVIRONMENTAL HEALTH SCIENCE (B.S.)**

*CIP Code: 15.0506*

#### **Major Requirements..... 43 hours**

EHS 280, 285, 300, 335, 340, 360, 370, 380, 410, 425, 440, 460, 463, and 485.

<b>Supporting Course Requirements .....</b>	<b>40-42 hours</b>
AGR 215, BIO 121, 301, 320; CHE 111, 112, 361, 366; ENG 300; HEA 450; MAT 107 or 109 or 261; and PHY 131.	
<b>General Education Requirements .....</b>	<b>37 hours</b>
Standard General Education program, excluding course categories 13, 14, 15, 16, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Free Electives .....</b>	<b>2-7 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

### **Minor**

#### **MINOR IN ENVIRONMENTAL HEALTH SCIENCE**

A student may minor in environmental health science by completing, with a grade of "C" or better, EHS 280, 300, 370, and an additional nine hours selected from EHS courses with advisor approval for a minimum of 19 hours.

## Department of Exercise and Sport Science

### Chair

**Dr. Lonnie Davis**  
(859) 622-1887  
Moherly 231

### Faculty

**H. Adams-Blair, B. Barton, T. Cahill, R. Crist, L. Davis,  
L. Debolt, R. Erdman, J. Ferguson, D. Landholm, J. Larkin,  
W. Johnson, M. McAdam, E. McMahon, G. Oliver,  
J. Rutherford, J. Stephens, and A. Wilcoxson**

The Department of Exercise and Sport Science offers the Bachelor of Sciences degrees in Athletic Training and Physical Education with four program options: General, Teaching P-12, Sport Management, and Physical Fitness/Wellness Management. The department also offers a Minor in Dance (non-teaching), a Minor in Physical Education (non-teaching), and a Coaching Endorsement (non-teaching).

Students who transfer from another college or university must earn a minimum of 12 hours at EKU in their major. Students who transfer from another college or university must earn a minimum of six hours at EKU in their minor.

### **Pre-Athletic Training**

Students who want to apply for admission to the professional program in Athletic Training should enroll as a pre-athletic training student within the Department of Exercise and Sport Science at the beginning of the freshman (or first) year at Eastern Kentucky University. Students may make formal application for admission to the Athletic Training major after successful completion of the pre-athletic training requirements.



Students are expected to complete the pre-athletic training program during the first three semesters on campus and formally apply for admission during the Fall semester of the sophomore year. Transfer students with 30 or more transferring credit hours (100 level or higher) who meet the admission requirements may apply to the Athletic Training major during their first Fall semester on campus. The number of admissions annually is limited and completion of the pre-athletic training requirements does not ensure acceptance into the Athletic Training major.

### Athletic Training

The Athletic Training Education Program (ATEP) at Eastern Kentucky University is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program utilizes a continuum of didactic and clinical experiences, as set forth in the CAAHEP Standards and Guidelines for the Athletic Trainer, to prepare the student as an entry-level Athletic Trainer. Upon successful completion of the program, the student will have the knowledge base and clinical skills required for challenging and passing the National Athletic Trainers' Association Board of Certification Examination and the certification examination administered by the Kentucky Board of Medical Licensure.

The professional phase of the Athletic Training Major consists of five semesters of academic course work and clinical practicum courses. Although the majority of the clinical practicum experiences will occur within the University's NCAA Division I-A (Football Division I-AA) athletics program, all students in the program will complete clinical practicum experiences at off campus sites during the junior and/or senior year(s). Students will be placed at available clinical sites with approved clinical instructors in Richmond, KY and surrounding areas. Transportation to all off campus clinical sites, as well as any specific requirements of the clinical site (e.g. immunizations) is the responsibility of the student. All students accepted into the professional program must show proof of current CPR certification and first aid and professional liability insurance annually. Students are encouraged to be involved in professional athletic training organizations at the local, state, and national level.

Curriculum requirements, including admissions requirements, may change. Students seeking admission or admitted to the program are advised to keep themselves adequately informed of changes in order to complete requirements in a timely manner. Information on curricular changes will be announced in advance by the Department, and will be published in Department publications. These may be obtained from the Department office.

### Admission Requirements and Procedures

Admission to the athletic training program at Eastern Kentucky University is competitive and should not be confused with admission to the University, College, or Department. The program requirements that must be met prior to application are as follows:

1. Must have earned a minimum of 30 semester hours (100 level or higher) of college credit before application.
2. Must have a minimum cumulative GPA of 2.5 on a 4.0 scale.
3. Successful completion (minimum grade of "C-") of the pre-athletic training program courses: ATR 200, BIO 171, 271, 301, 378, HEA 202 (and/or have current CPR and First Aid certification), and PHE 212.

4. Any developmental course requirements must have been completed at the time of application. For transfer students, any University developmental course requirements determined after admission must have been completed prior to admission into the Athletic Training Major.
5. Documentation of ability to successfully meet the Technical Standards of the Athletic Training Education Program and provide evidence of a completed Athletic Training Education Program physical examination.

Students are required to complete and submit the application form for the Athletic Training Education Program. Application forms can be obtained from the Department of Exercise and Sport Science or the College of Health Sciences.

### Progression and Retention in the Athletic Training Program

After admission to the Athletic Training Major students will be evaluated, both academically and clinically, each semester. Students must have satisfactory academic and clinical practicum evaluations (2.5 cumulative GPA, with a "C-" or better in all major and supporting courses) to progress to the subsequent level of the program. If evaluations are unsatisfactory, the student will be placed on probation and given one semester to bring up the evaluations to a satisfactory level. Two successive unsatisfactory semester evaluations will result in dismissal of the student from the program. Students must provide evidence of CPR and First Aid Certification annually while in the professional program.

## Baccalaureate Degrees

### ATHLETIC TRAINING (B.S.)

CIP Code: 51.0913

<b>Major Requirements .....</b>	<b>58 hours</b>
ATR 200, 202, 211, 212, 301, 302, 311, 312, 322, 401, 402, 411, 412, 421, PHE 212, 320, 325, and 407; current CPR and first aid certification at time of graduation.	
<b>Supporting Course Requirements .....</b>	<b>21 hours</b>
BIO 171, 271, 301, 378, CIS 212 or CSC 104, HEA 202, 450, and NFA 201.	
<b>General Education Requirements .....</b>	<b>40 hours</b>
Standard General Education Program, excluding course categories 03, 13, 15, and 16. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Free Electives .....</b>	<b>8 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

### PHYSICAL EDUCATION (B.S.)

CIP Code: 13.1314

<b>Major Requirements .....</b>	<b>41-46 hours</b>
<b>Core .....</b>	<b>25 hours</b>
PHE 125, 212, 224, 305, 315, 320, 325, 326, 575; PHE 241 or 242; current CPR certification at time of graduation; and each student must complete one of the following options:	

**Options ..... 17-21 hours****General (Non-Teaching) ..... 18 hours**

PHE 327, 365, 400, 415, 467, and four additional hours from the following skill courses: PHE 220, 242, 250, 300, 306, 340, 407, 435, 450.

**P-12 Teaching ..... 20 hours**

PHE 300, 310, 323, 365, 415, 467, 562.

**Physical Fitness and Wellness Management**

..... 18 hours

PHE 407, 433, 435, 472\*, and 562.

**Sport Management ..... 17 hours**

PHE 327, 400, 470\*, two hours coaching elective, and three additional hours from the following skill courses: PHE 220, 242, 250, 300, 306, 340, 365, 407, 435, 450.

**Supporting Course Requirements ..... 9-24 hours****All Options ..... 9 hours**

BIO 171 and 301; CIS 212 or CSC 104.

**General (Non-Teaching) ..... 2 hours**

HEA 202.

**Physical Fitness and Wellness Management**

..... 15 hours

NFA 201; current first aid certification at time of graduation. Select six hours from HEA 315, 598, HEA 380 or PSY 410. Select six hours from MGT 301, MKT 301, PUB 530.

**Sport Management ..... 11 hours**

HEA 202, REC 102, 406, and three hours from GBU 204, ACC 201, or PUB 530.

**Professional Education Requirements****(P-12 Teaching Option) ..... 31 hours**

EDF 103, 203, 319, ESE 566, EME 465, ELE 541, ESE 490, and EMS 499.

**General Education Requirements ..... 43 hours**

Standard General Education program, excluding course categories 03, 13, and 15. Refer to Section Four of this *Catalog* for details on the General Education and University Requirements.

**University Requirement ..... 1 hour**

HSO 100.

**Free Electives ..... 0-30 hours****Total Curriculum Requirements ..... 128-129 hours**

\*Students are required to document a minimum of fifty (50) hours of appropriately related experiences prior to enrolling in PHE 470//472.

**Minors****MINOR IN DANCE (NON-TEACHING)****Minor Requirements ..... 18 hours**

PHE 200, 250, 300, 345, 450, and eight hours physical education dance electives approved by department chair.

**MINOR IN PHYSICAL EDUCATION (NON-TEACHING)****Minor Requirements ..... 18 hours**

Six hours from PHE 125, 212, 315, 320, 325, 326, 467, 575; and six hours skill courses from the following: PHE 220, 224, 241, 242, 250, 300, 305, 306, 340, 345, 365, 407, 435, 450; six hours approved by the department chair.

**Endorsement****COACHING ENDORSEMENT**

Any student may complete the requirements for a coaching endorsement by possessing current CPR certification at time of graduation and by completing 12 hours of: PHE 212; 315 or 325; 383, 423, and two hours coaching electives.

**Department of  
Family and Consumer Sciences****Chair**

Dr. Diane Leggett

(859) 622-3445

Burrier 102

**Faculty**

D. Bush, C. Cecil, J. Gilbert, J. Haynes, J. Jensen, S. Kipp, D. Leggett, E. Scarberry, S. Sutton, M. Ware, S. Willis, M. Wilson, and K. Wright

The Department of Family and Consumer Sciences provides instructional programs, research, and service that prepares professionals to improve the quality of individual, family, and community life. The Department offers Bachelor of Science degrees in: Apparel Design and Merchandising; Child and Family Studies (with options in Child Development, Family Studies, or Interdisciplinary Early Childhood Education); Family and Consumer Sciences Education; and General Dietetics. The Department also offers Associate of Science degrees in Early Childhood Development and Nutrition Care Management. Minors are available in: Apparel Design and Merchandising, Child and Family Studies; Family and Consumer Sciences; Foodservice Administration; and Nutrition.

**Professional Liability Insurance**

Students enrolling in the following classes -- CDF 247, 344, 345, 349, 350, 351, 399, 443, 499, FCS 330B, 330C, 330D, 349, NFA 326, 349 in the Department of Family and Consumer Sciences, are charged a fee for student Professional Liability Insurance. This fee is listed in each semester's schedule of classes. Please see the section on Student Liability Insurance for the College of Health Sciences.

**Criminal Records**

Students are required to observe and/or interact with young children or school age children in a number of courses offered by the department. Therefore, students enrolled in these courses -- CDF 241, 244, 247, 344, 345, 350, 351, 399, 443, 499, 541, 544, 546, 547, ESE 499 -- must have a criminal record check and or child abuse neglect (CAN) check performed. Students with a criminal or CAN record may be required to drop the course and select another major.

Students following a first or second major, minor or associate degree must maintain a "C" average in departmental courses (ADM, CDF, FCS, FRM, NFA prefixes). Certain degree programs may have a higher GPA requirement.

**Transfer Students**

Students who transfer from other institutions must earn no fewer than six hours in the area or major at EKU, the exact minimum to be determined by consultation of the advisor, department chair, and dean. At least three hours of the minor must be earned at EKU.

**Accreditations**

The Department of Family and Consumer Sciences has several accreditations. The Burrier Child Development Center is accredited by the National Association for the Education of Young Children. The B.S. degree in Dietetics is accredited by the Council on Accreditation for Dietetics Education of the American Dietetics Association. The dietetic internship offered as part of the M.S. degree in Community Nutrition is accredited by the Council on Accreditation for Dietetics Education of the American Dietetics Association.

**Baccalaureate Degrees****APPAREL DESIGN AND MERCHANDISING (B.S.)****AREA MAJOR***CIP Code: 52.1902*

**Major Requirements ..... 50 hours**  
ADM 102, 119, 201, 210, 300, 302, 310, 313, 349(2)\*\* or FCS 330A(2)\*\*; 413, ADM 414 (6), CDF 132, FCS 400, FRM 352, ADM 319 and 339 or ADM 312 and 412.

**Supporting Course Requirements ..... 13 hours**  
CHE 101, ECO 230, MGT 301 and MKT 301 or THE 220 and 320.

**General Education Requirements ..... 46 hours**  
Standard General Education program, excluding course categories 09 and 14. Refer to Section Four of this *Catalog* for details on the General Education and University Requirements.

**University Requirement ..... 1 hour**  
HSO 100.

**Free Electives ..... 18 hours**  
**Total Curriculum Requirements ..... 128 hours**

\*\*ADM 349/FCS 330A—two hours at sophomore level.

**CHILD AND FAMILY STUDIES (B.S.) AREA MAJOR***CIP Code: 19.0701*

**Major Requirements ..... 39-54 hours**  
**Core ..... 30 hours**  
CDF 132, 241, 244, 247, 345, FCS 400, NFA 317, NSC 500, OTS 515, and SWK 456.

**Options ..... 9-24 hours**  
**Child Development ..... 24 hours**  
CDF 248, 344, 346, 350 (6), 547, 548.

**Family Studies ..... 21 hours**  
CDF 232 or 331; 243, 342, 441; 443 (6), 538.

**Interdisciplinary Early Childhood ..... 9 hours**  
CDF 248, 344, 399.

**Minor Requirements ..... 18 hours**

**Interdisciplinary Early Childhood Education ..... 18 hours**  
(Minor in Special Education)  
SED 104, 341, 352, 360, 436, 518.

**Supporting Course Requirements ..... 3-9 hours**  
**Child Development ..... 9 hours**  
CSC 104 or CIS 212, SED 104, 518.

**Family Studies ..... 6 hours**  
FRM 352, CSC 104 or CIS 212.

**Interdisciplinary Early Childhood ..... 3 hours**  
CSC 104 or CIS 212.

**Professional Education Requirements ..... 19 hours**

**Interdisciplinary Early Childhood Option only**  
EDF 103, 203, ELE 519 and CDF 499(12). (Students must follow admission requirements for professional education. See College of Education, section regarding teacher admission and certification.) (EDF 319 met with major; EDF 413 met with SED 352; SED 401 met with special education minor.)

**General Education Requirements ..... 49 hours**  
Standard General Education Program, excluding course category 03. Refer to Section Four of this *Catalog* for details on the General Education and University Requirements.

**University Requirement ..... 1 hour**  
HSO 100.

**Free Electives ..... 0-21 hours**

**Total Curriculum Requirements ..... 128-129 hours**

**FAMILY AND CONSUMER SCIENCES  
EDUCATION (TEACHING) (B.S.)***CIP Code: 13.1308*

**Major Requirements ..... 45 hours**  
CDF 132, 244; CDF 241, 331, 342 or 345; FCS 400, FRM 352, 453, DES 121, FCS 320, NFA 121, 201, 321, ADM 102, 201; and 3 hrs. in ADM; and 3 hrs. Family and Consumer Sciences Electives.

**Supporting Course Requirements ..... 8 hours**  
BJO 301, 378, CHE 105.

**Professional Education Requirements ..... 32 hours**  
EDF 103<sup>1</sup>, 203<sup>3</sup>, 319<sup>3</sup>, 413<sup>3</sup>; ESE 490, 499, and 553<sup>4</sup>; SED 401. (Students must follow admission requirements for professional education. See College of Education, section regarding teacher admission and certification.)

**General Education Requirements ..... 46 hours**  
Standard General Education program, excluding course categories 13 and 14. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**  
HSO 100.

**Total Curriculum Requirements ..... 132 hours**

Successful completion of the PRAXIS Examination is required for graduation.



## GENERAL DIETETICS PROGRAM

A 2+2 program in dietetics provides continuity so that a student completing the two-year program may continue into the four-year program, provided the student meets academic requirements. Students in the dietetic programs (two- and four-year) take the same courses during the first two years. The general dietetic program is an American Dietetic Association accredited program and features early exposure to professional dietetic courses. To be granted a degree in the General Dietetics Program the student must: (1) have no grade in NFA courses less than a "C-;" (2) have a minimum overall grade point average of 2.5 on a 4.0 scale.

### GENERAL DIETETICS (2+2) (B.S.) AREA MAJOR

*CIP Code: 19.0501*

<b>Major Requirements</b> .....	<b>59-60 hours</b>
CDF 132, FCS 303, 400, FRM 352, NFA 121, 201, 202; NFA 301 or CHE 330; NFA 302, 317, 321, 323, 325, 326, 344; NFA 349 (1) or FCS 330D(1); NFA 401, 402, 403, 411, 412, 415(2), 445.	
<b>Supporting Course Requirements</b> .....	<b>27 hours</b>
BIO 273, 301; CHE 101, 102; HEA 450 or STA 215; CIS 212 or CSC 104; ACC 201 or 550; PSY 200.	
<b>General Education Requirements</b> .....	<b>37 hours</b>
Standard General Education program, excluding course categories 04, 13, 14, 15, and 16. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
<b>University Requirement</b> .....	<b>1 hour</b>
HSO 100.	
<b>Free Electives</b> .....	<b>3-4 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>128 hours</b>

To be granted a degree in the General Dietetics Program the student must: (1) have no grade in NFA courses less than a "C-," (2) have a minimum overall grade point average of 2.50 on a 4.0 scale.

### Associate Degree

#### EARLY CHILDHOOD DEVELOPMENT (A.S.)

*CIP Code: 19.0709*

<b>Major Requirements</b> .....	<b>33 hours</b>
CDF 132, 241, 244, 247, 248, 344, 345, and 350, NFA 317.	
<b>Supporting Course Requirements</b> .....	<b>9 hours</b>
BIO 300 or 317; CSC 104 or CIS 212; SED 104.	
<b>General Education Requirements</b> .....	<b>18 hours</b>
SPE 100, six hours of English composition, six hours of general education social science, (three hours from course categories 09 and three hours from 10 or 11), and three hours general education humanities.	
<b>University Requirement</b> .....	<b>1 hour</b>
HSO 100.	
<b>Free Electives</b> .....	<b>3 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>64 hours</b>

## NUTRITION CARE MANAGEMENT PROGRAM

Nutrition Care Management is an Associate of Science degree. The curriculum integrates components of nutrition care, preparing graduates to work under the supervision of registered dietitians. Students enrolled in Nutrition Care Management must have no grade in a NFA course less than a "C-."

### NUTRITION CARE MANAGEMENT (A.S.)

*CIP Code: 51.3104*

<b>Major Requirements</b> .....	<b>30 hours</b>
CDF 132; FCS 303, NFA 121, 201, 202, 302, 317, 321, 325, 326, 344, and 349 (1) or FCS 330D (1).	
<b>Supporting Course Requirements</b> .....	<b>31 hours</b>
BIO 301*, CHE 101*, 102*, six hours of English composition*, three hours general education humanities; three hours of general education social science, CIS 212 or CSC 104; HEA 281, PSY 200.	
<b>University Requirement</b> .....	<b>1 hour</b>
HSO 100.	
<b>Free Electives</b> .....	<b>2 hours</b>
<b>Total Curriculum Requirements</b> .....	<b>64 hours</b>

\*Courses meeting general education requirements.

### Minors

#### MINOR IN CHILD AND FAMILY STUDIES

<b>Minor Requirements</b> .....	<b>18 hours</b>
CDF 132; six hours selected from CDF 241, 244 or 342; CDF 247; and six hours CDF electives.	

#### MINOR IN DESIGN AND MERCHANDISING

<b>Minor Requirements</b> .....	<b>18 hours</b>
ADM 201, 310, 313, and 9 hours approved ADM electives.	

#### MINOR IN FAMILY AND CONSUMER SCIENCES

<b>Minor Requirements</b> .....	<b>18 hours</b>
ADM 102, CDF 132, 244, DES 121, FRM 352, NFA 121 or 201.	

#### MINOR IN FOODSERVICE ADMINISTRATION

<b>Minor Requirements</b> .....	<b>18 hours</b>
NFA 121, 201, and 12 hours selected from NFA 321, 323, 325, 326, 344, or 445.	

#### MINOR IN NUTRITION

<b>Minor Requirements</b> .....	<b>18 hours</b>
NFA 121, 201, and 12 hours selected from NFA 301, 302, 317, 401, 402, 403, 411, 412, 505, 507, or 509.	

## Department of Health Promotion and Administration

**Chair**  
**Dr. Michael Ballard**  
(859) 622-1142  
Begley 420

### Faculty

C. Andersen, M. Ballard, J. Brown, T. Cahill, D. Calitri,  
K. Camarata, L. Hart, J. Hecht, F. Hindsman, D. Holcomb,  
D. Jackson, R. Newsome, J. Renfro, J. Revere, V. Sanchez,  
J. Tanara, and M. Thompson

The Department of Health Promotion and Administration is comprised of programs in: Ancillary Health Management, Health Care Administration, Health Education, Health Information, Medical Assisting Technology and Medical Practice Management. Admission to all programs is based on the regular admission policies of the University. Specific policies related to each discipline can be found following the program heading as listed.

### HEALTH EDUCATION

Health Education offers the Bachelor of Science degree in Health Education with three program options: Community Health, School Health P-12 (Teaching), and Wellness. Students who complete Community Health option are prepared to determine the health needs of the community, plan and implement effective programs to improve the health of the populations they serve. Community Health Educators may work in the Public Health Departments, Volunteer Organizations, Hospitals, and Family Resource Centers. Students in the School Health Option are prepared to teach core content health topics in public school system grades P-12 and a variety of health related agencies. Students in the Wellness option are prepared to facilitate behavior change by developing and implementing wellness and fitness programs in worksite health promotion organizations. A student may choose a minor in Community Health (non-teaching) or in School Health P-12 (Teaching). The Bachelor of Science program in Health Education has met national standards for accreditation from the Society of Public Health Educators, American Association for Health Education, National Council for the Accreditation of Teacher Education, and Kentucky Department of Education.

Students who transfer from another college or university must earn a minimum of 12 hours at ECU in the major. Students who transfer from another college or university must earn a minimum of six hours at ECU in the minor.

### Baccalaureate Degree

#### HEALTH EDUCATION (B.S.)

*CIP Code: 51.1504*

**Major Requirements..... 36-46 hours**  
**Community Health Core ..... 30 hours**  
HEA 202, 203, 290, 315; 345 or 594; 375 or 592; 380,  
450, 455, 580, 598.  
Majors must select an option in School Health, P-12  
(Teaching) or Wellness or take the following:

**Community Health Courses..... 16 hours**  
HEA 360, 416, 420, 463\*; select three hours from HEA  
498, 590, 591, 593, 595, 599, or SOC 353.  
**School Health, P-12 (Teaching) ..... 6 hours**  
EME 586 and three hours from HEA 390, 391, 498, 590,  
593, 595, or 599.  
**Wellness ..... 15 hours**  
HEA 360, 463; PHE 325, 433.  
**Supporting Course Requirements ..... 10-24 hours**  
**All Options ..... 9 hours**  
BIO 171, 301, and NFA 201.  
**School Health, P-12 (Teaching) ..... 1 hour**  
BIO 378.  
**Wellness ..... 15 hours**  
PHE 312, 315, 320; REC 411, 460.

#### Professional Education Requirements

**School Health Option ..... 31 hours**  
EDF 103, 203, 319, 413, EMS 499, ESE 490, 587, and  
SED 401.

#### General Education Requirements ..... 45 hours

Standard General Education program, excluding course  
categories 13 and 15. Refer to Section Four of this *Catalog*  
for details on the General Education and University  
Requirements.

**University Requirement ..... 1 hour**  
HSO 100.

#### Free Electives ..... 5-27 hours

**Community Health ..... 27 hours**  
(13 of these elective hours are restricted to course work  
outside of the major and the option.)

**School Health, P-12 (Teaching) ..... 5 hours**

**Wellness ..... 13 hours**  
(All hours restricted to course work outside of the major  
and the option.)

#### Total Curriculum Requirements ..... 128 hours

\*Bachelor of Science degree students in the Community Health and Wellness Options are required to document a minimum of 100 hours of health education/wellness related experiences prior to enrolling in HEA 463, Internship in Health Promotion and Administration.

### Minors

#### MINOR IN COMMUNITY HEALTH EDUCATION (NON-TEACHING)

**Minor Requirements ..... 24 hours**  
HEA 290, 360, 416, 450, 455, 580, 598, and three hours from  
HEA 202, 203; 315, 345 or 594; 380; 375 or 592; or NFA 201.

#### MINOR IN SCHOOL HEALTH, P-12 (TEACHING)

**Minor Requirements ..... 23 hours**  
HEA 202, 290, 315; 345 or 594; 375 or 592; NFA 201, EME  
586, and three hours from HEA 203, 380, 390, 391, 455, 580,  
590, 593, or 595.

**Certificate****CERTIFIED ALCOHOL AND DRUG COUNSELOR (CADC)**

To become a Certified Alcohol and Drug Counselor (CADC), applicants must meet certain requirements for supervised experience in chemical dependency counseling, education, training, and supervised practicum experiences. Also, applicants must pass a written exam, an oral interview, and a case presentation and fulfill designated application procedures. Students can attain training and clinical supervision/practicum/on-the-job training by completing the following courses:

HEA 594	Drug Abuse and Dependency (3)
HEA 595	Alcohol Abuse and Dependency (3)
HEA 596	Approaches to Alcohol and Drug Treatment I (3)
HEA 597	Approaches to Alcohol and Drug Treatment II (3)
HEA 463	Internship and Health Promotion and Administration (1-6)

See the Chair of the Department of Health Promotion and Administration for more complete information on the application and requirements for the Certified Alcohol and Drug Counselor.

**HEALTH INFORMATION**

The department offers an associate degree program in Health Information Technology, a minor in Health Information, a Health Information Coding Certificate, and a Post-baccalaureate Certificate in Health Information Management.

Also offered is a baccalaureate degree in Health Services Administration with an option in Health Information Management. (See Health Services Administration)

**Admission/Progression Criteria**

All majors utilize the regular admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program and to enroll in major courses, the student must meet the following criteria: (1) maintain an overall (cumulative) GPA of 2.5 on a 4.0 scale and (2) complete all major and support courses with a minimum grade of "C" after a maximum of two attempts.

A student who is not allowed to continue in the major may appeal the decision by presenting the reasons in writing to the Chairman of the Department's Admissions and Progression Committee. The student may appeal this committee's decision to the College Admissions Committee by submitting a written request to the Dean of the College of Health Sciences. The decision of this committee shall be final.

**Professional Practice Experience**

An important part of the curriculum is professional practice experience in which the student is required to spend part of a semester at a hospital or other health care facility for observation and supervised practice of the skills required for entry into the profession.

The University assumes full responsibility for making assignments to the professional practice sites based on predetermined criteria. Some sites may require health screening such as physical examinations and/or proof of immunizations. The student is responsible for these medical expenses and for living expenses and travel involved in relocation for these assignments.

**Associate Degree****HEALTH INFORMATION TECHNOLOGY (A.S.)**

*CIP Code: 51.0707*

<b>Major Requirements .....</b>	<b>41 hours</b>
CHS 100, 200, HCA 372, HNF 202, 203, 305, 306, 308, 310, 311, 312, 314, and 332.	
<b>Supporting Course Requirements .....</b>	<b>12 hours</b>
BIO 171, 301, CIS 212 or CSC 104, and MAT 105 or 107.	
<b>General Education Requirements .....</b>	<b>13 hours</b>
HPR 180, 282, three hours general education humanities, three hours general education social science, and six hours of English composition.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Total Curriculum Requirements .....</b>	<b>68 hours</b>

**Minor****MINOR IN HEALTH INFORMATION**

Designed for the non Health Information Management major who wishes to have the unique opportunity to be involved with multifaceted health information management challenges. A student may minor in Health Information by completing, with a grade of "C-" or better, CHS 100, HNF 370, 401, 406, and an additional nine hours selected from CHS, HCA, and HNF courses with departmental approval for a minimum of 21 hours.

**Certificates****HEALTH INFORMATION CODING CERTIFICATE**

<b>Major Requirements .....</b>	<b>16 hours</b>
CHS 200, HNF 203, 305, 306, and 314.	
<b>Supporting Course Requirements .....</b>	<b>6 hours</b>
BIO 171 and 301.	
<b>Total Curriculum Requirements .....</b>	<b>22 hours</b>

**POST-BACCALAUREATE CERTIFICATE  
HEALTH INFORMATION MANAGEMENT**

*CIP Code: 51.0706*

Students who have earned a baccalaureate degree and have taken the following courses may be eligible for enrollment for a post-baccalaureate certificate of completion: anatomy and physiology with lab, medical terminology, basic management, basic statistics, and an introductory computer course.

<b>Major Requirements .....</b>	<b>50 hours</b>
CHS 100, HCA 372, HNF 203, 305, 306, 308, 314, 316, 370, 401, 405, 406, 407, 409, 410, and 412.	
<b>Supporting Course Requirements .....</b>	<b>6 hours</b>
CMS 300, 406.	
<b>Total Curriculum Requirements .....</b>	<b>56 hours</b>



**HEALTH SERVICES ADMINISTRATION**

The department offers a baccalaureate degree in Health Services Administration with options in Ancillary Health Management, Health Care Administration, and Health Information Management.

**Ancillary Health Management Option**

This degree progression option gives individuals with an associate degree in a health-related field the opportunity to obtain the management skills needed to become a healthcare supervisor or manager.

**Health Care Administration Option**

This option gives individuals interested in the administrative aspects of healthcare an interdisciplinary curriculum designed to provide a balance between both business and health sciences.

**Health Information Management Option**

This option offers a unique opportunity to combine an interest in medicine with multifaceted information management challenges. In addition to hospitals, expanding job opportunities have opened positions in ambulatory care, long term care, and mental health facilities; industrial clinics; state and federal health agencies; insurance and accounting firms; colleges and universities; and other areas. Upon completion of this option, one is eligible to take the RHIA exam.

**Admission/Progression Criteria**

(See Health Information)

**Professional Practice Experience**

(See Health Information)

**Baccalaureate Degree****HEALTH SERVICES ADMINISTRATION (B.S.)**

*CIP Code: 51.0706*

<b>Major Requirements .....</b>	<b>40-53 hours</b>
<b>Core .....</b>	<b>24 hours</b>
CHS 100, 200, HCA 372, HNF 370, 401, 405, 406, 409.	
<b>Options</b>	
<b>Ancillary Health Management .....</b>	<b>16 hours</b>
Students must select additional courses at the 300 or greater level from CHS, HCA, HEA, HNF, MAS, or MPM.	
<b>Health Care Administration .....</b>	<b>18 hours</b>
CHS 250; HEA 416, 455, 463; HCA 375.	
<b>Health Information Management .....</b>	<b>29 hours</b>
HNF 203, 305, 306, 308, 314, 316, 407, 410, 412.	
<b>Supporting Course Requirements .....</b>	<b>30-45 hours</b>
<b>All Options .....</b>	<b>30 hours</b>
BIO 171, 301; CIS 212, 230; CMS 100, 300; MAT 105 or 107; MGT 301, 320; STA 215 or 270.	
<b>Ancillary Health Management .....</b>	<b>0 hours</b>
No additional hours required beyond those required by all options.	
<b>Health Care Administration .....</b>	<b>15 hours</b>
ACC 201, 202; ECO 230, 370; MKT 301.	
<b>Health Information Management .....</b>	<b>11 hours</b>
BIO 273; CHE 105; CMS 406.	

<b>General Education Requirements .....</b>	<b>28-35 hours</b>
<b>Ancillary Health Management .....</b>	<b>34 hours</b>
Standard General Education program, excluding course categories 03, 04, 13, 15, 20, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Health Care Administration .....</b>	<b>31 hours</b>
Standard General Education program, excluding course categories 03, 04, 09, 13, 15, 20, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
<b>Health Information Management .....</b>	<b>28 hours</b>
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16, 20, and 21. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Free Electives .....</b>	<b>5-23 hours</b>
<b>Ancillary Health Management .....</b>	<b>23 hours</b>
<b>Health Care Administration .....</b>	<b>9 hours</b>
<b>Health Information Management .....</b>	<b>5 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

NOTE: Student must achieve a grade "C" or better in all Core & Option courses and a grade of "C-" or better in all Support courses.

**Minor****Minor in Health Care Administration**

<b>Minor Requirements .....</b>	<b>18 hours</b>
HCA 372, 375, MGT 301, and nine hours selected from HEA 416, 455; HNF 370, 401, 405, 406, or 409.	

**Minor in Health Information**

(See Health Information)

**MEDICAL ASSISTING PRACTICE**

The Medical Assisting Practice program considers students for admission in both the fall and spring semesters. Admission is contingent upon enrollment in Eastern Kentucky University and the College of Health Sciences.

The associate degree program in Medical Assisting Technology prepares individuals to work in administrative and clinical areas of the ambulatory health care setting. Upon completion of the program, graduates are eligible to take the AAMA CMA Certification/Recertification examination administered by the American Association of Medical Assistants in conjunction with the National Board of Medical Examiners.

The baccalaureate degree program in Medical Practice Management is available to students who have completed an associate degree in Medical Assisting Technology. As a medical practice management major, students acquire the skills necessary to administer ambulatory healthcare facilities by improving efficiency and assuring the quality of services provided.

**Certificates**

Students completing the requirements for the medical administrative certificate will be awarded a certificate of completion by EKU. This should not be confused with state certification or licensure.

**Baccalaureate Degree****MEDICAL PRACTICE MANAGEMENT (B.S.)**

*CIP Code: 51.0705*

<b>Major Requirements .....</b>	<b>46 hours</b>
MAS 100, 221, 222, 320, 321, 322, 355, 360, 390, MPM 410, 450, 460, 480.	
<b>Supporting Course Requirements .....</b>	<b>40 hours</b>
ACC 201, 202, BIO 171, 301, CCT 201, CHE 105, CHS 200, 201, CIS 212 or CSC 104, ECO 230, EMC 102, MGT 301, 320.	
<b>General Education Requirements .....</b>	<b>37 hours</b>
Standard General Education program excluding course categories 03, 09, 13, 14, 15. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Free Electives .....</b>	<b>4 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Associate Degree****MEDICAL ASSISTING TECHNOLOGY (A.S.)**

*CIP Code: 51.0801*

<b>Major Requirements .....</b>	<b>34 hours</b>
MAS 100, 221, 222, 321, 322, 355, 360, 390, 320.	
<b>Supporting Course Requirements .....</b>	<b>15 hours</b>
CCT 201, CHS 200, 201, CIS 212 or CSC 104, EMC 102 or HEA 202 and 203.	
<b>General Education Requirements .....</b>	<b>19 hours</b>
BIO 171, 301, HPR 180 or 282, three hours general education humanities, three hours general education social science, and six hours of English composition	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Total Curriculum Requirements .....</b>	<b>69 hours</b>
<b>OPTIONAL AREAS OF EMPHASIS:</b>	
<b>Course for Pediatrics:</b>	
CDF 241 Prenatal and Infant Development .....	3
CDF 343 Child and Adolescent Development .....	3
MAS 300 Maternal-Child Health Care .....	1
<b>Course for Obstetrics/Gynecology:</b>	
CDF 241 Prenatal and Infant Development .....	3
MAS 300 Maternal-Child Health Care .....	1
<b>TOTAL HOURS WITH AN EMPHASIS .....</b>	<b>73-76</b>

**Certificate****MEDICAL ADMINISTRATIVE CERTIFICATE PROGRAM**

<b>Major Requirements .....</b>	<b>10 hours</b>
MAS 100, 355, 360.	
<b>Supporting Requirements .....</b>	<b>9 hours</b>
CHS 200, 201; CIS 212.	
<b>Total Curriculum Requirements .....</b>	<b>19 hours</b>

**Department of  
Occupational Therapy****Chair**

**Dr. Onda Bennett**  
(859) 622-3300  
Dizney 103

**Faculty**

**K. Allen, J. Anderson, O. Bennett, A. Blakeney,  
A. Cunningham, B. Cunningham, L. Emery, E. Fehringer,  
R. Huebner, J. Kalscheur, D. Marken, S. O'Brien, D. Pierce,  
G. St. Michel, C. Schneck, S. Shasby, A. Shordike,  
K. Splinter-Watkins, K. Tuminski, J. Westfall, and C. Wright**

The Department of Occupational Therapy provides a continuum of educational experiences that prepare a student for a career as an occupational therapist or as a non-credentialed health and human service professional. In 2007, entry to the profession of occupational therapy will be at the post-baccalaureate level. EKU offers an entry-level Master's degree in occupational therapy. Students can enter this program through two routes. Undergraduate students can enter the Occupational Science program, receive a Bachelor of Science degree, and apply for graduate admission to the Occupational Therapy program. Individuals with a baccalaureate degree in another field who complete the prerequisite courses can enter the summer transition program and progress to the graduate program in Occupational Therapy. After completing the Master of Science degree in Occupational Therapy, students are eligible to take the national certification examination and apply for state licensure, if indicated.

EKU also offers advanced degrees at the Master or Doctoral level for occupational therapists who wish to further their education. For additional information on the Master of Science and/or Doctoral programs, see the Graduate Catalog.

The Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). It is located at 4720 Montgomery Lane, Bethesda, MD 20814 and can be reached at (301) 652-2682 or [www.aota.org](http://www.aota.org). Certification for the occupational therapy profession is provided through the National Board for Certification in Occupational Therapy (NBCOT). NBCOT is located at 800 S Frederick Ave., Suite 200, Gaithersburg, MD 20877 and can be reached at [www.nbcot.org](http://www.nbcot.org).

**Baccalaureate Degree in Occupational Science (BS)**

Occupational science is the study of human occupation - how we occupy our time through pleasurable, productive and restorative activities. Occupational science is an evolving social science that studies and generates information about daily activities that occupy our time, activity patterns, habits, and use of occupations to meet personal needs. The core of the baccalaureate program is occupation with flexibility for students to develop other areas of interest. Electives are available in many areas, including psychology, child and family studies, biology, community health, gerontology, and business. While many graduates of the Occupational Science program will apply for entry into the Occupational Therapy Master's program, some may choose other graduate education options or gain employment in non-credentialed health care, education or community positions. These careers may include case manager, independent living skills coordinator, activity coordinator, medical sales representative, senior citizen program coordinator, mental health associate, and job coach for persons with developmental disabilities.

The core theme of the occupational science curriculum is occupation, and it is interwoven with four additional themes: reasoning, diversity, communication, and professional identity. Students progress through the curriculum in three learning cycles. Each cycle incorporates key curriculum elements including concepts and knowledge, active community learning experiences, integrative seminars, and authentic assessment and portfolio development. A value inherent in the curriculum model is that learning is optimal when educators guide student immersion in personally meaningful challenges that are processed in a supportive environment.

**Progression and Retention in the Program**

In order for students to follow the established progression of the program sequence they must:

- Receive a 2.0 or better in all OTS and support courses.
- Maintain an overall GPA of 2.0. (To progress to the Master's program in Occupational Therapy a student must have a 3.0 GPA in the last 60 credits in the baccalaureate program).
- Successfully complete all Pre-cycle course work before enrolling in Cycle 1 course work. In addition, students must successfully complete Cycle 1 coursework before enrolling in Cycle II course work.

**Admission is limited to space available.**

**Appeals**

Students may petition for a waiver of any regulations. Appeals regarding waiver of a regulation should be addressed to the Admissions and Progression Committee. Appeal of grade should be addressed to the Academic Practices Committee. See the University Student Handbook for details of the appeal procedures.

**Baccalaureate Degree****OCCUPATIONAL SCIENCE (B.S.)**

**Department of Occupational Therapy**

*CIP Code: 51.2306*

<b>Major Requirements .....</b>	<b>48 hours</b>
OTS 101, 201, (or 203), 301, 302, 311, 312, 313, 335, 362, 401, 402, 421, 422, 430, 432, 478.	
<b>Supporting Course Requirements .....</b>	<b>21 hours</b>
BIO 171, BIO 301, BIO 271, BIO 371, PSY 200, ENG 300, STA 215.	
<b>General Education Requirements .....</b>	<b>41 hours</b>
Standard General Education Program, excluding course categories 03, 13, 15, and 16. Refer to Section Four of the <i>Catalog</i> for details on the General Education and University requirements.	
<b>Free Electives .....</b>	<b>17 hours</b>
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

## Department of Recreation and Park Administration

**Acting Chair**

**Dr. Charlie Everett**

**(859) 622-1833**

**Begley 403**

**Faculty**

**L. Belknap, C. Everett, M. Gerken, S. Jones, and J. McChesney**

The Department of Recreation and Park Administration offers the Bachelor of Science degree in Recreation and Park Administration with four options: Tourism & Resort Recreation, Natural Resources & Outdoor Recreation, Public/Non-Profit Recreation Services, and Therapeutic Recreation. The department also offers a minor in Recreation and Park Administration.

Students who transfer from another college or university must earn a minimum of 12 hours at ECU in their major. Students who transfer from another college or university must earn a minimum of six hours at ECU in their minor.

Graduates of the Tourism & Resort Recreation option find career opportunities in local, state, federal and private agencies that promote tourism, travel agencies, convention services, resort supervision and management, cruise lines, amusement and theme parks, as well as other commercial recreation agencies.

Graduates of the Natural Resources & Outdoor Recreation option offers a wide variety of career opportunities such as park ranger, interpretive naturalist, camp director, recreation forester, fish and wildlife positions, and youth and adult outdoor recreation programming positions.

Graduates of the Public/Non-Profit Recreation Services option find professional careers available in local, state, county and federal agencies, park management, golf course management, recreation supervision, aquatics, cultural arts programming, athletic programming, YMCA and YWCA, Boy Scouts and Girl Scouts, 4-H, and various other private and public agencies providing park, recreation and leisure services.



Graduates of the Therapeutic Recreation option find one of the fastest growing areas in the field of recreation and leisure services. Professionals in TR design programs to meet the needs of special populations, people with physical or developmental disabilities, and people with temporary or permanent psychiatric disorders. TR professionals work in children's hospitals, mental health institutions and psychiatric hospitals, rehabilitation clinics, nursing homes, medical care facilities, transitional living facilities, group homes, camps, community-based programs, and community residential agencies.

The BS degree in Recreation and Park Administration provides 15 credit hours of direct hands-on field experience. The senior practicum (12 credit hours) serves as an excellent transition from school to work, and many students are hired directly out of their practicum.

Students majoring or minoring in Recreation and Park Administration are required to attain a minimum grade of "C" in all REC courses and a 2.5 or better average in all REC courses. All REC core and REC option courses must be completed prior to enrollment in REC 463, Senior Practicum.

## **Baccalaureate Degree**

### **RECREATION AND PARK ADMINISTRATION (B.S.)**

*CIP Code: 31.0301*

<b>Major Requirements .....</b>	<b>52-54 hours</b>
<b>Core .....</b>	<b>37 hours</b>
REC 101, 102, 163, 200, 263, 311, 350, 410, 450, 460, and 463; current first aid CPR certification at time of graduation, and one of the following options:	
<b>Options .....</b>	<b>15-17 hours</b>
<b>Natural Resources &amp; Outdoor Recreation .....</b>	<b>16 hours</b>
REC 190, 290, 380, 406, 516, 530.	
<b>Public/Non-Profit Recreation Services .....</b>	<b>16 hours</b>
REC 190, 280, 406, 530, and six hours from the following courses: POL 331, 332, 333, 377 or COM 390.	
<b>Therapeutic Recreation .....</b>	<b>17 hours</b>
REC 190, 411, 511, 512; CHS 105; BIO 171 and 301.	
<b>Tourism &amp; Resort Recreation .....</b>	<b>15 hours</b>
REC 280, 380, 480; GEO 305; EHS 230.	
<b>Supporting Course Requirements .....</b>	<b>6-9 hours</b>
<b>All Options .....</b>	<b>6 hours</b>
ENG 300 or CMS 210; COM 320A plus two hours from the following courses: COM 320B, COM 320D, COM 320E, COM 320F, COM 320G, or COM 320H.	
<b>Therapeutic Recreation Option .....</b>	<b>9 hours</b>
PSY 200, 280, 308.	
<b>General Education Requirements .....</b>	<b>39 or 43 hours</b>
Standard General Education Program, possibly excluding 03 or 04 for all options if CMS 210 is selected under supporting course requirements; and course categories 13 and 15 for the Therapeutic Recreation option. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
HSO 100.	

<b>Free Electives .....</b>	<b>15-24* hours</b>
<b>Natural Resources &amp; Outdoor Recreation ..</b>	<b>19-23* hours</b>
<b>Public/Non-Profit Recreation Services .....</b>	<b>19-23* hours</b>
<b>Therapeutic Recreation .....</b>	<b>15-19* hours</b>
<b>Tourism &amp; Resort Recreation .....</b>	<b>20-24* hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\*If CMS 210 is used to satisfy both Supporting and Gen Ed requirement.

## **Minor**

### **MINOR IN RECREATION AND PARK ADMINISTRATION (NON-TEACHING)**

<b>Minor Requirements .....</b>	<b>19 hours</b>
REC 101, 102, 200, 460, and nine additional hours from REC 190, 280, 290, 311, 350, 409, 410, 411, 480, 490, 511, 516, or 530.	

# College of Justice and Safety

Dr. Allen L. Ault, Dean  
Stratton 354  
(859) 622-3565  
[www.justice.eku.edu](http://www.justice.eku.edu)

The College of Justice and Safety at Eastern Kentucky University is one of the largest of its type in the United States and is one of the five colleges that comprise the academic structure of the University. Within the College are the Departments of Correctional and Juvenile Justice Studies, Loss Prevention and Safety, and Criminal Justice and Police Studies. The College of Justice and Safety exists in response to a changing, dynamic society which demands qualified professional, well educated personnel. The College endeavors to meet this demand within the threefold purpose of the University—teaching, research, and service.

Certificate, associate, baccalaureate, and master's degree programs are offered by the College of Justice and Safety.

The College is committed to a career ladder concept by providing opportunities for students enrolled in or completing associate (two-year) degree programs to transfer to a corresponding baccalaureate (four-year) program within the same department with little or no loss of credit.

All departments in the College are housed in the Stratton Building, an outstanding and unique facility which is part of the Robert R. Martin Law Enforcement, Fire Science, and Traffic Safety Center. The building includes a 354-seat auditorium, two physical conditioning areas, a cafeteria, the Justice and Safety Library with over 23,457 holdings, and a training tank for underwater rescue and recovery training. The Center also features a seven-acre driving range and a 5.7 acre lake for aquatic safety, underwater rescue, and salvage training.

## ADMISSION TO THE COLLEGE

Students seeking admission to the College of Justice and Safety must meet general University requirements and should indicate their intention to major in a program of the College.

After being admitted to the College, a student will be assigned a faculty advisor who will assist in selecting the proper courses leading to the desired degree.

## DEGREE REQUIREMENTS

General University requirements begin in Part Four of this *Catalog*, as well as specific course requirements set forth in the description of curricula, and must be met by students completing associate and baccalaureate programs administered by the College of Justice and Safety. All programs in the College of Justice and Safety require a grade of "C" or better for all required major and supporting courses. See the program descriptions under each department for specific major and minor requirements. Common to all programs is the Academic Orientation course.

## MAJOR AND MINOR CREDIT MINIMUM

Regardless of the advanced standing under which the student may have been admitted, or what credits have transferred, 12 hours of advanced course work (courses numbered 300 or above) applied for credit toward the major subject for a baccalaureate degree, 9 hours of advanced course work applied for credit toward the major subject for an associate degree, and six hours of advanced course work toward major subject for a minor must be earned at Eastern.

## DEPARTMENT OF CORRECTIONAL AND JUVENILE JUSTICE STUDIES

**Chair**  
Dr. Kevin Minor  
(859) 622-1155  
Stratton Building, Room 105

### Faculty

P. Elrod, B. Matthews, D. May, W. McLaurine, I. Soderstrom,  
E. Wachtel, L. Wallace, J. Wells, and B. Wolford

### Baccalaureate Degree

#### CORRECTIONAL AND JUVENILE JUSTICE STUDIES (B.S.)

CIP Code: 43.0102

**Major Requirements ..... 38 hours**  
COR 100, 201, 310, 315, 350, 388, 400, 490, nine hours of Correctional and Juvenile Justice Studies electives, and six hours within either the Adult Corrections option or the Juvenile Justice option. Students must enroll in COR 100 and REC 190 during the same semester.  
**Adult Corrections Option:** COR 301 and 330.  
**Juvenile Justice Option:** COR 311 and 321.  
**Supporting Course Requirements ..... 10 hours**  
REC 190 and nine hours selected from at least two of the following programs in consultation with major advisor: observe prerequisites: Criminal Justice Studies, Police Studies, Child and Family Studies, Political Science, Psychology, Recreation, Social Work, Sociology, and Spanish.

**General Education Requirements..... 52 hours**

Standard General Education program. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ISO 100.

**Free Electives or Minor ..... 27 hours**

May choose additional correctional and juvenile justice studies courses, other elective courses, or a minor area of study.

**Total Curriculum Requirements ..... 128 hours**

**NOTE:** A maximum of nine hours total may be selected from COR 349, 375 or 460.

**Associate Degree****CORRECTIONAL AND JUVENILE JUSTICE STUDIES (A.A.)**

*CIP Code: 43.0102*

**Major Requirements..... 18 hours**

COR 201, 315, 350, 3 hours of Correctional and Juvenile Justice Studies electives, and the courses within one of the following options:

**Adult Corrections Option:** COR 301 and 330.

**Juvenile Justice Option:** COR 311 and 321.

**At-Risk Youth Studies Option:** COR 311 and CDF 342.

**General Education Requirements..... 48 hours**

**Core Component (33 hours):** One 3-hour course from each of the following areas of general education: Areas 01, 02, 05 or 06, 07, 09, 10, 11, 13 or 14, 15, 20, 21.

**Program Component (15 hours):** One 3-hour course from each of Areas 03 and 12 of general education and 9 hours of the following courses selected from at least two programs in consultation with major advisor and observant of prerequisites: POL 100, 101, 210, 211, 220, 300; PSY 300; SOC 131, 235; SPA 101, 102, 105, 201, 202, 206, 360, 370. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**University Requirement ..... 1 hour**

ISO 100.

**Total Curriculum Requirements ..... 67 hours**

**NOTE:** Courses selected under the program component of general education may not duplicate those used for the general education core component. A maximum of three hours total may be selected from COR 349, 375, or 460.

**Minor****MINOR IN CORRECTIONAL AND JUVENILE JUSTICE STUDIES**

A student may minor in Correctional and Juvenile Justice Studies by completing COR 201, 301 or 321, 311 or 330, 315, 350, and three hours of Correctional and Juvenile Justice Studies electives.

**Certificate****YOUTH WORK CERTIFICATION PROGRAM**

Designed for both traditional students as well as in-service workers, this program offers the student certification in Youth Work Practice. The program gives the student an opportunity to earn undergraduate credits in a blended academic and practice curriculum that will provide the fundamental skills and knowledge to enter the youth work profession. The 31 hour Program consists of the following courses:

ISO 100: Academic Orientation (1)

COR 310: Foundations of Correctional and Juvenile Justice Practice (3)

COR 311: The Juvenile Justice System (3)

COR 315: Legal and Ethical Issues in Corrections and Juvenile Justice (3)

COR 320: Youth Work Practice\* (3)

COR 321: Juvenile Corrections (3)

COR 375: Applied Skills Practicum (3)

COR 106: Workshop (3) or one elective course selected in consultation with advisor.

For additional information, application procedures and requirements, contact Chair of the Department of Correctional and Juvenile Justice Studies.

\*Will be taken for a total of 12 hours under different topics.

**DEPARTMENT OF CRIMINAL JUSTICE AND POLICE STUDIES****Chair**

**Dr. Carole Garrison**  
(859) 622-1978

Stratton Building, Room 467

**Faculty**

T. Barker, G. Cordner, T. Cox, G. Ferrell, C. Fields, C. Garrison, R. Givan, V. Kappeler, P. Kraska, E. Leichtman, W. Nixon, D. Paulsen, G. Potter, T. Reed, K. Scarborough, B. Thompson, B. Tillett, K. Tunnell, and B. Warner

**Baccalaureate Degrees****CRIMINAL JUSTICE (B.S.)**

*CIP Code: 43.0103*

**Major Requirements..... 33 hours**

**Core ..... 18 hours**  
CRJ 101, 313, 331, 388, 400, and 490.

**CRJ Electives ..... 15 hours**  
Selected from CRJ in consultation with major advisor.

**Supporting Course Requirements ..... 12 hours**

Three hours from COR, three hours from PLS, and six hours from APS, FSE, CRJ, COR, or PLS, with approval of advisor.



<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ISO 100.	
<b>Free Electives or Minor .....</b>	<b>30 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**POLICE STUDIES (B.S.)***CIP Code: 43.0107*

<b>Major Requirements .....</b>	<b>51 hours</b>
<b>PLS Core .....</b>	<b>18 hours</b>
PLS 103, PLS 216, PLS 220, PLS 326, PLS 415, PLS 416.	
<b>PLS Electives .....</b>	<b>9 hours</b>
Selected from PLS electives.	
<b>Supporting Electives .....</b>	<b>6 hours</b>
Select from CRJ, COR, FOR 301, APS 210, EMC 102 or 110, FSE 250 or TRS 332.	
<b>Supporting Course Requirements .....</b>	<b>18 hours</b>
CRJ 101, CRJ 331, CRJ 388, CRJ 400, ENG 300, CMS 300.	
<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ISO 100.	
<b>Free Electives .....</b>	<b>24 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

**Associate Degree****POLICE STUDIES (A.A.)***CIP Code: 43.0107*

<b>Major Requirements .....</b>	<b>21 hours</b>
CRJ 101, PLS 103, PLS 216, PLS 220, PLS 326, PLS 416, three hours of PLS electives.	
<b>University Requirement .....</b>	<b>1 hour</b>
ISO 100.	
<b>General Education Requirements .....</b>	<b>48 hours</b>
General Education Areas 01, 02, 03, 05, 06, 07, 09, 10, 11, 13, 14, 15, 17, 19, 20, 21, plus 3 hours from 04, 08, 12, or 16. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>Total Curriculum Requirements .....</b>	<b>70 hours</b>

**Minors****MINOR IN CRIMINAL JUSTICE**

A student may minor in Criminal Justice by completing CRJ 101, 313, 331, 388, 400 and one upper level CRJ elective.

**MINOR IN POLICE STUDIES**

A student may minor in Police Studies by completing a minimum of 18 semester hours of the following courses: CRJ 101, PLS 103, PLS 216, PLS 220, and 6 hours of PLS upper division electives. A grade of "C" or higher must be earned in each CRJ or PLS course for credit toward a PLS minor. At least six hours of the minor must be earned at Eastern Kentucky University.

**MINOR IN SOCIAL JUSTICE**

A student may minor in Social Justice by completing CRJ 101; CRJ 345 or SOC 400; CRJ 325, PLS 390 or CRJ 401; CRJ 405; SOC 235 or POL 464; and SOC 313 or 375. (Students majoring in police studies or criminal justice may not minor in social justice.)

**DEPARTMENT OF LOSS PREVENTION AND SAFETY****Chair**

**Dr. Larry Collins**  
(859) 622-1009

Stratton Building, Room 250

**Faculty**

W. Abney, M. Blakeney, L. Collins, P. Collins, N. Davis, R. Hopkins, S. Hunter, T. Kline, M. LaCount, J. McClanahan, D. Miller, R. Ochs, T. Schneid, M. Schumann, N. Spain, and J. Thurman

**Baccalaureate Degrees****ASSETS PROTECTION AND SECURITY (B.S.)***CIP Code: 43.0109*

<b>Major Requirements .....</b>	<b>36 hours</b>
APS 110, 210, 225, 333, 350 or 351, 395, 435*, 465, 495, six hours upper division APS electives.	
<b>APS Electives: APS 349, 350, 351, 435**, 445, 455.</b>	
<b>Minor .....</b>	<b>18 hours</b>
<b>General Education Requirements .....</b>	<b>52 hours</b>
Standard General Education program. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
<b>University Requirement .....</b>	<b>1 hour</b>
ISO 100.	
<b>Free Electives .....</b>	<b>21 hours</b>
<b>Total Curriculum Requirements .....</b>	<b>128 hours</b>

\*APS 435, 3 hours

\*\*APS 435, 1-3 hours

**NOTE:** Sufficient upper division hours to satisfy University requirements may not be listed. Students may need to select courses in General Education and free electives to satisfy upper division hours. A grade of "C" or higher must be earned in each APS course for credit toward major.

**Admission Procedure: Emergency Medical Care**

Students who have been admitted to the University and College of Justice and Safety and declare a major in Emergency Medical Care are admitted to the Pre-Emergency Medical Care Program. Admission to the Pre-Emergency Medical Care Program does not guarantee admission to the Advanced Emergency Medical Care (paramedic) sequence.

**Admission Requirements: Emergency Medical Care (Associate of Science, A.S.)**

Pre-Emergency Medical Care students are accepted each semester. Students are selected for admission into the Advanced Emergency Medical Care Program once a year in the following fall semester. Selection is in priority order on the basis of highest cumulative grade point average, entrance test score, and the criteria listed below. Due to limited enrollment, students are advised to apply as early as possible.

**Advanced Emergency Medical Care (PARAMEDIC) Additional Requirements**

1. Students must have a minimum grade of "C" in all Emergency Medical Care courses, BIO 171, and BIO 301.
2. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

**Student Liability Insurance**

Students must purchase and maintain the college student liability insurance prior to enrollment in EMC 110, 115, 270, 275, 280, 342, 352, 360 and 362.

**Admission Requirements: Emergency Medical Care (Degree -- Completion)**

Degree--Completion (D-C) students are accepted each semester. Applicants for admission must be currently certified as a Paramedic in Kentucky. Paramedic certification must be maintained throughout this D-C program. Students will receive 18 hours of EMC program credit hours upon completion of EMC 380 and EMC 382. Credit may be earned through credit by examination (see Credit by Examination in this manual) for the following courses: CHS 200, EMC 110, EMC 225 and EMC 240 (for a total of 15 hours).

**Advanced Emergency Medical Care -- Degree Completion (PARAMEDIC) Additional Requirements**

1. Students must have a minimum grade of "C" in all Emergency Medical Care courses, BIO 171, and BIO 301.
2. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

**EXTENDED PROGRAMS**

The College conducts extended campus classes throughout the central Kentucky area, including Fort Knox, Louisville, and Bowling Green. Such offerings make programs available to various agencies and military personnel.

**EMERGENCY MEDICAL CARE (B.S.)**

CIP Code: B51.0904

**Core Requirements ..... 50 hours**  
EMC 104<sup>1</sup>, 110<sup>6</sup>, 115<sup>2</sup>, 200<sup>3</sup>, 205<sup>1</sup>, 212<sup>1</sup>, 215<sup>1</sup>, 225, 240, 310<sup>1</sup>, 315<sup>1</sup>, 320, 335, 340, 342, 352, 360<sup>2</sup>, 362<sup>1</sup>, 400, 480; CHS 105<sup>1</sup>.

**Support Course Requirements**

**Paramedic Clinical/FSE Option ..... 39 hours**  
ENG 300; FSE 200, 225, 320, 400; BIO 171, 301, 378<sup>1</sup>; CHE 101<sup>4</sup>, 102<sup>4</sup>; PHI 383; PSY 200, 308.

**General Education Requirements**

**Paramedic Clinical/FSE Option ..... 40 hours**  
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Supporting Course Requirements**

**Paramedic/Science Option ..... 36 hours**  
BIO 171, 121<sup>4</sup>, 273<sup>4</sup>, 301, 378<sup>1</sup>; CHE 111<sup>3</sup>, 112<sup>5</sup>, 361<sup>3</sup>, 362<sup>3</sup>, 366<sup>1</sup>, 367<sup>1</sup>; PHY 131<sup>5</sup>.

**General Education Requirements**

**Paramedic/Science Option ..... 40 hours**  
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

**Free Electives ..... 2-3 hours**

**University Requirement ..... 1 hour**

JSO 100.

**Total Curriculum Requirements ..... 129-130 hours**

**FIRE AND SAFETY ENGINEERING TECHNOLOGY (B.S.)**

CIP Code: B43.0201

**Major Requirements ..... 42-50 hours**

**Core Requirements ..... 24 hours**

FSE 101, 120, 200, 221, 305, 320, 361, three hours approved (from 349, 489, or 499).

**Options**

**Fire Protection Engineering Technology .... 18 hours**  
FSE 201, 225, 322, 360, 366, 410.

**Fire Protection Administration ..... 26 hours**  
FSE 201, 223, 225, 250, 350<sup>4</sup>, 360, 400, 450<sup>4</sup>.

**Fire, Arson, and Explosion Investigation ..... 22 hours**  
FSE 223, 225, 250, 350<sup>4</sup>, 450<sup>4</sup>, 495, 499<sup>2</sup>.

**Industrial Safety and Risk Management .... 21 hours**  
FSE 322, 360, 362, 366, 367, 410, 412.

**Safety and Industrial Relations ..... 24 hours**  
FSE 201, 225, 362, 367, 410, 412, 420, 430.

**Supporting Course Requirements ..... 26-41 hours**

**Fire Protection Engineering Technology .... 35 hours**  
CHE 101<sup>4</sup> or 111<sup>3</sup>; CHE 102<sup>4</sup> or 112<sup>5</sup>; EHS 340, MAT 124, MAT 224, PHY 201, PHY 202, PHY 375, TEC 190 or ENG 300.

**Fire Protection Administration ..... 26 hours**  
POL 377 or ACC 550, CHE 101<sup>4</sup> or 111<sup>3</sup>, CHE 102<sup>4</sup> or 112<sup>5</sup>, ENG 300, POL 376, PSY 202, TRS 233, VIT 364 or TTE 361.

**Fire, Arson, and Explosion Investigation ..... 32 hours**  
CHE 101<sup>4</sup> or 111<sup>3</sup>, CHE 102<sup>4</sup> or 112<sup>5</sup>, ENG 300, FOR 301, PLS 216, 316, 375, 416, 426; JOU 325 or TEC 315 or TEC 313.

**Industrial Safety and Risk Management .... 29 hours**  
APS 110; APS 210; CHE 101<sup>4</sup> or 111<sup>3</sup>; CHE 102<sup>4</sup> or 112<sup>5</sup>; EHS 340, 3 hours from EHS 345 or 440; ENG 300; 3 hours from INS 370, 372 or 378; TRS 332.

**Safety and Industrial Relations ..... 41 hours**  
 EHS 340, 345, 440, CHE 101<sup>4</sup> or 111<sup>3</sup>, CHE 102<sup>4</sup> or 112<sup>5</sup>,  
 APS 110 or 210, ENG 300, INS 378, ACC 201, 202, ECO  
 230, MGT 300, 320, and three hours from MGT 440 or  
 445.

**General Education Requirements ..... 40-43 hours**  
 Standard General Education program, excluding course categories  
 14, 15, and 16. Fire Protection Engineering Technology also has  
 an exclusion for category 21. Refer to Section Four of this  
*Catalog* for details on the General Education and University  
 requirements.

**University Requirement ..... 1 hour**  
 JSO 100.

**Free Electives ..... 0-10 hours**

**Total Curriculum Requirements ..... 128-136 hours**

**NOTE:** The Fire Protection Engineering Technology and Fire  
 Protection Administration options do not contain a sufficient number  
 of upper division hours to satisfy university requirements. Students  
 should select courses in general education requirements to satisfy  
 upper division hours.

\*A grade of "C" or higher must be earned in each FSE course for  
 credit toward an Associate or Baccalaureate Degree in Fire and Safety  
 Engineering Technology.

## Associate Degrees

### **EMERGENCY MEDICAL CARE (A.S.)**

*CIP Code: 51.0904*

**Major Requirements ..... 40 hours**  
 EMC 104, 110, 115, 200, 205, 212, 215, 225, 310, 315, 320,  
 335, 340, 342, 352, 360, and 362.

**Supporting Course Requirements ..... 3 hours**  
 EMC 240.

**General Education Requirements ..... 22 hours**  
 JSO 100, BIO 171, 301, three hours general education  
 humanities, three hours general education social science, three  
 hours of free electives, and six hours of English composition.

**Total Curriculum Requirements ..... 65 hours**

### **FIRE AND SAFETY ENGINEERING TECHNOLOGY (A.A.)**

*CIP Code: 43.0201*

**Major Requirements ..... 30 hours**  
 FSE 101, 120, 201, 221, 223, 225, and 12 hours of FSE electives  
 with advisor approval.

**Supporting Course Requirements ..... 22 hours**  
 JSO 100, six hours of English composition\*, three hours general  
 education humanities\*, three hours general education social  
 science\*, three hours general education natural science\*,  
 HPR 180\*, 282\*.

**Free Electives ..... 16 hours**

**Total Curriculum Requirements ..... 64 hours**

\*Courses meeting general education requirements.

## Minors

### **MINOR IN ASSETS PROTECTION**

A student may minor in Assets Protection by completing a  
 minimum of 18 semester hours as follows: APS 110, 210, 225, 333,  
 and six hours of upper division APS electives. A grade of "C" or  
 higher must be earned in each APS course for credit toward the  
 minor.

### **MINOR IN EMERGENCY MEDICAL CARE**

Completing the minor requires a minimum grade of "C" in  
 EMC 104, 110, 115, 200, and nine hours CHS or EMC course  
 work pre-approved by the EMC Admission and Progression  
 Committee.

### **MINOR IN FIRE AND SAFETY ENGINEERING TECHNOLOGY**

The courses required to complete a minor in Fire and Safety  
 Engineering Technology include: FSE 120, FSE 225 or 362, and 12  
 hours of FSE electives. Nine hours must be upper division.

### **MINOR IN TRAFFIC SAFETY (NON-TEACHING)**

A student may minor in Traffic Safety by completing 18  
 hours from the following courses: TRS 103, 233, 322, 413; plus  
 seven additional hours selected from TRS 100, 234, 332, 342, 349,  
 407, 491.

## Certificates

### **ADVANCED EMERGENCY MEDICAL CARE, CERTIFICATE**

**Major Requirements ..... 22 hours**  
 EMC 130, 270, 275, 280, and 310.

**Total Curriculum Requirements ..... 22 hours**

### **BASIC EMERGENCY MEDICAL TECHNICIAN CERTIFICATION**

Meets the Kentucky Cabinet for Human Resources certification  
 requirement: EMC 110. Corequisite: EMC 104.

**Total Curriculum Requirements ..... 7 hours**

### **FIRE AND SAFETY ENGINEERING TECHNOLOGY CERTIFICATION OF COMPETENCY**

*CIP Code: 43.0201*

The courses required to complete the certificate of competency in  
 Fire and Safety Engineering Technology include: FSE 101, 120,  
 201, 221, 223, 225, 320, 322, 350, 360 or 489.

**Total Curriculum Requirements ..... 31-32 hours**

## Endorsement

### **DRIVER EDUCATION ENDORSEMENT**

The requirements for a driver education endorsement for any  
 teaching major are: TRS 285, 386, 487, and 588.



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# SECTION SIX

## Course Descriptions

## Course Prefixes

<b>ASO 100</b>	<i>Academic Orientation</i>
<b>BTO 100</b>	<i>Academic Orientation</i>
<b>EDO 100</b>	<i>Academic Orientation</i>
<b>GSO 100</b>	<i>Academic Orientation</i>
<b>HSO 100</b>	<i>Academic Orientation</i>
<b>JSO 100</b>	<i>Academic Orientation</i>
ACC	Accounting
ADM	Apparel Design and Merchandising
AFA	African/African-American Studies
AFS	Aerospace Studies (Air Force ROTC)
AGR	Agriculture
ANT	Anthropology
APP	Appalachian Studies
APS	Assets Protection and Security
ART	Art
ASL	American Sign Language
AST	Astronomy
ATR	Athletic Training
AVN	Aviation
BEM	Broadcasting and Electronic Media
BIO	Biology
CAH	Arts and Humanities
CCT	Corporate Communication and Technology
CDF	Child and Family Studies
CHE	Chemistry
CHS	College of Health Sciences
CIS	Computer Information Systems
CLS	Clinical Laboratory Science
CLT	Clinical Laboratory Technology
CMS	Communication Studies
CNM	Arts and Sciences Interdisciplinary
COM	Communication
CON	Construction Management
COR	Correctional and Juvenile Justice Studies
CRJ	Criminal Justice
CSC	Computer Science
CTE	Career and Technical Education
DES	Design
ECO	Economics
EDF	Educational Foundations
EET	Electricity and Electronics Technology
EHS	Environmental Health Science
ELE	Elementary Education
EMC	Emergency Medical Care
EME	Elementary and Middle Grade
EMG	Middle Grade Education
EMS	Elementary, Middle Grade, and Secondary Education
ENG	English
ENR	Learning Skills
ESE	Secondary Education
FCC	Foreign Culture and Civilization
FCS	Family and Consumer Sciences
FIN	Finance
FLS	Foreign Language Studies
FOR	Forensic Science
FRE	French
FRM	Family Resource Management
FSE	Fire and Safety Engineering Technology
GBU	General Business
GCM	Graphic Communications Management
GCS	Interpersonal Skills and Career Counseling
GEO	Geography
GER	German
GLY	Geology
GSD	Student Development

GST	General Studies Tutoring
HCA	Health Care Administration
HEA	Health Education
HIS	History
HNF	Health Information
HON	Honors Program
HPR	General Physical Education and Lifetime Activities
HUM	Humanities
IES	Foreign Exchange Studies
INS	Insurance
INT	Industrial Technology
ITA	Italian
ITP	Interpreter Training
JOU	Journalism
JPN	Japanese
LAS	Paralegal
LAT	Latin
LIB	Library Science
MAR	Marine Sciences
MAS	Medical Assisting Technology
MAT	Mathematics
MGT	Management
MKT	Marketing
MPM	Medical Practice Management
MSL	Military Science and Leadership
MUS	Music
NAT	Natural Science
NFA	Nutrition, Foods, and Food Administration
NSC	Nursing (Baccalaureate)
NUR	Nursing (Associate)
OHG	Ornamental Horticulture
OTS	Occupational Therapy
PHE	Physical Education
PHI	Philosophy
PHY	Physics
PLS	Police Studies
POL	Political Science
POR	Portuguese
PSY	Psychology
PUB	Public Relations
QMB	Quantitative Methods
REC	Recreation and Park Administration
REL	Religion
RST	Real Estate
RUS	Russian
SCI	Science
SED	Special Education
SOC	Sociology
SPA	Spanish
STA	Statistics
SWK	Social Work
TEC	Technology, General
THE	Theatre Arts
TRS	Traffic Safety
TTE	Technology Teacher Education
WMS	Women's Studies

A student may not take a course numbered more than one year above his/her classification level without advisor permission. To take courses numbered 300 and above in *EKUBusiness* see the College of Business and Technology section for requirements for BBA degree.

Special approval must be obtained from the dean of the college offering a 500-level course in order for junior-level students to enroll. (Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.)

## Course Descriptions

The semester hours which may be earned by successful completion of a course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively. A course is offered during the indicated semester or by announcement on the assumption there will be adequate enrollment. If a course does not obtain adequate enrollment, it is subject to cancellation. The University reserves the right to cancel any course if the enrollment is not sufficient, to divide a course if the enrollment is too large for efficient instruction, and to change instructors when necessary.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as "3 Lec/2 Lab."

Courses approved for general education are noted as such by the phrase "Gen. Ed." and a number following the course description. The number refers to the general education category to which the course may be applied. See General Education Requirements in Section Four.

## Course Numbering

Courses are numbered according to the following plan:

000-099	are remedial non-degree credit courses
100-199	are primarily for freshmen
200-299	are primarily for sophomores
300-399	are primarily for juniors
400-499	are primarily for seniors
500-599	are primarily for seniors and are linked with 700 level graduate courses

**ACC -- Accounting**  
**Dr. Jessica Johnson Frazier, Chair**

**ACC 201 Introduction to Financial Accounting.** (3) I, II. Prerequisite: MAT 105 or take MAT 107 or higher concurrently. A user's approach to understanding financial accounting and reporting, emphasizing how creditors, investors, and others use accounting information in decision making and why financial accounting information is important to these users.

**ACC 202 Introduction to Managerial Accounting.** (3) I, II. Prerequisite: ACC 201 with a grade of "C-" or better. A study of the objectives, preparation and uses of managerial accounting information primarily from a user perspective. Emphasis on measurement, allocation, and reporting of costs to identify and solve business problems.

**ACC 222 Individual Income Taxes.** (3) Non-accounting majors only. Introduces concepts, techniques, and practices necessary for the preparation of individual income tax forms for the State of Kentucky and the U.S. Government.

**ACC 250 Financial Accounting Cycle.** (1) I, II. Prerequisite: ACC 201. Financial accounting cycle identifying, measuring, recording, and processing business data within the financial accounting system using appropriate software package.

**ACC 300 Managerial Accounting.** (3) I, II. Prerequisite: ACC 202 with a grade of "C-" or better. A study of the concepts and applications of contemporary management accounting techniques for both manufacturing and service organizations, including ABC, JIT, and TQM. Cannot be taken for credit by accounting majors.

**ACC 301 Principles of Accounting -- Intermediate.** (3) I, II. Prerequisites: ACC 201, 202, 250, ECO 230, QMB 200, 240 and CMS 100 with a grade of "C-" or better in each course. Proficiency in spreadsheet and word processing capability is required. Financial statements, current assets, investments, current and long-term liabilities, acquisitions, use and retirement of plant and equipment.

**ACC 302 Principles of Accounting -- Intermediate.** (3) I, II. Prerequisite: ACC 301 with a grade of "C-" or better. Capital stock, financial statement analysis, statement of cash flows, lease and pension accounting, accounting changes, and deferred taxes.

**ACC 322 Tax I.** (3) I, II. Prerequisite: ACC 201 with a grade of "C-" or better and junior standing. Income tax legislation-Federal and State; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends, deductions; withholding.

**ACC 327 Cost Accounting.** (3) I, II. Prerequisite: ACC 202 and 250 with a grade of "C-" or better. Cost flows and cost systems; the cost accounting cycle; basic cost determination systems and procedures; standard costing; budgeting and decision making applications.

**ACC 349 Applied Learning in Accounting.** (1-4) A. Prerequisites: minimum GPA of 2.25 and BBA majors only. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

**ACC 349 A-II Cooperative Study: Accounting.** (1-4) A. Prerequisites: minimum GPA of 2.25 and BBA majors only. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

**ACC 350 Accounting Information Systems.** (3) I, II. Prerequisites: ACC 202 with a grade of "C-" or better and CIS 300. The conceptual foundations of accounting information systems, the technology, the systems management of accounting information systems.

**ACC 390 Internship In Accounting.** (4) II. Prerequisites: "B" average and departmental approval. By invitation only.

**ACC 425 Accounting Theory.** (3) I, II. Prerequisite: ACC 302 with a grade of "C-" or better. Emphasis on a conceptual understanding of accounting principles using literature published by the AICPA, FASB, and current writers. Accounting history, SEC, legal liability, conceptual framework, SFAS's and APB's.

**ACC 440 Legal Aspects of Accounting.** (3) I, II. Prerequisites: strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on short cuts and suggestions for timesaving on the examination.

**ACC 441 Auditing I.** (3) I, II. Prerequisites: ACC 302, 350, and QMB 200 with grades of "C-" or better. Professional ethics; accountant's legal responsibility; internal control; general arrangement and procedure of an audit, asset accounts; liability accounts; operating accounts; the audit report.

**ACC 442 Auditing II.** (3) II. Prerequisite: ACC 441 with a grade of "C-" or better. Application to accounting and auditing of internal control, statistical sampling, computer techniques, and audit reports.

**ACC 490 Special Problems in Accounting.** (1-6). A. May be retaken under different sub-topics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**ACC 501 International Accounting and Combinations.** (3) II. Prerequisite: ACC 302 with a grade of "C-" or better. Corporate combinations including consolidated balance sheets and income statements and special problems with consolidations. International topics: standards, foreign exchange transactions and translation of financial statements of foreign subsidiaries.

**ACC 521 Fund Accounting.** (3) I. Prerequisite: ACC 302 with a grade of "C-" or better. Advanced study in accounting and fiscal procedures for institutions and federal, state, county, and municipal governments.

**ACC 523 Taxation of Corporations.** (3) I, II. Prerequisite: ACC 322 with a grade of "C-" or better. Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes; special problems in preparation of tax returns.

**ACC 525 Forensic Accounting.** (3) A. Prerequisites: ACC 301 and 322 with a grade of "C-" or better. A study of investigative accounting procedures and techniques used in litigation support. Topics to be covered include financial reporting fraud, employee fraud, income reconstruction methods, testifying as an expert witness, evidence management, cybercrime, and business valuations.

**ACC 527 Managerial Cost Accounting.** (3) A. Prerequisite: ACC 327 with a grade of "C-" or better. Advanced problems in cost, budget, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

**ACC 550 Accounting for Non-Profit Organization.** (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations. Cannot be taken by students who have an undergraduate major in ACC.

**ADM--Apparel Design and Merchandising**  
**Dr. Diane Leggett, Chair**

**ADM 102 Introductory Apparel Production.** (3) I, II. Basic principles of apparel production; selection, alteration, and fitting of commercial patterns.

**ADM 119 Introduction to Apparel Design and Merchandising.** (3) I. An introductory study of apparel and textile producers, designers, merchandisers, retailers, consumer characteristics, consumer behavior, and ethical issues. Information sources about the industry and consumers are examined. Exploration of career opportunities.

**ADM 201 Introduction to Textiles.** (3) I, II. Introduction to fibers, yarn, fabrics, colorations, and finishes. Emphasis on consumer use. 2 Lec/2 Lab.

**ADM 203 Pattern Alteration and Fitting.** (3) II. Prerequisite: ADM 102. A basic study of pattern alteration and fitting using commercial patterns.

**ADM 210 Dress, Appearance and Culture.** (3) A. Social, cultural, and psychological factors which influence beliefs, attitudes and choices regarding appearance and dress of individuals and groups.

**ADM 222 Fashion Illustration.** (3) A. Methods and materials for clothing illustration, including sketching of the elongated fashion figure and computer-aided-design. Illustration, color and fabric rendering of original designs and clothing lines.

**ADM 300 Apparel and Textile Sourcing.** (3) I. Prerequisite: ADM 201. Study of domestic and international apparel and textile sources of supply. Examines topics related to textile/apparel production, manufacturing, import/export, retailing and consumption.

**ADM 302 Textile Evaluation and Specification.** (3) II. Prerequisite: ADM 201. Performance evaluation of textiles. Examination and development of textile standards and specifications. 2 Lec/2 Lab.

**ADM 310 Historical Costume and the Social Order.** (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

**ADM 312 Flat Pattern Draping Design.** (3) A. Prerequisites: ADM 102 or department approval. Development of apparel designs through flat pattern and draping techniques.

**ADM 313 Apparel Design and Quality.** (3) II. A study of apparel selection including terminology, sizing of ready-to-wear, factors influencing quality levels of sewn products, and principles of design and aesthetics of dress.

**ADM 319 Apparel Merchandising.** (3) A. Prerequisite: ADM 300. The merchandising of apparel, including merchandise control, buying procedures, vendors, vendor relations, planning assortments and budgets for basic and fashion categories. Practice in merchandise mathematics.

**ADM 339 Visual Merchandising.** (3) I. Prerequisite: junior standing or department approval. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for store windows and interiors.

**ADM 349 Applied Learning in Apparel.** (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours work required for each academic credit.

**ADM 349 A-II Cooperative Study: Apparel.** (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours work required for each academic credit.



**ADM 411 Advanced Apparel Production. (3)**  
**A.** Prerequisites: ADM 102 or department approval. Tailoring and other advanced apparel production techniques. Exploration of appropriate production techniques for specialty fabrics.

**ADM 412 Advanced Apparel Design. (3) A.**  
 Prerequisites: ADM 201 and 312 or department approval. Solving design problems through fabric selection, patternmaking techniques, and apparel production methods. Presentation of design concepts in a portfolio.

**ADM 413 Apparel Product Development. (3) II.** Prerequisites: ADM 102, 210, 300, 313, 349. Problem solving and the development of sewn products and services in the apparel industry.

**ADM 414 Apparel Design and Merchandising Practicum. (6) A.** Prerequisite: ADM 413 and 2.0 cumulative GPA. Supervised practicum studying apparel design and/or merchandising in manufacturing, design, retail or wholesale firms.

**ADM 419 Special Problems in ADM. (1-3) A.**  
 Prerequisites: 3.0 GPA and department approval. The student selects a problem and works under the supervision of the instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics differ.

**ADM 517 Textiles, Fashion, and Merchandising Tour. (1-3) A.** Prerequisite: department approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of six hours provided the destinations differ.

**ADM 550 ADM Topics: \_\_\_\_\_. (1-3) A.**  
 A course designed to offer specialized expertise in numerous areas related to textiles, clothing, and fashion. May be retaken to a maximum of six hours provided topics vary.

**AFA—African/African-American Studies**  
**Dr. Andrew Scholmester III, Dean**

**AFA 201 Intro to African/African-American Studies. (3) A.** Introduces students to the historical, socio-economic, cultural, and political experiences of African people in Africa and Diaspora. It fulfills a core requirement for African/African-American Studies.

**AFA 202 The African-American Experience. (3) A.** An overview of the historical, social, political, economic, and cultural factors that have helped shape the experiences of African Americans in the United States. It fulfills a core requirement for African/African-American Studies.

**AFS—Aerospace Studies (Air Force ROTC)**  
**Colonel William McKinney, Chair**  
**University of Kentucky**  
**(859) 257-7115**

Leadership Seminar is open to students who are members of the Air Force Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

**AFS 111 Aerospace Studies I. (1) I.** This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces, and aerospace support forces.

**AFS 112 Leadership Seminar. (1) I.**  
 Corequisite or Prerequisite: AFS 111 or 211. Introduces Air Force customs and courtesies, drill and ceremonies, and wear of the uniform. The course also includes a discussion of career opportunities in the Air Force.

**AFS 113 Aerospace Studies I. (1) II.**  
 A continuation of AFS 111.

**AFS 114 Leadership Seminar. (1) II.**  
 Corequisite or Prerequisite: AFS 113 or 213.  
 A continuation of AFS 112.

**AFS 211 Aerospace Studies II. (1) I.** This course is a study of air power from balloons and dirigibles through the jet age. It is an historical review of air power employment in military and nonmilitary operations in support of national objectives; and a look at the evolution of air power concepts and doctrine.

**AFS 212 Leadership Seminar. (1) I.**  
 Corequisite or Prerequisites: AFS 111 or 211; AFS 112, and 114. Builds on the foundation established during AFS 112 and 114. Air Force customs, courtesies, and opportunities are emphasized. The cadet is prepared for individual, flight, and squadron movements in drill and ceremonies.

**AFS 213 Aerospace Studies II. (1) II.**  
 A continuation of AFS 211.

**AFS 214 Leadership Seminar. (1) II.**  
 Corequisite or Prerequisites: AFS 113 or 213; AFS 112, and 114. A continuation of AFS 112. Emphasis on preparing cadets for attendance at field training during succeeding summer.

**AFS 311 Aerospace Studies III. (3) I.**  
 Prerequisite: acceptance into the professional officer course. A study of management functions with emphasis on the environment. Individual motivational and behavioral process, communication, and group dynamics are included for the development of professional skills.

**AFS 312 Leadership Seminar. (1) I.**  
 Corequisite or Prerequisite: AFS 311. Involves the cadets in advanced leadership experiences to prepare for active duty. Cadet responsibilities include planning, organizing, directing, coordinating, and controlling the activities of the cadet corps and preparing briefings and written communications.

**AFS 313 Aerospace Studies III. (3) II.**  
 Prerequisite: AFS 311. A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional, and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization.

**AFS 314 Leadership Seminar. (1) II.**  
 Corequisite or Prerequisite: AFS 313. Cadets continue preparations for fulfilling leadership positions as an active duty Air Force officer.

**AFS 411 Aerospace Studies IV. (3) I.**  
 Prerequisites: AFS 311 and 313. A study of the military profession, civil-military interactions, communication skills, framework of defense policy, and formulation of defense strategy.

**AFS 412 Leadership Seminar. (1) I.**  
 Corequisite or Prerequisite: AFS 411. Involves the cadets in higher level advanced leadership experiences similar to those in AFS 312. In addition, the cadets receive a final block of instruction for Initial Commissioned Service.

**AFS 413 Aerospace Studies IV. (3) II.**  
 Prerequisite: AFS 411. Continues the study of strategy and the management of conflict, formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making.

**AFS 414 Leadership Seminar. (1) II.**  
 Corequisite or Prerequisite: AFS 413. Cadets prepare for Initial Commissioned Service by fulfilling advanced leadership positions. Continued emphasis on group dynamics and the role of future leaders in the Air Force.

**AFS 495 Independent Work. (2-6) A.**  
 Prerequisite: approval of professor of aerospace studies. A study of an advanced problem on an aerospace subject under the guidance of the Chairman of the Department of Aerospace Studies.

**AGR—Agriculture**  
**Dr. Bruce Pratt, Interim Chair**

**AGR 105 Introductory Topics in Agriculture. (3) I, II.** A non-structured course for incoming students who have met the secondary skills standard examination requirements in the area of

agriculture. Departmental chair approval required prior to enrollment. May be taken to a maximum of 6 hours.

**AGR 110 Introduction to American Agriculture. (2) A.** The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and World Markets. Credit may not be counted toward major or minor in the Department.

**AGR 125 Principles of Animal Science. (3) I.** Corequisite: AGR 126. Management and production of livestock enterprises; types, market classes, and grades of beef cattle, sheep and swine, and the breeds and products of dairy cattle.

**AGR 126 Animal Science Laboratory. (1) I.**  
 Corequisite: AGR 125. Applied principles in the proper handling, restraint, and management techniques in beef, dairy, sheep, swine, and horses.

**AGR 130 Principles of Agronomy. (3) I.**  
 Corequisite: AGR 131. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

**AGR 131 Agronomy Laboratory. (1) I.**  
 Corequisite: AGR 130. Laboratory and field experiences related to plant growth, development, and management of agronomic resources.

**AGR 210 Agricultural Measurements. (2) A.** Prerequisite: MAT 105 or higher. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm. Majors must take AGR 210 during the first 60 hours of course work or credit will not be awarded. Transfer students must take AGR 210 during their first semester after declaring a major.

**AGR 213 Principles of Agricultural Mechanics. (4) I, II.** Principles of operation, maintenance, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience.

**AGR 215 Principles of Soils. (3) I, II.**  
 Prerequisite: include CHE 101 or CHE 105 or CHE 111. Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime and commercial fertilizers, soil erosion, soil management.

**AGR 225 Evaluation and Selection of Livestock. (3) II.** An evaluation of dairy cattle, beef cattle, swine and sheep; use of records, body type ratings, and carcass information as they relate to functional anatomy and efficiency of production; sire selection and pedigree interpretation. 2 Lec/2 Lab

**AGR 250 Light Horse Production and Management. (3) A.** History and role of equine industry, breeds of horses and ponies for work and pleasure, includes management, breeding, pests, and care of horses.

**AGR 255 Companion Animal Management. (3) A.** Care and management of dogs, cats, rabbits, birds, reptiles and tropical fish. Companion animal breeds, behavior, nutrition, genetics and reproduction will be emphasized.

**AGR 272 Agricultural Machinery and Safety. (3) II.** Selection, operation, maintenance and safe use of agricultural machinery used in the production and processing of agricultural products. Students will experience assembling different types of new farm machinery and reconditioning old machinery. 2 Lec/2 Lab.

**AGR 300 Travel Study in Agriculture Technology. (1-6) A.** A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture, structural organizations of agricultural enterprises, and professional and interpersonal relationships. May be retaken once.

**AGR 301 Directed Work Experience. (1-4) I, II.** Cross listed as OHO 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for OHO 301.

**AGR 302 Directed Work Experience - Management Practicum. (3) I, II.** Student will schedule nine hours of work per week during the semester on a university farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken to a maximum of 12 hours.

**AGR 302A Agricultural Mechanization Option.**

**AGR 302B Beef Cattle Option.**

**AGR 302C Swine Option.**

**AGR 302D Dairy Cattle Option.**

**AGR 302E Crops Option.**

**AGR 302F Sheep Option.**

**AGR 304 Pest Management. (4) II.** Identification of the principal agriculture and horticulture insect disease and weed pests in Kentucky. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration.

**AGR 305 Professional Skills Seminar. (1) A.** Prerequisite: completion of 30 hours in the Associate or more than 60 hours and less than 90 hours in the Bachelor Degree Program. Course prepares students for the job market including: resume development, cover letter preparation, job interview skills and oral presentations.

**AGR 306 The Global Society's Food Supply. (3) A.** A study of the complexities of the global food and fiber supply including the production, manufacturing and distribution systems. These studies include historical influences, current topics and health related food issues.

**AGR 308 Introduction to Agribusiness. (3) I.** An introduction to the economic environment of the agribusiness sector. Examines the role of agriculture in the U.S. and world economies. Includes concepts and principles concerning individual agribusiness decision making.

**AGR 310 Principles of Agribusiness Management. (3) II.** Prerequisite: AGR 308. Organization and operation of the farm related agricultural business with emphasis on budgeting, enterprise selection, financial statements, and resource management. Includes microcomputer applications and survey of government regulations that are applicable to topic.

**AGR 311 Agriculture Metal Fabrication. (2) A.** Principles and techniques of arc and oxyacetylene welding and soldering as it pertains to fabrication and repair of agriculture machinery and equipment. 1 Lec/2 Lab.

**AGR 312 Advanced Crops; Forage Crops. (3) II.** Prerequisites: AGR 130 and 131. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

**AGR 315 Technical Soils Laboratory. (2) I, II.** Prerequisite: AGR 215 or concurrently. A soils skill course, recognizing physical characteristics of soils, study of soil types, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices. 4 lab.

**AGR 317 Soil Classification and Morphology. (2) A, I.** Prerequisite: AGR 215. Comprehensive soil survey system, identifying physical and chemical properties of the epipedons and subhorizons of the soil profile and assigning classification designations. 1 Lec/2 Lab. May be repeated for up to six hours of credit.

**AGR 318 Soil/Water Conservation Technology. (3) A, I.** Principles and procedures for basic surveying and soil-water conservation systems. This will include how rainfall, run-off, erosion, contours, ponds, lagoons, drainage, and irrigation interact with the desired conservation system. 2 Lec/2 Lab.

**AGR 321 Feeds and Feeding. (4) I.** Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuffs. 3 Lec/2 Lab.

**AGR 327 Beef Production. (4) I.** Prerequisites: AGR 125 and 126. History, importance, and trends associated with the beef cattle industry; systems of selecting, breeding, feeding, marketing, and management of beef cattle. 3 Lec/2 Lab.

**AGR 328 Swine Production. (4) A.** Prerequisites: AGR 125 and 126. History, importance, and trends associated with the swine industry; systems of selecting, breeding, feeding, marketing, and management of swine. 3 Lec/2 Lab.

**AGR 330 Meat Identification and Consumer Evaluation. (2) A.** Principles of grading, cutting, identifying, pricing, and consumer evaluation of poultry, beef, pork, and lamb cuts, and related products.

**AGR 332 Poultry Production and Management. (3) A.** History and importance of the poultry industry, breeds, breeding, feeding, and management in the layer and broiler industry.

**AGR 340 Conservation of Agricultural Resources. (3) A.** Conservation of soils and their fertility, erosion and control, soil conservation methods for individual farms, water supply and distribution, problems of water and air pollution, problems resulting from the population explosion.

**AGR 345 Sustainable Agroecosystems. (3) A, I.** Prerequisites: any course in chemistry, AGR 130, and 131; or OHO 131 and 132 or BIO 131. A comprehensive study of new technology related to crop, and pest management practices which could enhance economic returns, environmental quality, and the resource base for the short and long term.

**AGR 349 Applied Learning in Agriculture. (1-8) A.** Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**AGR 349 A-II Cooperative Study: Agriculture. (1-8) A.** Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**AGR 350 Agricultural Marketing. (3) A.** Prerequisite: AGR 308. A study of concepts, principles and practices of marketing as related to the agribusiness system. Emphasis on agricultural input, production and processing/manufacturing sectors. Includes agriculture futures commodity market theory, mechanics and practical applications.

**AGR 362 Hydraulic Systems. (2) A.** A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment. 1 Lec/2 Lab.

**AGR 372 Topics and Laboratories in Animal Science. (1-2) A.** May be taken to a maximum of two hours, provided the topics are different.

**AGR 372A Feeds and Feeding Laboratory.**

**AGR 372F General.**

**AGR 373 Animal Diseases. (3) I.** Prerequisite: six hours of animal science. Treatment, prevention, and eradication of infectious and parasitic disease of farm animals.

**AGR 374 Genetics of Livestock Improvement. (3) II.** Prerequisite: six hours of animal science. Applied genetic principles of improving farm animals including crossbreeding, inbreeding, and other mating plans.

**AGR 375 Reproduction and Artificial Insemination of Domestic Animals. (3) A.** Prerequisite: six hours of animal science. Reproductive systems, study and practice of artificial insemination, and pregnancy diagnosis of domestic animals. 1 Lec/4 Lab.

**AGR 376 Anatomy and Physiology of Domestic Animals. (3) A.** Prerequisite: six hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

**AGR 380 Technical Management of Dairy Cattle. (4) I.** Prerequisites: AGR 125 and 126. History, economics and nutritional importance and trends associated with the dairy industry including systems of selecting, breeding, feeding, sanitation, housing, marketing and management for financial success emphasizing both the cow and herd management. 3 Lec/2 Lab.

**AGR 381 Agriculture Structures. (3) I.** Study the principles of planning, drawing, locating, and constructing farm livestock and materials handling facilities. Also, develop an understanding of closely related structure aspects: such as, environmental control, waste management, ventilation, and structure design. 2 Lec/2 Lab.

**AGR 383 Diesel Power Systems. (3) I.** Study of the operation, maintenance, and repair of agricultural diesel powered systems; includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice. 2 Lec/2 Lab.

**AGR 409 Agriculture Business Records and Analysis. (3) I.** Management and analysis of record systems for decision support involving organization, enterprise selection, and operation of agricultural and horticultural businesses.

**AGR 410 Special Problems Seminar. (1-3) I, II.** Cross listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for OHO 410.

**AGR 411 Senior Seminar. (1) I, II.** Prerequisite: senior standing. Preparation of graduates to enter the job market. Students complete oral presentations, resumes, job applications, cover letters, job interviews and register with CD and P. Includes overall assessment of the graduate and department curriculum.

**AGR 416 Soil Fertility. (3) A.** Prerequisite: AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

**AGR 417 Plant Tissue Culture Techniques. (3) I, II.** A study of regeneration and morphogenesis of plant materials with emphasis on media preparation, callus induction, and in vitro propagation for several economic plant species. 1 Lec/4 Lab.

**AGR 421 Animal Nutrition. (3) II.** Prerequisite: AGR 321 or instructor approval. Principles of nutrition basic to modern livestock feeding; symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, and modern methods of feed preparation and feeding.

**AGR 440 Agricultural Financing. (3) II.** Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

**AGR 501 Special Problems in Agriculture. (3) A.** A course for exceptional seniors involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**AGR 570 Advanced Technical Agriculture: \_\_\_\_\_, (3) A.** Advanced study of agriculture with emphasis on updating, understanding, and developing competency in recent technology. May be retaken to a maximum of nine hours provided the topic varies.



**AGR 577 Workshop in the Conservation of Natural Resources.** (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

**ANT—Anthropology**  
**Dr. Steven Savage, Chair**

**ANT 120 Introduction to Cultural Anthropology.** (3) I, II. Explanation of culture and related concepts. Development of generalizations concerning social, economic, political, and ritual organization, based chiefly on comparative study of various traditional societies. Includes a brief survey of archeology and linguistics. Gen. Ed. 09.

**ANT 201 Introduction to Physical Anthropology.** (3) I, II. General survey of the principal areas of physical anthropology, emphasizing contemporary human biological variation and including an appraisal of humankind's place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

**ANT 206 Human Evolution.** (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of humankind's evolution and the development and evolution of human material culture. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

**ANT 210 Non-Industrial Societies Around the World.** (3) I, II. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development. Gen. Ed. 10.

**ANT 211 Industrial Societies Around the World.** (3) I, II. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective, and including the industrialization of the underdeveloped world, and the implications of automation, and other technology. Gen. Ed. 11.

**ANT 310 The Sociology of Language Use.** (3) A. Cross listed as SOC 310. Completion of ANT 120 or SOC 131 is advised before taking ANT 310. An examination of the variations and meanings of language use in social groups and the role of language in human interaction. Credit will not be awarded to students who have credit for SOC 310.

**ANT 325 Problems in Contemporary Cultures.** (3) A. Anthropological approach to contemporary history including cultural crisis in industrialized civilizations, and the problems arising from the industrialization of traditional societies. Implications of current trends in culture change. Problems addressed dependent upon instructor. Gen. Ed. 12.

**ANT 330 American Indians.** (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North America, and including culture area concept and culture change since European contact.

**ANT 331 Appalachia: A Cultural Perspective.** (3) A. Cross listed as SWK 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of intercultural helping. Credit will not be awarded to students who have credit for SWK 331.

**ANT 333 First Nations - Canadian Indians.** (3) A. Descriptive and comparative study of representative native cultures of North America, focusing on Canada. Topics include culture area concept, cultural change, techniques of ethnography and ethnohistory, and application of anthropological models (theory). Cultures to be examined in this offering include: Ojibwe (Chippewa), Huron, Cheyenne, Lillooet, Nootka, subarctic Dene (Han and Chipewyan), and Inuit (Copper Eskimo).

**ANT 340 Folk and Peasant Societies.** (3) A. Completion of ANT 120, 210, or 211 is advised before taking ANT 340. Emphasizes the relatively stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

**ANT 350 Methods in Archaeology.** (3) A. Prerequisite: ANT 120, 210, or 211. An introduction to archeological method and theory, including reconnaissance, surface survey, excavation and processing, classification analysis, and interpretation of data. The course will include practical archeological exercises.

**ANT 353 Archaeological Theory.** (3) A. Prerequisite: ANT 120, 210, or 211. This course examines past societies emphasizing the Maya site of Copan, Honduras. Archaeological theory is examined in reference to Copan, including the history of archaeology, cultural ecology, trade, exchange, cultural evolution and state formation.

**ANT 355 Selected Topics in Archeology:** \_\_\_\_\_. (3) A. Prerequisite: ANT 350 or instructor approval. Sample topics: systems of chronology, historic archeological sites. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

**ANT 357 Archaeology and the Law.** (3) A. Prerequisites: ANT 210, 211. Corequisite: ANT 350. Federal legislation manages cultural resources in the part of modern development, and the repatriation of certain materials to descendant tribes is really for anthropology/archaeology. This course provides students with the opportunity to understand this legislation.

**ANT 360 Mesoamerica Before Cortez.** (3) A. Prerequisite: ANT 120, 210, or 211. Completion of ANT 350 is advised before taking ANT 360. This course focuses on the archeological past, the colonial experience, and the contemporary reality of the Indians of Mesoamerica — primarily the modern nations of Mexico, Belize, and Guatemala.

**ANT 365 Selected Topics in Physical Anthropology:** \_\_\_\_\_. (3) A. Completion of ANT 201 is advised before taking ANT 365. Sample topics: monkeys, apes, and humans; human osteology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

**ANT 375 Selected Topics:** \_\_\_\_\_. (3) A. Completion of ANT 120, 210, or 211 is advised before taking ANT 375. Sample topics: legal and political anthropology, population genetics, cultural ecology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

**ANT 380 Forensic Anthropology.** (3) A. Completion of ANT 201 is advised before taking ANT 380. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

**ANT 385 Bones, Bodies, and Disease.** (3) A. Completion of ANT 201 is advised before taking ANT 385. Introduction to paleopathology, the study of diseases and injuries in ancient human populations, as shown primarily by skeletal remains and secondarily by art and literature.

**ANT 390 Kinship and Social Structure.** (3) A. Completion of ANT 120, 210, or 211 is advised before taking ANT 390. An introduction to anthropological perspectives concerning the organization of primate social life in the past and present. Course emphasizes the nature and function of institutions such as family, lineage, clan, and fictive kinship in societies.

**ANT 395 Theory in Anthropology.** (3) A. Completion of ANT 120, 210, or 211 is advised before taking ANT 395. An introduction to the major theories employed by anthropologists to interpret field data from each of the four subdisciplines.

**ANT 399 Gender & Cross-Cultural Perspective & Society.** (3) A. Cross listed as SOC 399. Completion of: ANT 120, 210, 211, or SOC 131 is

advised before taking ANT 399. Consideration of cultural diversity in defining gender roles. Emphasis on the relationship between the social construction of gender and the experiences of women and men in traditional and contemporary societies. Credit will not be awarded to students who have credit for SOC 399.

**ANT 415 Social Gerontology.** (3) A. Cross listed as SOC 415. Completion of ANT 120, 210, 211, or SOC 131 is advised before taking ANT 415. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective. Credit will not be awarded to students who have credit for SOC 415.

**ANT 435 Area Course in Ethnology:** \_\_\_\_\_. (3) A. Completion of ANT 120, 210, or 211 is advised before taking ANT 435. Cultures in selected areas of the world. May be retaken to a maximum of six hours, provided the subject matter differs each time.

**ANT 439 Practicum in Archeology.** (3) A. Co or Prerequisites: ANT 350, 470, or instructor approval. This course pairs senior anthropology majors with professional archaeologists for on-the-job training. Practicum options may include federal and state governments, private archaeological consultants, and anthropology museums.

**ANT 470 Field Methods in Archeology.** (3-8) A. Prerequisite: ANT 350. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

**ANT 590 Tutorial in Anthropology.** (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours, provided the subject matter differs each time. Directed study in anthropology.

**APP—Appalachian Studies**  
**Dr. Lyle Cook, Provost and Vice President**

**APP 460 Seminar in Appalachian Studies.** (3) A. Prerequisite: 12 hours Appalachian Studies or instructor approval. In-depth analysis of current social, political, economic or environmental issues in the Appalachian region through a directed research project or applied service-learning field experience. Capstone course for the Appalachian Studies minor.

**APS—Assets Protection and Security**  
**Dr. James McClanahan, Coordinator**

**APS 110 Principles of Assets Protection.** (3) A. History and overview of the assets protection industry and employment opportunities, and introduction to the basic methodologies of assets protection: personnel, physical, procedural, and auditing systems.

**APS 210 Security Systems Integration.** (3) A. Classroom and laboratory review and assessment of security technology, construction of physical security survey instruments, and non-technical design of integrated physical security systems.

**APS 225 Assets Protection Law.** (3) A. Review of civil and criminal authority and liability of assets protection personnel, with emphasis upon tort liability for use of force, false imprisonment, defamation, invasion of privacy, malicious prosecution, negligent hiring and retention, and negligent security.

**APS 320 Assets Protection Management.** (3) A. Prerequisite: APS 110 or departmental approval. The evolution and application of traditional and current theories of assets protection management.

**APS 333 Assets Protection Ethics and Policy.** (3) A. Prerequisite: APS 110 or departmental approval. Case study review, assessment and design of assets protection codes of ethics, policies and procedures. Case studies include private and government entities.



**APS 349 Applied Learning in Assets Protection. (1-8) A.** Prerequisite: departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Placements related to academic studies. One to eight hours credit. Minimum 80 hours work required per credit hour.

**APS 349 A-H Cooperative Study: Assets Protection. (1-8) A.** Prerequisite: departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Placements related to academic studies. One to eight hours credit. Minimum 80 hours work required per credit hour.

**APS 350 Private Investigations, Ethics and the Law. (3) A.** Review of methods and management of private investigations, public and private investigative resources, investigative technology, and ethical and public policy considerations related to private investigations. Also an examination of statutory and case law pertaining to private investigations, and presentation of investigative evidence in internal, administrative, civil and criminal proceedings.

**APS 351 Investigative Interviews and Reports (3) A.** Prerequisites: ENG 101 and 102; or departmental approval. Review of literature and techniques for conducting investigative interviews and interrogations, and preparation of investigative reports for internal, administrative, civil and criminal proceedings.

**APS 395 Homeland Security - An Overview. (3) A.** Review of the Homeland Security Agency of the Federal government including its organization, responsibilities, and authority, and how it impacts and relates to the private security discipline. The critical role of information collection, analysis, and dissemination in a proactive approach to protecting the public from terrorism will also be explored.

**APS 435 Topical Assets Protection Seminar: \_\_\_\_\_. (1-3) A.** Study of contemporary issues in assets protection. Selected topics may include credit card fraud, contract security management, employee drug testing, information security, insurance fraud, interviewing and negotiating, retail security, and other topics. May be retaken under different subtitles.

**APS 438 Information and Computer Security. (3) A.** Prerequisite: departmental approval. Vulnerability assessments and countermeasures for securing computer and network information systems from unauthorized entry, abuse, and sabotage, with emphasis on system software, database analysis, communication networks, and auditing techniques.

**APS 445 Field Experience. (3-12) A.** Prerequisite: departmental approval. Field training is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. May be retaken to a maximum of twelve hours.

**APS 455 Independent Study. (1-3) A.** Prerequisite: departmental approval. Individual reading and research on a problem or area within the field of assets protection after student consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

**APS 465 Assets Protection Auditing. (3) A.** Prerequisites: ACC 201 and introductory level statistics course; or departmental approval. Review and application of investigative auditing, inventorying, and surveying procedures, and application of probability and statistical information to assets protection decision making.

**APS 495 Applied Assets Protection. (3) A.** Prerequisite: APS senior standing or departmental approval. Senior capstone course which requires synthesis and application of prior course work in assets protection. Development, by each student and/or team, of a comprehensive assets protection program for a specific business or government agency, with oral and written presentation required.

**ART—Art**  
**Edward Hale, Acting Chair**

**ART 098 Introduction to Visual & Performing Arts. (3) A.** An interdisciplinary course in the visual and performing arts, incorporating the study of the relationships between the arts of theater, visual art, and music within their larger cultural context. Students will explore the arts experiences available to them to develop both a personal appreciation and broader understanding of the arts. Meets the KDE Pre-College Curriculum visual and performing arts deficiency, and does not count toward degree credit.

**ART 100 Drawing I. (3) I, II, A.**  
Introduction to basic principles and techniques of drawing, emphasizing perceptual skills and the use of value and line.

**ART 101 Drawing II. (3) I, II, A.**  
Prerequisite: ART 100. Continuation of ART 100, with an emphasis on the human figure as subject matter.

**ART 152 Design, Two-Dimensional. (3) I, II.**  
Introduction to the elements and principles of design as they apply to the two-dimensional surface.

**ART 153 Design, Three-Dimensional. (3) I, II.**  
Introduction to the methods, materials, and concepts related to the control of space.

**ART 164 Concepts of Art and Design. (3) I, II, A.**  
An introduction for Art & Design majors, providing an understanding of why art is made, how it is evaluated, and the ways in which it relates to society. Includes experience in written and oral analysis of art and design work in terms of media, composition and function.

**ART 200 Art Appreciation: Orientation. (3) I, II.** Prerequisite: ENG 101 or ENG 105 or HON 105. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors. Gen. Ed. 07.

**ART 210 Painting I. (3) I, II.** Prerequisites: ART 101, 152, 164. Introduction to painting, emphasizing basic painting techniques and concepts, perceptual skills, and the use of color.

**ART 220 Sculpture Survey I. (3) I, II.**  
Prerequisites: ART 101, 153, 164. Provides an introduction to basic sculpture problems, approaches, and techniques. Course problems are set in additive, substitutive, and subtractive processes.

**ART 230 Printmaking I. (3) I, II.**  
Prerequisites: ART 101, 152, 164. Introduction to basic concepts and techniques of printmaking.

**ART 240 Jewelry and Metalsmithing I. (3) I, II.** Prerequisites: ART 100, 153, 164. Provides an introduction to metal as an expressive media and acquaints students with various materials, techniques and tools associated with the art form. Students explore piercing, sawing, embossing, soldering, simple stone setting, and casting.

**ART 270 Ceramics I. (3) I, II.**  
Prerequisites: ART 100, 153, 164. Introductory experiences with ceramic handbuilding and decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of ceramic objects.

**ART 280 Photography I. (3) I, II.**  
Prerequisites: ART 100, 152, 164. *Fully Manual Camera Required.* Introduction to basic camera operation, darkroom and lighting techniques, principles and aesthetics of black and white photography.

**ART 300 Drawing Media. (3) A.**  
Prerequisite: ART 101. Investigation of various media for drawing, emphasizing experimentation and the development of technical skills in each.

**ART 301 Figure Drawing. (3) A.**  
Prerequisite: ART 101. A drawing course aimed at developing an increased understanding of the human figure and its possibilities as subject matter for art.

**ART 312 Painting II. (3) I, II.** Prerequisite: ART 210 or instructor approval. Continuation of Painting sequence, emphasizing further development of skills and conceptual abilities as they relate to image-making.

**ART 313 Figure Painting. (3) I, II.**  
Prerequisite: ART 312. Painting problems involving the human figure as subject matter.

**ART 314 Painting Media. (3) I, II.**  
Prerequisite: ART 312. An investigation of oils, acrylics, and other painting media, emphasizing experimentation and the development of technical skills. Particular attention is given to the appropriateness of media and technique to imagery and content.

**ART 321 Sculpture Survey II. (3) I, II.**  
Prerequisite: ART 220. Continuation of Sculpture sequence, with basic sculptural problems set in foundry, constructive, and mixed-media processes.

**ART 322 Intermediate Sculpture I. (3) A.**  
Prerequisite: ART 321. Provides an in-depth exploration of sculptural problems at the intermediate level, developed through projects designed to fit personal interests in foundry processes.

**ART 323 Intermediate Sculpture II. (3) A.**  
Prerequisite: ART 321. Provides an in-depth exploration of sculptural problems at the intermediate level, developed through projects designed to fit personal interests in figurative sculpture.

**ART 331 Printmaking II. (3) I, II.**  
Prerequisite: ART 230. Continuation of Printmaking sequence, with emphasis on entaglio and relief printmaking processes.

**ART 332 Printmaking III. (3) I, II.**  
Prerequisite: ART 331. The student will work in a specific area of printmaking concentration.

**ART 333 Printmaking IV. (3) I, II.**  
Prerequisites: ART 332, and admission to the BFA program. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism.

**ART 341 Jewelry and Metalsmithing II. (3) I, II.** Prerequisite: ART 240. An extension of the introductory course. Advanced study develops students' understanding of metal as an art medium and provides opportunity for personal expression. Students explore raising, sinking, forging, casting, etching, enameling and advanced fabrication.

**ART 343 Jewelry and Metalsmithing III. (3) I, II.** Prerequisite: ART 341. An advanced course emphasizing continued creative exploration and personal expression with jewelry and metalsmithing. Students explore raising, sinking, forging, casting, etching, enameling and advanced fabrication.

**ART 344 Jewelry and Metalsmithing IV. (3) I, II.** Prerequisite: ART 343. An advanced course emphasizing continued creative exploration with jewelry and metalsmithing. Advanced problems develop students' understanding of metal as an art medium and provide opportunity for personal expression. Students explore raising, sinking, forging, casting, etching, enameling and advanced fabrication.

**ART 371 Ceramics II. (3) I, II.**  
Prerequisite: ART 270. Introduction into the wheel forming process with clay. Basic formulation of clay and glazes.

**ART 372 Ceramics III. (3) I, II.**  
Prerequisite: ART 371. An exploration into the fundamental structural problems of sculptural ceramic forms. Research into various decorating techniques utilizing clay and glaze.

**ART 376 Ceramics for Non-Majors. (3) A.**  
Prerequisite: none. Closed to Art majors. An introduction to the craft and art of Ceramics for non-Art majors, providing fundamental experiences with materials, handbuilding, decorating techniques, and firing directed toward both aesthetic and functional problem-solving in the making of ceramic objects. Credit earned may eventually be applied to a major in Art with approval of the Department.

**ART 381 Photography II. (3) I, II.**

Prerequisite: ART 280. Intermediate course in photography. Builds on creative skills and techniques learned in previous photography courses. Students may explore conventional, digital and alternative processes.

**ART 382 Photography III. (3) I, II.**

Prerequisite: ART 381. Intermediate course in photography. Builds on creative skills and techniques learned in previous photography courses. Course may cover traditional, digital or alternative processes.

**ART 383 Photography IV. (3) I, II.**

Prerequisite: ART 381. Intermediate course in photography. Builds on creative skills and techniques learned in previous photography courses. Course may cover traditional, digital or alternative processes.

**ART 390 Survey of Art History I. (3) I, II.**

Study of art from prehistoric times through the Gothic period. Gen. Ed. 07.

**ART 391 Survey of Art History II. (3) I, II.**

Study of art from the Renaissance to the present day. Gen. Ed. 07.

**ART 401 Advanced Drawing. (3) A.**

Prerequisites: ART 300 and 301. Advanced problems in drawing emphasizing personal explorations of media and imagery.

**ART 413 Advanced Painting. (3) I, II.**

Prerequisites: ART 313, 314 and admission to the BFA program. Advanced problems in painting, emphasizing the student's personal expression through imagery and techniques.

**ART 414 BFA Painting. (3) I, II.**

Prerequisites: ART 413 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA painting area with emphasis in professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

**ART 423 Advanced Sculpture. (3) I, II.**

Prerequisites: ART 322, 323, and admission to BFA program or departmental approval. The students' sculptural directions are defined and directed at the advanced level, through individually tailored extended projects.

**ART 424 BFA Sculpture. (3) I, II.**

Prerequisites: ART 423 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA sculpture area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

**ART 432 Printmaking V. (3) I, II.**

Prerequisites: ART 333 and admission to the BFA program. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism.

**ART 434 BFA Printmaking. (3) I, II.**

Prerequisites: ART 432 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA printmaking area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

**ART 443 Jewelry and Metalsmithing V. (3)**

**I, II.** Prerequisites: ART 344 and admission to BFA program. Designed for the advanced student pursuing a career as a professional jeweler/metalsmithing. Attention given to developing a personal design philosophy. Students will submit a work proposal for the semester.

**ART 444 BFA Jewelry and Metalsmithing. (3) I, II.**

Prerequisites: ART 443 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA jewelry and metalsmithing area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

**ART 460 Materials Inquiry in Art**

**Education. (3) I.** Prerequisite: open to senior art students who plan to teach. Diversified inquiry into art materials and processes in the elementary and secondary schools.

**ART 463 Problems in Art and Design. (1-3)**

**A.** Prerequisite: approval of proposal by department. Limited to seniors. Continuation of study begun in regular departmental courses. May be retaken to a maximum of nine hours.

**ART 472 Ceramics IV. (3) I, II.**

Prerequisites: ART 372 and admission to the BFA program. An exploration into an independent and personal way of working with clay. Various kiln building and firing techniques will be explored.

**ART 473 Ceramics V. (3) I, II.**

Prerequisite: ART 472. Continued independent work in clay as defined and directed through individual projects.

**ART 474 BFA Ceramics. (3) I, II.**

Prerequisites: ART 473 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA ceramics area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

**ART 483 Photography V. (3) I, II.**

Prerequisites: ART 383 and admission to BFA program or departmental approval. Advanced course which builds on creative skills and techniques learned in previous photography courses. Stresses development of student initiative/personal expression.

**ART 484 BFA Photography. (3) I, II.**

Prerequisites: ART 483 and approval of BFA committee. Corequisite: ART 499. Culminating experience in art photography serving to crystallize and unify individual expression. The student prepares a portfolio and written statement of personal photographic concerns.

**ART 492 Greek and Roman Art. (3) A.**

Prerequisite: ART 390 or instructor approval. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

**ART 493 Medieval Art. (3) A.**

Prerequisite: ART 390 or instructor approval. Development of art in Eastern and Western Europe from 313-1400 A.D.

**ART 496 Nineteenth Century Art. (3) A.**

Prerequisite: ART 391 or departmental approval. Study of major artistic styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

**ART 497 History of Modern Art. (3) A.**

Prerequisite: ART 391 or instructor approval. A specialized study of art and architecture in Europe and America from the late nineteenth to the late twentieth century.

**ART 499 Senior Exhibition. (1) I, II.**

Prerequisite: last semester senior in BFA program. Corequisite: ART 414, 424, 434, 444, 474, or 484; or DES 426 or 454. Organization and presentation of an exhibition of the student's work.

**ART 560 Workshop in Art and**

**Design. (3) A.** Prerequisite: approval of department. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundation will be considered. May be retaken with different topics to a maximum of nine hours.

**ART 562 Seminar in Art Criticism. (3) A.**

Prerequisites: ART 390 and 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

**ART 594 Italian Renaissance Art. (3) A.**

Prerequisite: ART 391 or instructor approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600.

**ART 595 Baroque and Rococo Art. (3) A.**

Prerequisite: ART 391 or instructor approval. A specialized study of the art and architecture of church and state in Europe during the Age of Absolutism, from the late sixteenth to the late eighteenth century.

**ASL—American Sign Language**

**Dr. Kathryn Polmanter, Acting Chair**

**ASL 101 American Sign Language I. (3) I,**

**II.** A functional notional approach to learning beginning American Sign Language (ASL). Development of basic vocabulary, syntax, non-manual markers, and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASL 102 American Sign Language II. (3) I,**

**II.** Prerequisite: ASL 101. The second course in the ASL sequence. Continued development of basic knowledge of and understanding of conversational ASL and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASL 201 American Sign Language III. (3)**

**I, II.** Prerequisites: ASL 101, ASL 102. The third course in the ASL sequence. Development of intermediate expressive and receptive ASL skills and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASL 202 American Sign Language IV. (3) I,**

**II.** Prerequisites: ASL 101, ASL 102, ASL 201. The fourth course in the ASL sequence. Continued development of intermediate expressive and receptive ASL skills and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASL 301 American Sign Language V. (3) I.**

Prerequisites: ASL 101, ASL 102, ASL 201, ASL 202 or permission of instructor. The fifth course in the ASL sequence. Development of advanced expressive and receptive ASL skills and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASL 302 American Sign Language VI. (3)**

**II.** Prerequisites: ASL 101, ASL 102, ASL 201, ASL 202, 301 or permission of instructor. The sixth course in the ASL sequence. Continued development of advanced expressive and receptive ASL skills and cultural features of the language and community. Clinical hours required. Gen. Ed. 03 or 04.

**ASO—Orientation**

**Dr. Andrew Schoolmaster III, Dean**

**ASO 100 Academic Orientation. (1) I.**

An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

**AST—Astronomy**

**TBA, Chair**

**AST 130 Introductory Astronomy. (3) I, II.**

Elementary survey course; study of Moon, Sun, and eclipses; Solar System; near stars and Milky Way. Non-laboratory. Credit will not be awarded to students who have credit for AST 135. Gen. Ed. 15 or 16.

**AST 135 Introductory Astronomy. (3) I, II.**

This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded to students who have credit for AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

**AST 330 Stars, Blackholes: the Cosmos.**

**(3) A.** An introductory survey course for non-science majors directed at studying the origin and evolution of the Universe, of galaxies, and of stars as well as of quasars, pulsars, and Black Holes. Non-laboratory. Gen. Ed. 15 or 16.



**ATR - Athletic Training**  
**Dr. Lonnie Davis, Chair**

**ATR 200 Introduction to Athletic Training.** (2) I. Prerequisite or Corequisite: BIO 271 with a grade of "C" or higher, and Pre-Athletic Training Majors only. For students who are applying for admission to the Athletic Training Education Program. Introduction to professional organizations and issues; instruction and assessment of basic clinical skills necessary for advancement in the profession. 1 Lec/2 Lab.

**ATR 202 Clinical Practicum Level I.** (2) II. Prerequisite: Athletic Training major. First course of clinical practicum to develop professional skills in athletic training.

**ATR 211 Evaluation I.** (4) II. Prerequisite: acceptance into the professional program. Study and development of evaluation techniques with emphasis on the lower extremity and low back. 3 Lec/2 Lab.

**ATR 212 Evaluation II.** (4) I. Prerequisite: ATR 211. Study and development of evaluation techniques with emphasis on the upper extremity, cervical and thoracic spine, head, and abdomen. 3 Lec/2 Lab.

**ATR 301 Clinical Practicum Level II.** (3) I. Prerequisite: ATR 202. Second course of clinical practicum to develop professional skills in athletic training.

**ATR 302 Clinical Practicum Level II.** (3) II. Prerequisite: ATR 301. Third course of clinical practicum to develop professional skills in athletic training.

**ATR 311 Therapeutic Modalities.** (4) I. Prerequisite: ATR 211. Study and practice related to physical effects, indications, and contraindications of therapeutic modalities. 3 Lec/2 Lab.

**ATR 312 Therapeutic Exercise.** (4) II. Prerequisite: ATR 311. Study and development of therapeutic exercise programs. Emphasis on understanding the influence of the pathological status of a tissue on its response to various types of activity. 3 Lec/2 Lab.

**ATR 322 Therapeutic Interventions.** (4) II. Prerequisite: ATR 311. Study of the principles of pharmacology and psychosocial intervention with respect to injury and rehabilitation.

**ATR 401 Clinical Practicum Level III.** (4) I. Prerequisite: ATR 302. Fourth course of clinical practicum to develop professional skills in athletic training.

**ATR 402 Clinical Practicum Level III.** (4) II. Prerequisite: ATR 401. Fifth course of clinical practicum to develop professional skills in athletic training.

**ATR 411 General Medical.** (3) I. Prerequisite: ATR 322. Study of general medical conditions and disabilities.

**ATR 412 Organization and Administration.** (3) II. Prerequisite: ATR 411. Study of concepts of healthcare organization and administration relative to athletic training.

**ATR 421 Senior Seminar.** (2) I. Prerequisite: ATR 312. Integration and application of athletic training clinical skills and knowledge.

**AVN—Aviation**  
**Dr. William E. Davis, Chair**

**AVN 150 Introduction to Aviation.** (3) A. An introductory course specifically designed for students to obtain a broad understanding of the aviation world including varying aspects of space exploration. Includes a study of aviation history and the general aviation environment.

**AVN 192 Professional Aeronautics.** (5) A. An introduction to flying designed to provide all aeronautical information necessary to successfully complete the FAA written examination for private pilots. An integrated lecture and laboratory effort in which simulators and actual aircraft may be used.

**AVN 194A Private Pilot.** (1) A. Prerequisite or Corequisite: AVN 192 with a grade of "C" or better, and an overall GPA of 2.0. This course consists of the dual and solo flight hours and experiences required for the private pilot certification with the Federal Aviation Administration.

**AVN 201A-202A-203A-204A Intermediate Supervised Flight I, II, III, IV.** (.5 each) A. These courses are designed to permit students holding the private pilot license (AVN 192A/193A) to acquire additional supervised flight time. These courses include approximately 12 flight hours each.

**AVN 205A Intermediate Supervised Flight I.** (1) A. Prerequisites: private pilot license and an overall GPA of 2.0. This course is designed to permit students holding the private pilot license (AVN 194A) to acquire additional supervised flight time. This course includes approximately 24 flight hours.

**AVN 206A Intermediate Supervised Flight II.** (1) A. Prerequisite: private pilot license. Prerequisite or Corequisite: AVN 205A and an overall GPA of 2.0. This course is designed to permit students holding the private pilot license (AVN 194A) to acquire additional supervised flight time. This course includes approximately 24 flight hours.

**AVN 220 Instrument Pilot: Ground.** (3) A. Prerequisites: AVN 192, 192A/193A with a "C" or better or equivalents. This course is designed to be integrated with AVN 220A and includes studies of aircraft operations under instrument conditions inclusive of the rules and regulations governing non-visual flight.

**AVN 220A Instrument Pilot: Flight.** (1) A. Prerequisites: AVN 192, 192A/193A with a "C" or better, or equivalent inclusive of a private pilot license, AVN 220 with a "C" or better, and a minimum of 40 hours of cross-country flight time as pilot-in-command; or coordinator approval. A laboratory course integrated with AVN 220.

**AVN 225A-226A-227A-228A Advanced Supervised Flight I, II, III, IV.** (.5 each) A. Prerequisites: private pilot license and instrument rating (or equivalents). Laboratory courses designed to permit students sequential flight time leading toward acquisition of a FAA Commercial Rating. Each of these courses require approximately 12 hours of flight, some of which is in a high performance aircraft.

**AVN 229A Advanced Supervised Flight I.** (1) A. Prerequisites: private pilot license, instrument rating, and an overall GPA of 2.0. This course is designed to permit students flight training and experience for FAA Commercial Pilot License.

**AVN 230A Advanced Supervised Flight II.** (1) A. Prerequisites: private pilot license and instrument rating. Prerequisite or Corequisite: AVN 229A and an overall GPA of 2.0. This course is designed to permit students flight training and experience for FAA Commercial Pilot License.

**AVN 300 Commercial Pilot: Ground.** (2) A. Prerequisites: AVN 192, 192A/193A, 220, and 220A with a "C" or better in each course or equivalents. The course consists of instruction emphasizing airplane operating procedures, proper airplane flight control, air and ground safety, traffic control procedures, commercial flight maneuvers, national airspace systems, terminal and en route charts, navigation procedures and communications.

**AVN 300A Commercial Pilot: Flight.** (1) A. Prerequisites: AVN 192, 220, 300, and a private pilot license (AVN 192A/193A with a "C" or better); or coordinator approval. A one hour laboratory course taught with AVN 300. The course consists of all or part of the dual and solo flight hours required for FAA commercial pilot certification.

**AVN 310 Flight Training Analysis I.** (4) A. Prerequisite: AVN 300 with a grade of "C" or better. A study of basic information regarding fundamentals of teaching and learning (including effective teaching methods), aerodynamics helpful to flight instruction, and flight instructor responsibilities.

**AVN 310A Flight Training Techniques I.** (1) A. Prerequisites: appropriate flight credentials, AVN

310 with a grade of "C" or better, an overall GPA of 2.0, or coordinator approval. Flight training to prepare students for FAA examinations.

**AVN 315 Human Factors In Flight Safety.** (3) I, II. A presentation and analysis of factors and procedures relating to aviation safety inclusive of techniques for accident prevention, development of safety programs, procedures used in accident investigation, and the human factor.

**AVN 320 Flight Training Analysis II.** (2) A. Prerequisite: appropriate flight credentials. A study of aeronautical information and instructional background necessary for becoming instrument flight instructors. Included in the course is teaching methodology, instrument interpretations, and instrument flight procedures.

**AVN 320A Flight Training Techniques II.** (1) A. Prerequisites: appropriate flight credentials, AVN 320 with a grade of "C" or better, an overall GPA of 2.0, or coordinator approval. Flight training preparation for the FAA flight test

**AVN 325 Aircraft Systems.** (3) I, II. A study of electrical, mechanical and hydraulic systems, design and performance standards, capabilities and limitations, and conformance to FAA specifications.

**AVN 335 Weather Reporting/Analysis.** (3) I, II. A comprehensive analysis of weather conditions and patterns as they apply to flight.

**AVN 340 Airport Administration.** (3) I, II. Prerequisite: AVN 150 or 192 with a "C" or better. A study of guidelines for aviation management and administrative functions including problems, trends, and planning regarding operation of airports.

**AVN 349 Applied Learning in Aviation.** (1-8) A. Prerequisite: coordinator approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

**AVN 349 A-H Cooperative Study: Aviation.** (1-8) A. Prerequisite: coordinator approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

**AVN 350 Air Transportation.** (3) I, II. Prerequisite: junior or senior standing (completion of a minimum of 60 semester hours). A survey of the historical development of the air transportation system covering facilities, impact of regulations, problems encountered, and future requirements.

**AVN 360 Problems In Aviation Administration.** (3) I, II. Designed for utilization of aviation industry case studies to introduce the techniques, methods, and procedures for problem solving.

**AVN 365 Airline Reservation Systems.** (3) A. This course uses lecture and computer simulation to develop student proficiency in operation of reservation systems used by major airlines. The systems are used for passenger booking, hotel reservation, automobile rentals and packaged tours.

**AVN 370 Techniques: Aviation Supervisors.** (3) I, II. A study of effective personnel management theory through application to practical situations in the aviation industry.

**AVN 390 Aviation Administration Decision Making.** (3) I, II. A study of decision theory and its application to aviation administration decision-making and problem solving processes.

**AVN 400 Multi-Engine Pilot: Ground.** (1) A. Prerequisite: appropriate flight credentials. The course is designed to provide appropriate aeronautical knowledge about multi-engine aircraft to facilitate successful completion of the multi-engine flight component.

**AVN 400A Multi-Engine Pilot: Flight.** (1) A. Prerequisite or Corequisite: AVN 400 with a "C" or better and appropriate flight credentials. A one hour laboratory course integrated with AVN 400 consisting of the dual and solo flight hours required for FAA certification.



**AVN 401 Airline Management. (3) A.**  
Prerequisite: MGT 301 with a "C" or better.  
Acquaint student with the development, administrative and operational factors peculiar to commuter aviation. Emphasis is placed on proper market analysis, financial matters, the company plan, aircraft selection, aircraft acquisition, route structure, timetable and pertinent regulatory requirements.

**AVN 402 Corporate and Business Aviation. (3) A.** The study of the operation of a corporate flight department. Course includes the value of management mobility, aircraft and equipment evaluation, maintenance, flight operations, administration and fiscal considerations.

**AVN 410 Air Traffic Control. (3) I, II.** A study of the national air traffic control system with emphasis on basic air traffic control procedures; the role of centers, approach control, towers, and flight service centers; communications; navigation procedures, radar operations, facilities.

**AVN 420 Flight Training Analysis III. (2) A.** Prerequisite: appropriate flight credentials. Principles and methodology of teaching multi-engine flight and includes ground instruction required by the FAA in preparation for a flight instructor multi-engine rating.

**AVN 420A Flight Training Techniques III. (1) A.** Prerequisites: appropriate flight credentials, AVN 420 with a grade of "C" or better, an overall GPA of 2.0, or coordinator approval. Flight preparation for FAA CFI Multi-Engine flight test.

**AVN 425 Advanced Aerodynamics. (3) A.** Prerequisites: PHY 131 and 132. Advanced theories of flight and flight factors as well as advanced principles of performance.

**AVN 435 Turbine Aircraft Systems. (2) A.** Prerequisite: AVN 325 with a "C" or better or instructor approval. A study of electrical, mechanical and hydraulic systems as they relate to turbine engine aircraft.

**AVN 460 Aviation Legislation. (3) I, II.** Prerequisite: AVN 150 or AVN 192 with a "C" or better; or coordinator approval. A study of civil law as it pertains to aviation and includes the historic development of United States and international aviation law while surveying governmental responsibility for aviation accidents.

**AVN 470 National Air Space System. (3) A.** An overview of the National Air Space System with emphasis on problems of implementation, safety considerations, and social/economic impact.

**AVN 495 Internship. (1-3) A.** Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in aviation activities.

**AVN 498 Independent Study. (1-3) A.** Prerequisite: AVN major with senior standing. Student must have the independent study proposal form approved by faculty supervisor and program coordinator prior to enrollment. May be retaken to a maximum of six hours.

**BEM—Broadcasting and Electronic Media**  
**Dr. Renee Everett, Chair**

**BEM 225 Introduction to Electronic Media. (3) I, II.** Survey of the electronic communications industry. Historical development, technical operations, programming and production techniques, as well as job opportunities, responsibilities, and industry codes.

**BEM 240 Audio Production. (3) I, II.** Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, audio editing, and operational regulations.

**BEM 295 Video Production I. (4) I, II.** Training in non-studio video production and editing. Includes applied aesthetics and production of dramatic informational or experimental work on video. Introduction to techniques, styles, and image

structure. Requires weekly projects, critiques, 3 Lec/3 Lab.

**BEM 300 Performance in Electronic Media. (3) I, II.** Prerequisite: BEM 240. Study of the announcer's role in electronic media. Stresses practice in performing areas, including radio and television production, microphone and television camera techniques with an added emphasis on phonetics and pronunciation.

**BEM 340 Advanced Audio Production. (3) A.** Prerequisite: BEM 240. Program functions in radio communications, including the planning, production, and direction of more complex programs. Uses original ideas and methods in documentary and studio productions.

**BEM 343 Audio Practicum. (1-3) I, II.** Prerequisite: BEM 240. Supervised practical experience on the staff of a radio or other audio facility. May be taken to a maximum of three hours. One hour may be counted toward the major.

**BEM 349 Applied Learning in Broadcasting and the Electronic Media. (1-8) A.** Prerequisites: junior standing. "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. One hour may be used to satisfy major requirements within the department.

**BEM 349 A-II Cooperative Study: Broadcasting and the Electronic Media. (1-8) A.** Prerequisites: junior standing. "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. One hour may be used to satisfy major requirements within the department.

**BEM 370 Electronic Cinema Production. (4) I, II.** Principles and procedures behind single-camera dramatic productions recorded and edited on videotape. Requires group and individual portfolio projects involving a critical and artistic understanding of sound-image relationships. Includes multi-camera production, directing and producing. 3 Lec/3 Lab.

**BEM 373 Electronic Cinema Practicum. (1-3) I, II.** Prerequisite: BEM 370. Supervised practical experience in film making, editing, and other aspects of film-style production. May be retaken to a maximum of three hours. One hour may be counted toward the major.

**BEM 375 Writing for the Electronic Media. (3) I, II.** Prerequisites: ENG 101 and 102 (or 105). Examination of the specialized forms of writing for the electronic media. Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and promotional copy.

**BEM 395 Video Production II. (4) I, II.** Prerequisite: BEM 295. Training on and mastery of advanced production and post production equipment. Requires group and individual portfolio projects involving a critical and artistic understanding of sound-image relationships. Includes multi-camera production, directing and producing.

**BEM 398 Electronic Video Practicum. (1-3) I, II.** Prerequisite: BEM 295. Supervised practical experience on the staff of a television station or other video facility. May be taken to a maximum of three hours. One hour may be counted toward the major.

**BEM 401 Broadcast News. (3) A.** Prerequisites: COM 201 and BEM 295. Introduces television news production. Designed to acquaint students with techniques, principles and equipment used in broadcast journalism; emphasizes writing, field reporting and editing; evaluation of commercial station newscasts; individual and team projects.

**BEM 402 Advanced Broadcast News. (3) A.** Prerequisite: BEM 401. Advanced study in broadcast journalism. Planning, gathering, writing, editing and producing news for television; critical evaluation of broadcast news techniques; individual and team projects.

**BEM 410 Electronic Media Programming. (3) A.** Prerequisite: COM 200. Interrelationships of programs and audiences. Analysis of audience and program research as well as individual program formats. Study of procedures for developing station-cable schedules.

**BEM 415 Regulation and Responsibility. (3) A.** Prerequisite: COM 200. Theoretical course dealing with social, political, legal, economic, and ethical influences on American broadcasting and Electronic Media.

**BEM 425 Electronic Media Management. (3) A.** Prerequisite: COM 200. Study of the successful operation of radio and television stations and cable systems. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

**BEM 440 Survey of Cable TV Industry. (3) A.** Prerequisite: COM 200. A study of the cable television industry including development, regulations, franchising, programming, local access, marketing, and cable's role and function in society.

**BEM 495 Video Production III. (4) I, II.** Prerequisite: BEM 395 or 370. Advanced study of video production and direction, combining studio and field work. Includes writing program proposals, scripts, and shooting schedules. Programs produced outside normal class hours. 3 Lec/3 Lab.

**BIO—Biology**  
**Dr. Barbara Ramey, Chair**

**BIO 100 Introductory Biology. (3) I, II.** The course will deal with introductory principles of biology that are fundamental to an individual's knowledge as it pertains to the interrelationships of organisms in the natural world. Topics to be addressed: cellular basis of life, metabolism, genetics, biological diversity, reproduction, evolution, ecology, and environmental biology. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for NAT 101. 2 Lec/2 Lab. Gen. Ed. 13.

**BIO 102 Inquiry Biology for Teachers. (3) I, II.** Prerequisite: pre-teaching or teaching elementary and middle school education majors only or departmental approval. An inquiry-based, conceptual-approach biological sciences course for teaching majors. Topics include the nature of science, cell biology, biodiversity, inheritance, ecology and ecosystems, evolution and adaptation. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for NAT 101 or BIO 100. 2 Lec/2 Lab. Gen. Ed. 13.

**BIO 121 Principles of Biology. (4) I, II.** The study of life and its processes: cellular structure and function; reproduction and development; genetics, evolution and ecological principles. A course designed for biology majors. 3 Lec/2 Lab. Gen. Ed. 13.

**BIO 131 General Botany. (4) I, II.** Prerequisite: BIO 121. Structure and functions of vascular plants; morphology, classification, life histories, ecology and evolution of autotrophs, plantlike protists, and fungi. 3 Lec/3 Lab.

**BIO 141 General Zoology. (4) I, II.** Prerequisite: BIO 121. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals. 3 Lec/3 Lab.

**BIO 171 Human Anatomy. (3) I, II.** A study of the basic anatomy of the human body and appropriate correlations with body functions. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab. Gen. Ed. 13.

**BIO 271 Advanced Human Anatomy. (3)**

**II.** Prerequisites: BIO 171 and departmental approval. An advanced study of human anatomy. Emphasis is placed on the musculoskeletal and nervous systems and their anatomical and functional relationships. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab.

**BIO 273 Clinical Microbiology. (4) I, II.** Prerequisite: BIO 171. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic and epidemiological considerations. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for CLT 209. 2 Lec/4 Lab.

**BIO 300 Economic Plants. (3) I, II.** Economic consideration of plants as sources of food, medicine, and other products; the origin, domestication, general anatomy and culture of plants; deleterious plants; aspects of aesthetics and effect on society and world events. May not be used to satisfy area, major, or minor requirements, except the biology (teaching) major and minor. Gen. Ed. 15 or 16.

**BIO 301 Human Physiology. (3) I, II.** Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16 and Gen. Ed. 13 with BIO 378.

**BIO 303 Human Heredity and Society. (3) I, II.** Inheritance of human traits, including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. A current background in general biology (BIO 100 or NAT 101) is recommended but not required. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16.

**BIO 304 Birds of Kentucky. (3) A.** Popular consideration of birds of the eastern and central United States with emphasis on birds of Kentucky and especially birds of the local area. Field trips required. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

**BIO 310 Biology of Aging. (3) A.** Prerequisite: BIO 100 or NAT 101 or BIO 171 or instructor approval. System by system approach to the biological effects of the aging process on the human body. May not be used to satisfy area, major, or minor requirements in the Department of Biological Sciences. Gen. Ed. 15 or 16.

**BIO 315 Genetics. (4) I, II.** Prerequisite: BIO 121 or departmental approval. Discussion of Mendelian genetics, molecular genetics, genetic mapping, and population genetics. Emphasis on critical thinking skills and logic through experimental analysis. Laboratory will include experimental manipulation of prokaryotic and eukaryotic organisms. 3 Lec/3 Lab.

**BIO 316 Ecology. (4) I, II.** Prerequisite: BIO 131 or 141. Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environments. 2 Lec/4 Lab.

**BIO 317 Conservation of Wildlife Resources. (3) I, II.** Introduction to the principles and practices of conservation of plants and animals; requirements and values of wildlife resources; impact of human activities on resources. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16.

**BIO 320 Principles of Microbiology. (4) I, II.** Prerequisites: BIO 121 and CHE 112; or departmental approval. A study of bacteria and other microorganisms, their morphology, development and function; techniques of isolation, cultivation and identification; physiology, nutrition, and genetics; role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

**BIO 328 Plant Physiology. (4) II.**

Prerequisites: BIO 131 and CHE 112; or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

**BIO 331 Cell Biology. (3) I.** Prerequisites: BIO 121 and CHE 112. An introduction to the structure and function of plant and animal cells, with emphasis on the structure and function of cell organelles. An overview of molecular techniques used in the study of cellular metabolism.

**BIO 335 Plant Systematics. (3) II.** Prerequisite: BIO 131. Identification, classification and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

**BIO 340 Marine Biology. (3) II.** Prerequisite: instructor approval. To develop an understanding of marine organisms, the course will include an extended field trip to a marine ecosystem and will involve collection, identification, study of the ecology and life histories of marine organisms. 2 Lec/3 Lab.

**BIO 342 Comparative Vertebrate Anatomy. (4) I.** Prerequisite: BIO 141. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals based principally on the dogfish, *Necturus*, and cat. 2 Lec/4 Lab.

**BIO 348 Animal Physiology. (4) I, II.** Prerequisites: BIO 121 and CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization, in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

**BIO 349 Applied Learning in Biology. (1-8) A.** Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements.

**BIO 349 A-H Cooperative Study: Biology. (1-8) A.** Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements.

**BIO 371 Neuroanatomy. (3) I, II.** Prerequisite: BIO 171 or instructor approval. Anatomy of the nervous system and the relationships to functions of systems of the human body. May not be used to satisfy area, major, or minor requirements in the Department of Biological Sciences. 2 Lec/2 Lab.

**BIO 378 Human Physiology Laboratory. (1) I, II.** Prerequisite or Corequisite: BIO 301. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes of animals as these relate to human physiology. May not be used to satisfy area, major, or minor requirements. 2 Lab. Gen. Ed. 13 with BIO 301.

**BIO 380 Wildlife Law Enforcement. (3) A.** Introduction to concepts of wildlife management and their application to wildlife law enforcement. State and federal wildlife law enforcement agencies will be discussed.

**BIO 381 Principles of Wildlife Management. (3) I.** Basic principles of wildlife management and their application to current management issues.

**BIO 382 Wildlife Population Analysis. (4) I.** Population ecology of vertebrates, with a focus on field methods and analysis of data applicable to wildlife conservation. Recommend BIO 316 and 381 prior to or concurrent with enrollment. 2 Lec/4 Lab.

**BIO 399 Trends in The Biological Sciences. (1-4) A.** Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be retaken to a maximum of six hours. Gen. Ed. 15 or 16.

**BIO 489 Field Studies in Wildlife. (1-3) A.** Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year. May be retaken to a maximum of three hours.

**BIO 490 Biology Seminar. (1) I, II.** Prerequisite: junior or senior standing in biology. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

**BIO 510 Biostatistics. (3) I.** Prerequisite: MAT 107 or instructor approval. Statistical analysis of biological data. Students participate in the taking and processing of data by the use of well-established statistical techniques. 2 Lec/2 Lab-Disc.

**BIO 511 Experimental Approaches in Molecular Biology. (3) I.** Prerequisite: BIO 121. Laboratory experience-based course in molecular biology techniques. Subject will be introduced in a lecture setting and practical laboratory training. Techniques will include PCR-based methodologies; immunological approaches; basic protein and nucleic acid manipulations. 1 Lec/4 Lab.

**BIO 514 Evolution. (3) I, II.** Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

**BIO 521 Plant Ecology. (3) A.** Prerequisite: BIO 131, 335 or instructor approval. Ecological concepts and principles relevant to plant populations and communities. Emphasis on flora and vegetation of Eastern United States with field trip through the Southern Appalachians.

**BIO 522 Grasses and Grasslands. (3) I.** Prerequisite: instructor approval. Development and composition of grasslands; phylogeny, classification, and identification of grasses. Emphasis on North American grasses and grasslands with field trips to native and managed grasslands. 1 Lec/4 Lab.

**BIO 525 Aquatic and Wetland Plants. (3) A.** Prerequisite: BIO 131. Collection, systematics, distribution, ecology, and reproduction of aquatic and wetland vascular plants. 1 Lec/4 Lab.

**BIO 527 Immunology. (3) A.** Prerequisites: BIO 320 and CHE 361; or instructor approval. Characteristics of immune reactions at the molecular level and *in vivo*. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

**BIO 528 Virology. (3) A.** Prerequisite: BIO 320. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry. Viral related areas of immunology, cell culture procedures, and applications will be introduced. 2 Lec/3 Lab.

**BIO 529 Microbiology in Everyday Life. (3) I, II.** Prerequisite: BIO 100, 102 or 121 or departmental approval. Microbes in medicine, agriculture, and industry; emphasis on teaching microbiology in the classroom. Course open only to Biology-Teaching or Education majors. 3 Lec/1 Lab.

**BIO 530 Microbial Physiology and Genetics. (3) A.** Prerequisites: BIO 315, 320, and CHE 361; or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effects of chemical and physical environments upon microorganisms in their habitats, with emphasis upon microbes of economic, human, and industrial importance.



**BIO 531 Principles of Molecular Biology I.** (4) A. Prerequisites: BIO 315, CHE 361, and 366; or instructor approval. An in-depth study of the structure, function, and biochemistry of nucleic acids and proteins. Laboratory experiences will involve manipulations of DNA and protein molecules for the purpose of isolation, purification, and structural modification. 2 Lec/4 Lab.

**BIO 532 Conservation Biology.** (3) L. Prerequisite: BIO 316 or instructor approval. Examination of principles and practices of conserving global biological diversity. Causes, consequences and rates of extinction. Application of philosophical, biological, sociological, and legal principles to the conservation of genes, species and ecosystems.

**BIO 536 Dendrology.** (3) I. Prerequisite: BIO 131 or instructor approval. Woody plant taxonomy with emphasis on field identification of trees and shrubs in summer and winter conditions; habitats and distributions; economic importance; forest regions of North America. 1 Lec/4 Lab.

**BIO 542 Freshwater Invertebrates.** (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of freshwater invertebrates. 2 Lec/3 Lab.

**BIO 546 Histology.** (4) II. Prerequisite: BIO 121. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

**BIO 547 Comparative Vertebrate Embryology.** (4) II. Prerequisite: BIO 121. Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

**BIO 550 Animal Behavior.** (4) A. Prerequisite: BIO 121. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

**BIO 553 Mammalogy.** (3) A. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab. BIO 316 or 342 recommended prior to enrollment.

**BIO 554 Ornithology.** (3) A. Prerequisite: BIO 121 or departmental approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

**BIO 555 Behavioral Ecology.** (3) A. Prerequisite: BIO 316 or instructor approval. How behavior is influenced by natural selection in relation to ecological conditions. Emphasis on quantitative and experimental methods and on integrating theoretical ideas with field and laboratory evidence.

**BIO 556 Herpetology.** (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and food habits. 2 Lec/3 Lab.

**BIO 557 Ichthyology.** (3) A. Prerequisite: BIO 141. A phylogenetic examination of morphological, ecological, and behavioral diversification of fishes of the world, with special attention to the Appalachian fauna. Laboratory devoted to anatomy, identification, and reproductive strategies. 2 Lec/4 Lab.

**BIO 558 Freshwater Ecology.** (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors. To include a variety of methods and instruments. 2 Lec/3 Lab-Disc.

**BIO 561 Fisheries Biology.** (3) A. Prerequisite: BIO 141. Methods for assessment and analysis of fish populations and aquatic habitats, including age and growth, fecundity, food habits, and yield. Emphasis on economic and ecological importance of management decisions. 2 Lec/4 Lab.

**BIO 584 Upland Wildlife Management.** (4) A. Prerequisite: BIO 381 or departmental approval. Ecological principles and management strategies to preserve and enhance forest and grassland wildlife and their habitats.

**BIO 585 Wildlife Resource Policy and Administration.** (3) A. Discussion of state, regional, national, and international policies and agencies which impact management of wildlife resources; with emphasis in North America. BIO 381 recommended prior to enrollment.

**BIO 586 Wetland Wildlife Management.** (4) II. Ecology and management of migratory and resident wetland wildlife populations and their habitats, with a focus on waterfowl. Recommend BIO 316 and 381 prior to enrollment. 2 Lec/4 Lab.

**BIO 587 Urban Wildlife Management.** (3) A. The strategies employed to manage urban wildlife and prevent/control animal damage in North America will be discussed.

**BIO 598 Special Problems. (1-3) I, II.** Prerequisites: junior or senior standing; students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

**BIO 599 Topics in Biological Sciences.** (1-6) A. Prerequisites: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours.

#### **BTO—Business and Technology Orientation** **Dr. Robert Rogow, Dean**

**BTO 100 Academic Orientation. (1) I, II.** Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

#### **CAH—Arts and Sciences Interdisciplinary** **Dr. Andrew Schoolmaster III, Dean**

**CAH 515 Topics in Humanities: \_\_\_\_.** (1-3) A. An experimental course designed to investigate relevant topics in Arts and Humanities.

#### **CCT—Corporate Communication and Technology** **Dr. Norb Elbert, Chair**

**CCT 101 Introduction to Business. (3) I, II.** Formerly ACS 101. A survey of business organizations, the economic environment, business ownership, and the functions of business. For pre-business and nonbusiness majors.

**CCT 106 Electronic Data Input. (1) I, II.** Formerly ACS 106. Development of basic touch keyboarding skills for using computers; introduction to formatting memorandums and letters. Students who have basic keyboarding skills may be able to test out of this course.

**CCT 107 Intermediate Keyboarding. (3) I, II.** Formerly ACS 107. Continued emphasis on speed and accuracy building; increased emphasis on business letters, manuscripts, reports, text editing, and formatting.

**CCT 200 Word Processing Applications.** (3) A. Formerly ACS 200. Development of basic word processing skills using computers. Emphasis on document building, text editing, formatting, saving and retrieving files, search, replace, and the columns feature.

**CCT 201 Business Communication. (3) I, II.** Formerly ACS 201. Prerequisites: ENG 101 and 102 (or 105). Principles and practices of modern business communication; various types of business letters and reports are studied; emphasis on writing letters and reports. Gen. Ed. 03.

**CCT 210 International Business Communication. (3) A.** Formerly ACS 210. Prerequisites: ENG 101 and 102 (or 105). Characteristics of cultural differences that alter communication symbols and meanings for international business activity. Topics include culture profiles and conducting business, business protocol, international documents/U.S. documents, negotiation strategies, and oral presentations to intercultural business audiences.

**CCT 240 Records Management. (3) A.** Formerly ACS 240. Creation, classification, retention, protection, and disposal of records; filing systems, procedures, and equipment; effects of technology on information management; facilities layout; records personnel administration; records control.

**CCT 250 Integrated Office Software. (3) A.** Formerly ACS 250. Prerequisite: CCT 200. Introduction to integrated office software applications.

**CCT 254 Business and Office Calculations. (3) A.** Formerly ACS 254. Development of competency in business computations such as bank and sales records, discounts, commissions, markups, credit charges, payroll, taxes, depreciation, insurance, stocks, bonds, interest, and present value.

**CCT 280 Office Procedures and Administration. (3) A.** Formerly ACS 280. Procedures, technologies, human relations, and services of modern, dynamic offices.

**CCT 290 Office Systems Applications. (3) I, II.** Formerly ACS 290. Prerequisite: CIS 212 or CCT 250. Emphasis on advanced applications of integrated office software as productivity tools. Credit will not be awarded to students who have credit for CIS 230.

**CCT 300 Managerial Reports. (3) I, II.** Formerly ACS 300. Prerequisites: ENG 101 and 102 (or 105). ACC 201, 202 and ECO 230 with a grade of "C-" or better in each course; Junior Standing (A minimum of 60 hours) with an overall minimum 2.0 GPA. Applications of communication theory, research methods, and information technology to communication within organizations. Includes common communication tasks faced by managers; communication task and audience analysis; collecting, organizing, analyzing, and interpreting data. Emphasizes written and oral reporting.

**CCT 302 Desktop Publishing for the Business Office. (3) I, II.** Formerly ACS 302. Prerequisite: CCT 200 or 250 or CIS 212. Development of business document design techniques using Windows and desktop publishing.

**CCT 303 Office Systems Management and Support. (3) A.** Formerly ACS 303. Prerequisite: CCT 200 or 250 or CIS 212 or CSC 104. Provides opportunities for students to study, understand, and experience a wide range of activities appropriate for modern office operations. Refinement and application of skills and knowledge for effective and efficient management of office systems and technology.

**CCT 340 Office Systems Planning. (3) A.** Formerly ACS 340. Prerequisite: CCT 250. Office systems planning emphasizes work group interaction and implementation process, tactics, and strategies. Involves applications through case or field-based projects. Office systems productivity assessment; inter-group needs related to end-user, departmental, divisional, and organizational goals.

**CCT 349 Applied Learning in Corporate Communication and Technology. (1-3) A.** Formerly ACS 349. Prerequisites: GPA of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.



**CCT 349 A-H Cooperative Study: Corporate Communication and Technology. (1-3) A.** Formerly ACS 349 A-H. Prerequisites: GPA of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.

**CCT 460 Corporate Communication and Technology Internship. (2-4) A.** Formerly ACS 460. Prerequisites: GPA of 2.25; CCT 201, 300.

Internship experiences appropriate for the student's major. Enrollment is limited to students with CCT majors in the department of Information Systems.

**CCT 490 Special Problems in Corporate Communication and Technology. (1-4) A.** Formerly ACS 490. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special topics, or seminars. Students must have the independent study proposal form approved by department chair prior to enrollment.

**CCT 520 Corporate Training. (3) A.** Formerly ACS 520. Prerequisite: 90 credit hours completed. This course applies theories of learning and instructional development to office systems employee education and skills training. Topics include instructional design; strategy; technology; and the implementation, evaluation, and management of training in an organizational environment.

**CCT 550 Managerial Communication Seminar. (3) A.** Formerly ACS 550. Prerequisite: senior or graduate standing. Course which applies business competencies and emphasizes analysis, application, and integration of communication processes, methods, media, and strategies in managerial decision making.

**CCT 570 Web Design for Offices. (3) A.** Formerly ACS 570. Prerequisites: CCT 250 or CIS 212 or CSC 104. Advanced development of business document design techniques with an emphasis on web design and multi-media resources. Geared for education, small offices or businesses, personal use, and not-for-profit organizations.

**CCT 580 Office Technology Seminar. (3) A.** Formerly ACS 580. Prerequisites: CCT 250 or CSC 104 or CIS 212 and CCT 300 or CCT 201, 90 credit hours completed. This capstone course requires synthesis and applications of concepts related to current office systems topics.

**CDF—Child and Family Studies**  
Dr. Diane Leggett, Chair

**CDF 132 Introduction to the Family. (3) I, II.** Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded to students who have credit for SOC 245.

**CDF 210 Special Topics in Early Childhood Education: \_\_\_\_\_. (1-3) A.** Selected topics in child development and early childhood program planning. May be retaken to a maximum of six hours provided topics vary.

**CDF 232 Identity and Sexuality. (3) I, II.** An exploration of the changing attitudes about and among men/women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development. Credit will not be awarded to students who have credit for HEA 375.

**CDF 241 Prenatal and Infant Development. (3) I, II.** Growth and development from conception to three years.

**CDF 243 Introduction to Community-Based Family Involvement. (3) II.** Prerequisite: CDF 132. Survey of theories and models related to community-based family involvement. Examination of community programs which focus on forming

partnerships with families to support child development and family well-being.

**CDF 244 Development of Preschool Child. (3) I, II.** Age level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies. 20 hours of observation.

**CDF 247 Family Involvement with Young Children. (3) I, II.** Prerequisite: CDF 345 or department approval. Study of effective home-school relationships during the early childhood period. Methods and materials useful in working with families. Experiences include family meetings, planning discussion groups, home visits, and parent conferences.

**CDF 248 Introduction to Early Childhood Experiences. (3) I.** Examination of models of preschool education including history, goals, philosophies, materials, environments, and methods of child guidance. Serves as preparation for practical experience in early childhood setting. Reflection upon personal dispositions for teaching young children.

**CDF 331 Marriage and Intimate Relationships. (3) I.** The process within and types of intimate relationships in contemporary times. Topics include singlehood, partner selection, marriage, divorce, remarriage, long-term enduring marriage, and factors which affect the success of intimate relationships.

**CDF 334 Adult-Child Interaction. (3) A.** Prerequisites: CDF 132, 241, and 244 or equivalent; or department approval. A survey of effective techniques for guidance and support of children's development. Types of adult resources and their role in adult-child interactions are explored.

**CDF 342 Child and Adolescent Development. (3) II.** Physical, mental, emotional, and social development of the child from school age to adolescence, case studies, observations, and participation experiences with children culturally advantaged and disadvantaged.

**CDF 344 Program Planning for Infants and Toddlers. (3) I, II.** Prerequisite: CDF 241. Planning, implementation, and evaluation of developmentally and culturally appropriate environments for infants and toddlers. Emphasis is placed on the caregiver-infant relationship, developmental assessment, laboratory and field experiences, and environmental adaptations for special needs.

**CDF 345 Program Planning for Young Children. (3) I, II.** Prerequisite: CDF 244 or department approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children.

**CDF 346 Play-Based Assessment for Early Childhood Program Planning. (3) II.** Prerequisites: CDF 244 and 345; or department approval. Overview of play-based assessment and examination of tools emphasizing a transdisciplinary approach. Use of information collected from screening and arena-based assessment for program planning in center and home based settings.

**CDF 349 Applied Learning in Child Development. (1-8) A.** Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

**CDF 349 A-II Cooperative Study: Child Development. (1-8) A.** Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of

80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

**CDF 350 Early Childhood Practicum. (6) I, II.** Prerequisites: CDF 247, 248 and 345; 2.5 cumulative GPA, and minimum grade of "C" in all courses with a CDF prefix. Practicum focusing on designing and equipping the environment, implementing learning experiences, developing strategies for guiding young children, and arranging effective communication for family involvement. Meetings for collaborative planning and reflective discussion to make program decisions.

**CDF 351 Practicum for Early Childhood Practitioners. (3) A.** Prerequisites: department approval, 2.5 cumulative GPA, minimum grade of "C" in all courses with "CDF" prefix. Enrollment limited to students who have earned a Child Development Associate credential with college credit. Teaching experience in early childhood programs emphasizing emergent curriculum, documentation, project work, and family involvement. Meetings for collaborative planning/preparation.

**CDF 399 Interdisciplinary Early Childhood Education Practicum. (3) I, II.** Prerequisites: CDF 345, 2.5 cumulative GPA, and a minimum grade of "C" in all courses with a CDF prefix. Preparation of IECE students for supervised student teaching. Focus on structuring environments, facilitating learning experiences, developing guidance techniques, and collaborating. Emphasizes inquiry learning, documentation, project work, family/community involvement, meetings for collaborative planning and preparation.

**CDF 424 Diversity Awareness for Professional Practice. (3) II.** Prerequisite: junior standing. Professionals working with individuals and families today must develop cultural competency. With a focus on sensitivity and respect, this course provides an overview of diversity in society, including race, gender, socioeconomic status, sexual orientation, religion, and other forms of diversity.

**CDF 437 Family Resiliency. (3) A.** Prerequisite: CDF 132 or department approval. Study of stressors which may affect the quality of family life and resiliency factors which families and individuals employ to cope effectively with these stressors. Current research and models of family resiliency are studied.

**CDF 441 Adulthood and Aging. (3) A.** Individual and familial development from young adulthood through death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly.

**CDF 443 Family Studies Practicum. (6) A.** Prerequisites: CDF 132, 243, and 247; 2.5 cumulative GPA. Supervised practicum experience in community-based family involvement programs such as family resources and youth service centers, Head Start, PACE (Parent and Child Education), Child-life programs in hospitals for children, etc.

**CDF 449 Special Problems in Child Development. (1-3) A.** Prerequisites: department approval and a 3.0 GPA (major). May be retaken to a maximum of six hours provided topics vary. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**CDF 499 Supervised Teaching IECE. (12) I, II.** Prerequisites: completion of all major courses, supporting courses, special education minor, and professional courses. Practice teaching in programs for children ages birth through five years focusing on organizing environments for learning, planning and implementing developmentally appropriate curricula, selecting and implementing guidance strategies, assessing individual strengths and concerns of children and their families and colleagues for the benefit of children.

**CDF 538 Seminar in Family Life:** \_\_\_\_\_. (3) I. Prerequisites: CDF 241, 244, and six hours in CDF; or department approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of six hours provided the topics vary.

**CDF 541 Infant-Toddler Development and Group Care.** (3) A. Growth and development from conception to three years. Emphasis on family intervention, appropriate policies and practices for group care, assessment, disabilities, multicultural and gender issues, and caregiver professional growth.

**CDF 544 Early Childhood Development and Program Planning.** (3) A. Theory pertinent to early childhood development and learning including constructivism, socially-mediated intelligence, multiple intelligences and creativity. Emphasis on emergent curriculum and teaching strategies reflecting social collaboration such as webbing, project work, and multimedia documentation.

**CDF 546 Building School, Family, and Community Partnerships.** (3) A. Prerequisites: CDF 541 or 544 or 741 or 744. Study of methods for building partnerships among early childhood school personnel, family members, and the community with the growth and development of the child as a focus. Reflects contemporary lifestyles, culture, and current societal issues.

**CDF 547 Organization and Administration of Early Childhood Programs.** (3) I. Prerequisite: CDF 345 and 248 or department approval. Review of the theories influencing the definition of goals, philosophies and rationales for establishment of early childhood programs (0-5), study of the procedures for organizing early childhood programs, and discussion of the management processes for administering quality early childhood programs.

**CDF 548 Seminar in Child Development:** \_\_\_\_\_. (3) I. Prerequisites: CDF 241, 244, and six hours in CDF; or instructor approval. Current concepts and trends in child development, recent research, and literature. May be retaken to a maximum of six hours provided topics vary.

**CDF 550 Child and Family Studies Topics:** \_\_\_\_\_. (1-3) A. Study of various topics in child and family studies selected to meet student needs and interests. May be retaken to a maximum of six hours provided topics vary.

**CHE—Chemistry**  
Dr. Alan Schick, Acting Chair

**CHE 100 Inquiry Chemistry for Teachers.** (3) A. Prerequisite: completion of all developmental requirements; pre-teaching or teaching elementary and middle school education majors only. Activity-oriented chemistry; elements, molecules, solutions, acids and bases, reactions, energy and environmental topics. Credit will not be awarded to students who have credit for CHE 101 or CHE 105 or CHE 111. 2 Lec/2 Lab. Gen. Ed. 14

**CHE 101 General Chemistry I.** (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. Credit will not be awarded to students who have credit for CHE 100, CHE 105 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

**CHE 102 General Chemistry II.** (4) I, II. Prerequisite: CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. 3 Lec/2 Lab.

**CHE 105 Chemistry for the Health Sciences I.** (4) I, II. An introductory course for students in allied health. Principles of bonding, structure, and reactivity related to biological processes. Credit will not be awarded to students who have credit for CHE 101 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

**CHE 111 Introductory Chemistry I.** (3) I, II. Prerequisite or Corequisite: ACT math score of 22, or MAT 107, or departmental approval. Prepares student

for further study in chemistry, nomenclature, structure, stoichiometry, bonding, chemical change. Credit will not be awarded to students who have credit for CHE 100, CHE 101 or CHE 105.

**CHE 112 Introductory Chemistry II.** (5) I, II. Prerequisite: CHE 111 with a grade of "C" or better. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry, and analytical chemistry. 3 Lec/6 Lab. Gen. Ed. 14.

**CHE 325 Quantitative Analytical Chemistry.** (4) A. Prerequisite: CHE 112 with a grade of "C" or better. Introductory course in gravimetric, volumetric, colorimetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

**CHE 330 Introductory Biochemistry.** (4) A. Prerequisites: CHE 102 or 361 and 366; or instructor approval. May not be used to satisfy B.S. Chemistry requirements. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. 3 Lec/2 Lab.

**CHE 349 Applied Learning in Chemistry.** (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

**CHE 349 A-II Cooperative Study: Chemistry.** (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

**CHE 361 Organic Chemistry I.** (3) I, II. Prerequisite: CHE 112 with a "C" (2.0) or better. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions. A withdrawal from CHE 361 must be matched by a withdrawal from CHE 366.

**CHE 362 Organic Chemistry II.** (3) I, II. Prerequisites: CHE 361 w/ grade of "C" (2.0) or better. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbanions; amines; phenols; carbohydrates and amino acids. A withdrawal from CHE 362 must be matched by a withdrawal from CHE 367.

**CHE 366 Organic Chemistry Laboratory I.** (1) I, II. Prerequisite or Corequisite: CHE 361. Experimental work to illustrate principles of organic chemistry. Basic techniques and selected syntheses. 3 Lab.

**CHE 367 Organic Chemistry Laboratory II.** (1) I, II. Prerequisites: CHE 361 and 366 with a "C" (2.0) or better. Prerequisite or Corequisite: CHE 362. Experimental work to illustrate principles of organic chemistry. Selected synthetic techniques and advanced techniques such as separation and identification. 3 Lab.

**CHE 470 Principles of Physical Chemistry.** (4) I. Prerequisites: CHE 361 with a "C" (2.0) or better; MAT 124, or MAT 261. Pre or Corequisite: PHY 131 or 201. Thermodynamics, equilibrium, electrochemistry, reaction kinetics, atomic structure, bonding, spectroscopy and selected topics.

**CHE 471 Physical Chemistry I.** (3) A. Prerequisite: CHE 361 with a "C" (2.0) or better. Prerequisites or Corequisites: MAT 224, PHY 131 or 201. A functional knowledge of a computer language is expected. Thermodynamic properties of physicochemical systems; free energy and equilibria; electrochemical processes; electrolytic solutions and activity coefficients.

**CHE 472 Physical Chemistry II.** (3) A. Prerequisite: CHE 361 with "C" (2.0) or better. Prerequisite or Corequisite: PHY 132 or 202, and MAT 225. Kinetic theory of gases and reaction rates; atomic and molecular structures; spectroscopy; introductory statistical thermodynamics.

**CHE 473 Physical Chemistry Laboratory.**

(2) A. Prerequisite: CHE 325. Prerequisites or Corequisites: CHE 470, 471 or 472; CHE 480. A functional knowledge of computers is expected. Experimental work to illustrate principles of physical chemistry: thermochemistry, equilibrium; reaction kinetics; molecular spectroscopy. 6 Lab.

**CHE 480 Seminar I.** (1) I. Prerequisite: CHE 361. Seminar series including following topics: introduction to the use of chemical literature with emphasis on computer searches in Chemical Abstracts and Internet resources; seminar preparation techniques; job search skills; career opportunities in chemistry; current research in chemistry. One weekly meeting.

**CHE 481 Seminar II.** (1) II. Prerequisite: CHE 480. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken for a maximum of two hours.

**CHE 495 Introduction to Research.** (1-3) I, II. Prerequisites: CHE 112 and departmental approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be retaken to a maximum of nine hours. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

**CHE 501 Chemtopics:** \_\_\_\_\_. (1-3) A. Prerequisite: departmental approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry. Topics will vary according to students needs. May be retaken to a maximum of six hours.

**CHE 515 Analysis and Characterization.** (4) A. Prerequisites: CHE 362, 367, 471, and 550; or departmental approval. Synthesis, separation, and characterization of inorganic and organic compounds and mixtures. Included will be spectroscopic techniques, preparation of derivatives and methods appropriate for handling of air sensitive compounds and those of low thermal stability. 2 Lec/6 Lab.

**CHE 525 Instrumental Methods.** (4) A. Prerequisites: CHE 325, 362, and 367. Methods of spectroscopic analysis; electrochemical methods; chromatographic methods. Emphasis placed on broad, functional approach to instrumental techniques. 2 Lec/6 Lab.

**CHE 530 Biochemistry of Macromolecules.** (3) A. Prerequisites: CHE 362 and 367. Structure, analysis, and organization of proteins, nucleic acids, and lipids; physical and organic mechanisms of enzyme action; chemistry of membrane action and the immune system.

**CHE 531 Metabolic Biochemistry.** (3) A. Prerequisites: CHE 362 and 367. Continuation of CHE 530. Chemistry, catabolism, and biosynthesis of carbohydrates, lipids, amino acids, and nucleotides; analysis of nucleic acids and structure, function, and control of cellular genetic apparatus.

**CHE 532 Biochemistry Laboratory.** (1) I. Prerequisite or Corequisite: CHE 530 or 531 or departmental approval. Experimental techniques characteristic of biochemical research. Purification and characterization of proteins and nucleic acids; use of computers in modeling biochemistry data. 3 Lab.

**CHE 550 Inorganic Chemistry.** (3) I. Prerequisite: CHE 362. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Coordination compounds. Theories of bonding.

**CHE 560 Mechanistic Chemistry.** (3) A. Prerequisites: CHE 362 and 367, and CHE 470 or 471. Survey of new reactions and comprehensive study of reaction mechanisms.

**CHE 572 Advanced Physical Chemistry.** (3) A. Prerequisite: CHE 472 (MAT 353 recommended) or instructor approval. Intermediate and advanced topics in thermodynamics, kinetics, structure and bonding.



**CHE 585 Principles of High Polymers. (3)**  
**A.** Prerequisites: CHE 362 and 367. Preparation and characterization of high polymers; monomers, condensation, and additional polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

**CHS—College of Health Sciences**  
**Dr. David D. Gale, Dean**

**CHS 100 Introduction to the Health Science Field. (3) I, II.** Overview of U.S. health care: history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

**CHS 105 Survey of Medical Terminology. (1) I, II, A.** Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms. Credit will not be awarded to students who have previously taken CHS 200.

**CHS 200 Medical Terminology I. (3) I, II, A.** Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

**CHS 201 Medical Terminology II. (3) I, II, A.** Prerequisite: CHS 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

**CHS 207 Survey of Disease. (3) I, A.** Prerequisites: BIO 171, 301. Prerequisite or Corequisite: CHS 105 or instructor approval. An introduction to disease process and management. Includes a survey of disease of the major body systems. HNF students may not take this course to fulfill major requirements.

**CHS 210 Special Problems in Health Sciences. (1-4) A.** Prerequisite: departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

**CHS 250 Introduction to Gerontology. (3) I, II.** An interdisciplinary approach to the study of aging that presents a balanced view of both normal and problem aspects of aging.

**CHS 342 Understanding AIDS (I) I, II, A.** A seminar intended to inform students about risk factors and implications associated with acquiring AIDS (Acquired Immune Deficiency Syndrome).

**CHS 344 Seminar in Assertiveness. (1) I, II.** Focus is on four basic components; differences between assertion, aggression, and non-assertion; identification of personal rights and rights of others; reducing cognitive and affective obstacles to acting assertively; and developing assertive skills through active practice methods.

**CHS 349 Applied Learning in Health Sciences. (1-8) A.** Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

**CHS 349 A-II Cooperative Study: Health Sciences. (1-8) A.** Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

**CHS 410 Special Problems in Health Sciences. (1-4) A.** Prerequisite: departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

**CHS 420 Special Topics for Health Professions. (1-2) A.** Prerequisite: senior standing and/or instructor approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

**CHS 570 Health Care of the Aged. (3) A.** Theories of gerontology; common health problems of the aged; focus on quality health care.

**CIS—Computer Information Systems**  
**Dr. Jessica Johnson Frazier, Chair**

**CIS 101 Basic Computer Concepts. (1) I, II.** Introduction to computer system basics including hardware, software, and users; the merger of computer and communications technology; and the DOS/Windows operating environment using microcomputers. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

**CIS 102 Introduction to Word Processing. (1) I, II.** Introduction to word processor concepts. Includes creation and enhancement of documents, multipages, multidocuments, graphics, and data transfer. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

**CIS 103 Introduction to Spreadsheets. (1) I, II.** Fundamental concepts and common end-user applications of electronic spreadsheets. Includes creation and enhancement of spreadsheets, graphs, data management, macros, and multiple files. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

**CIS 104 Introduction to Database Management. (1) A.** Introduction to database concepts. Includes creating and using a file; file rearranging, reporting, and editing. File management, customized programs, and relational databases. Credit will not be awarded to students who have credit for both CIS 104 and CIS 212 or CSC 104.

**CIS 105 Introduction to Presentation Graphics. (1) A.** Introduction to presentation graphics concepts. Creating and saving a presentation; organizing, printing, enhancing a presentation; adding art and special effects.

**CIS 212 Introduction to Computer Information Systems. (3) I, II.** Introduction to computer hardware and software systems, the Internet and microcomputer applications including spreadsheets, word processing, database, presentation graphics, electronic mail, and Web browser. Credit will not be awarded to students who have credit for CSC 104. Gen. Ed. 03.

**CIS 215 Introduction to Business Programming. (3) I, II.** Prerequisite: CIS 212 or equivalent with a grade of "C-" or better. Examination of program development planning tools, editors, and compile-debug processes used in modern mixed-language integrated development environments. Structured and object-oriented programming language syntax used in current business applications will be introduced.

**CIS 225 "C" Programming in Business. (3) II.** Prerequisite: instructor's consent. "C" Programming with emphasis on business applications. Include control statements, functions, arrays, pointers, input/output, and files. Credit will not be awarded to students who have credit for CSC 209.

**CIS 230 Business Applications of Microcomputers. (3) I, II.** Prerequisites: CIS 212 or equivalent. Advanced work processing, spreadsheets, database management, and presentation software. Successful completion assists students in passing Microsoft Office certification exams. Credit will not be awarded to students who have credit for CCT 290.

**CIS 240 Introduction to Web Information Systems. (3) A.** Prerequisite: CIS 212 (C- or better) or CSC 104 (C- or better). Introduction to design and development of Web-based systems. Includes Internet and Web technology; Web development using design procedures, HTML and XML; and hands-on experience in website design and authoring.

**CIS 250 Business Application Programming. (3) I, II.** Prerequisite: CIS 215 with a grade of "C-" or better. Programming information applications in modern business environments will be examined. Sequential, Indexed/Direct, XML, and Database data access and organization using major programming languages in an integrated development environment will be accomplished through programming exercises.

**CIS 300 Management Information Systems. (3) I, II.** Prerequisites: ACC 201, 202 and ECO 230 with a grade of "C-" or better in each course; junior standing (a minimum of 60 hours) with an overall minimum of 2.0 GPA. Role of information systems in supporting managers, decision making and organizational goals; planning and managing e-business systems; global competition; social and ethical issues.

**CIS 349 Applied Learning in Computer Information Systems. (1-3) A.** Prerequisites: GPA 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**CIS 349 A-II Cooperative Study: Computer Information Systems. (1-3) A.** Prerequisites: GPA 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**CIS 355 Advanced Business Application Programming. (3) I, II.** Prerequisite: CIS 250 with a grade of "C-" or better. Advanced programming principles and techniques used in integrated development environments for business information systems. Integration of traditional data file access, embedded SQL, embedded HTML and XML techniques in mixed-language and multi-program application environments.

**CIS 360 Computer Information Systems Internship. (2-4) A.** Prerequisites: GPA of 2.25 and advisor/departmental approval. Practical experience in computer information systems.

**CIS 370 Seminar in Computer Information Systems. (1-3) A.** Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

**CIS 375 Fundamentals of Telecommunication. (3) A.** Prerequisite: CIS 300 or equivalent. Fundamental concepts, definitions, and theory of telecommunication. Completion assists students in passing Microsoft Networking Essentials certification exam.

**CIS 380 Systems Development. (3) I, II.** Prerequisite: CIS 250. Information systems development life cycle with the emphasis on systems analysis and conceptual design. Introduction to computer-assisted software engineering and project management.

**CIS 400 Electronic Business. (3) A.** Prerequisites: CIS 300 and MGT 300 with a grade of "C-" or better in each course. Course covers the theory and practice of electronic business. Emphasizes e-business models and technology, assessing company performance and value; design, promotion, global and social issues.

**CIS 435 Data Base Management. (3) I, II.** Prerequisite: CIS 250 with a grade of "C-" or better. Fundamental concepts of database processing; conceptual, logical, and physical design of databases; the use of SQL and DBMS technology for relational database implementation; and general business database management issues.



**CIS 436 Advanced Data Base Management.** (3) **A.** Prerequisite: CIS 435. An in-depth study of modern data base management to include advanced and current database topics. Coverage includes advanced data modeling and relational database design and implementation to include current technologies and techniques; database programming; database applications development for electronic business.

**CIS 475 Advanced Telecommunications.** (3) **A.** Prerequisite: CIS 375 or permission of instructor. More in-depth coverage of telecommunications and networking to include installation and configuration, managing resources connectivity, running applications, monitoring and optimization, trouble shooting, and resources.

**CIS 476 Decision Support and Expert Systems.** (3) **I.** Prerequisites: CIS 380 and 435. Course focus is on design, development, implementation, and contribution of DSS and ES to management planning, decision making, and control. Students will design and validate model-based DSS, data based DSS, and expert systems to aid managerial problem solving.

**CIS 480 Information Systems Design and Implementation.** (3) **I, II.** Prerequisites: CIS 380 and 435. Strategies and techniques of structured analysis and design of information systems; application of computer programming and system development concepts and principles to a comprehensive system development project. analysis, design, and implementation.

**CIS 490 Special Problems in Computer Information Systems.** (1-4) **A.** Prerequisite: advisor/departmental approval. Independent study in information systems. May be retaken under different sub-topics to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment

**CLS—Clinical Laboratory Science**  
**Dr. Darryl Barnett, Chair**

**CLS 201 Introduction to Clinical Pathology.** (3) **II.** Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles of disease process. 4 Lec/Lab

**CLS 300 Clinical Laboratory Administration.** (2) **I.** Prerequisite: enrollment in upper division plan or instructor approval. Lab calculations, instrumentation, and quality assurance. 2 Lec

**CLS 303 Clinical Laboratory Skills.** (1) **I, II.** Prerequisite: CLS major or instructor permission. Skills for clinical laboratory practitioners, including laboratory safety, phlebotomy, microscopy, pipetting, universal precautions, and principles of quality assurance.

**CLS 305 Analysis of Body Fluids.** (2) **I.** Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Lec/Lab

**CLS 308 Clinical Serology.** (2) **I.** Prerequisite: pre-CLS or CLS major or instructor approval. Principles, procedures, sources of error, and clinical application of serological tests, immune mechanisms, specimen collection; procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Lec/Lab.

**CLS 309 Clinical Immunology.** (1) **I, II.** Prerequisite: pre-CLS, CLS major, or instructor approval. Principles and techniques of antigen-antibody reactions of the human immune system and their relationship to the clinical laboratory.

**CLS 310 Hematology and Coagulation.** (5) **I.** Prerequisite: enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Lec/Lab.

**CLS 320 Immunohematology.** (3) **II.** Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab.

**CLS 346 Clinical Chemistry.** (5) **II.** Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumentation, and clinical interpretation of results in relation to biochemistry of human systems. 3 Lec/3 Lab.

**CLS 350 Bacteriology and Virology.** (5) **I.** Prerequisite: BIO 211 or permission of the instructor, and admission to the upper division CLS program. Study of medically important bacteria with emphasis on the clinical laboratory methods of microscopy, cultivation, identification, antimicrobial susceptibility testing, and quality control. Includes study of rickettsiae, mycoplasmas, chlamydiae, and fundamentals of clinical virology. 3 Lec/4 Lab.

**CLS 355 Mycology and Parasitology.** (4) **II.** Prerequisites: BIO 211 or permission of the instructor, and admission to the upper division CLS program. Study of fungi and parasites as agents of human disease, with emphasis on the clinical laboratory methods of microscopy, in vitro cultivation, identification, and quality control. 3 Lec/1 Lab.

**CLS 404 Cytotechnology Techniques.** (3) **I.** Prerequisite: enrollment in cytotechnology program. Experiences in various preparatory techniques including methods of obtaining and staining specimens. Experiences with clerical procedures, and understanding laboratory safety.

**CLS 406 Cytology Seminar.** (3) **I.** Prerequisite: enrollment in cytotechnology program. Experience in the areas of administration, professional relationships with physician and hospital personnel, patient management, quality control and professional ethics.

**CLS 408 Cytology Female Genital Tract.** (9) **I.** Prerequisite: enrollment in cytotechnology program. Study normal cells cyclic variation, reactions to infections, injury and hormonal abnormalities. Criteria for premalignant and malignant changes. Study the pathogenesis and histopathology related to cytodiagnoses.

**CLS 410 Cytology Respiratory Tract.** (3) **II.** Prerequisite: enrollment in cytotechnology program. Cyto diagnosis of disease of the respiratory tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

**CLS 412 Cytology Body Cavity Fluids.** (3) **II.** Prerequisite: enrollment in cytotechnology program. Cyto diagnosis of diseases of body cavity fluids. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

**CLS 414 Cytology Breast.** (3) **II.** Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the breast fluids. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

**CLS 416 Cytology Gastrointestinal Tract.** (3) **II.** Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the gastrointestinal tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

**CLS 418 Cytology Urinary Tract.** (3) **II.** Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the urinary tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

**CLS 420 Cytology Body Sites.** (3) **A.** Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the miscellaneous body sites. Anatomy, histology and physiology as related

to normal and abnormal cellular morphology. Methods of specimen collection and processing as discussed.

**CLS 422 Cytology Aspiration.** (4) **A.** Prerequisite: enrollment in cytotechnology program. Introduction to the techniques of fine needle aspiration biopsy. Provides a systematic approach to the study of aspiration biopsy cytology.

**CLS 431 Clinical Correlations.** (3) **I, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions. 3 Lec.

**CLS 432 Clinical Chemistry Practicum.** (5) **II, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory.

**CLS 434 Clinical Microbiology Practicum.** (4) **I, II.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory.

**CLS 436 Lab Management Practicum.** (1) **I, II.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory.

**CLS 437 Clinical Laboratory Seminar.** (3) **I, II.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Case studies, advanced procedures, and problem solving in the clinical laboratory.

**CLS 438 Hematology Practicum.** (4) **I, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic blood morphology studies in an affiliated laboratory.

**CLS 439 Urinalysis Practicum.** (1) **I, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic urine procedures in an affiliated laboratory.

**CLS 440 Blood Bank Practicum.** (2) **II, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical blood banking in an affiliated laboratory.

**CLS 441 Immunology Practicum.** (1) **I, II, A.** Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical immunology in an affiliated laboratory

**CLT—Clinical Laboratory Technology**  
**Dr. Darryl Barnett, Chair**

**CLT 201 Urinalysis.** (1) **I, II.** Prerequisite: admission to CLT program or instructor approval. Corequisite: CLT 205 and CLT 206. Clinical lab procedures used in the analysis of urine and other body fluids. 4 Lec/Lab.

**CLT 202 Hematology.** (3) **II.** Prerequisite: admission to CLT program. Clinical procedures used in hematology and coagulation. 4 Lec/Lab.

**CLT 203 Clinical Chemistry.** (3) **I.** Prerequisite: admission to CLT program. Clinical procedures used in clinical chemistry and parasitology. 4 Lec/Lab.

**CLT 204 Immunology/Blood Banking.** (2) **I.** Prerequisite: admission to CLT program or instructor approval. A study of the immune system, clinical serology, and blood banking and the lab techniques associated with each area. 4 Lec/Lab.

**CLT 205 Practicum I.** (7) **I, II.** Corequisite: CLT 206. Prerequisites: CLT 201, 202, 203, and 208. Administrative policies, hematology, serology, and blood banking in an affiliated hospital

**CLT 206 Practicum II.** (6) **I, II.** Corequisite: CLT 205. Prerequisites: CLT 201, 202, 203, and 208. Clinical chemistry and microbiology in an affiliated hospital.

**CLT 207 Technical Correlations.** (2) **I, II.** Prerequisites: CLT 201, 202, and 203. Relationships among CLT topics. Stresses mastery of subdisciplines at technician level, clinical significance, and interpretation of lab requests. 2 Lec.

**CLT 208 Clinical Techniques. (3) I, II.**

Prerequisite: admission to CLT program or instructor approval. Prerequisite or Corequisite: CHE 111. Introduction to the laboratory including laboratory techniques, laboratory mathematics, safety, venipuncture, and spectrophotometry.

**CLT 209 Diagnostic Microbiology. (5) I, II.**

Study of bacteria, fungi, and parasites as agents of human disease with emphasis on the pathogenesis, epidemiology, and diagnosis of infectious diseases. 3 Lec/4 Lab.

**CMS—Communication Studies**  
**Dr. Renee Everett, Chair**

*\*A student may not receive credit for the same SPE and CMS course.\**

**CMS 100 Introduction to Human**

**Communication. (3) I, II.** Formerly SPE 100. An introduction to the study of human communication. Overview of major topics in contemporary theories of intrapersonal, interpersonal, small group, and public communication. Practice in the development of skills in each of these areas. Credit will not be awarded to students who have credit for CMS 301. Gen. Ed. 20.

**CMS 200 Interpersonal Communication.**

**(3) I, II.** Formerly SPE 200. A theoretical and skills based approach to building communication competence in personal relationship development, maintenance, and dissolution. Gen. Ed. 03 or 04.

**CMS 205 Argumentation and Debate. (3) I.**

Formerly SPE 205. The study of the techniques and principles of formal argumentative discourse. Emphasis on developing, presenting, and defending a position on controversial questions. Gen. Ed. 03 or 04.

**CMS 210 Public Speaking. (3) I, II.**

Formerly SPE 210. Principles of and practice in the art of public speaking. Study of the invention, organization, style, delivery, and audience adaptation of informative, persuasive, and commemorative speeches. Gen. Ed. 20.

**CMS 250 Interviewing. (3) I.**

Formerly SPE 250. Analysis and application of the communication skills necessary for becoming an effective interviewer and interviewee in organizational contexts. Learn and apply various interviewing techniques: informative, employment and persuasive interviews.

**CMS 300 Business and Professional**

**Speaking. (3) II.** Formerly SPE 300. Prerequisite: CMS 100 or CMS 210. A skills-oriented approach to communication in the workplace. Topics include the following: listening, professional etiquette, conducting meetings, preparing and presenting persuasive, professional reports, and technology (telephone, teleconferencing, and powerpoint).

**CMS 305 Analyzing Human**

**Communication. (3) I.** Formerly SPE 305. Introduction to the process of producing knowledge about human communication. This course emphasizes the qualitative analysis of data from field studies, interviewing, texts, and surveys that relate to the processes of human communication.

**CMS 310 Small Group Communication. (3)**

**I.** Formerly SPE 310. Introduction to theories of small group communication. Exposure to various types of groups with special emphasis on the role of communication in the development of group norms, roles, leadership styles, problem-solving techniques and decision-making techniques.

**CMS 315 Communication Studies**

**Practicum. (1-3) I, II.** Formerly SPE 315. Prerequisite: instructor approval. Supervised practical experience in organizational, human service, or dispute resolution communication contexts. May be retaken for a maximum of three hours.

**CMS 320 Persuasion. (3) II.**

Formerly SPE 320. Study of contemporary research and theories of persuasion and social influence. Theoretical analysis of campaign strategies, citizen advocacy, and selected social movements. Practice in the design, analysis, and implementation of persuasive messages.

**CMS 325 Communication in Conflict**

**Management. (3) A.** Formerly SPE 325. A study of the communication components that contribute to the initiation, perpetuation, and resolution of conflict. Emphasis on building appropriate communication skills for productive conflict management.

**CMS 330 Communication & The Job**

**Search. (1) I.** Formerly SPE 330. Empowering the student for future employment by applying communication skills and career development methods in the job search process.

**CMS 349 Applied Learning in**

**Communication Studies. (1-8) A.** Formerly SPE 349. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**CMS 349 A-H Cooperative Study;**

**Communication Studies. (1-8) A.** Formerly SPE 349 A-H. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**CMS 350 Organizational Communication.**

**(3) I.** Formerly SPE 350. Survey of theoretical and empirical literature dealing with communication behavior as it occurs within the context of organizations. Students examine communicative behaviors through case study and field observation. Topics include communication networks, climate, and satisfaction.

**CMS 353 Health Communication. (3) A.**

Formerly SPE 353. A survey of recent development in the field of health communication. Emphasis is on the role of communication in the development of health promotion/prevention campaigns, patient provider interactions, and multicultural health settings.

**CMS 375 Intercultural Communication. (3)**

**A.** Formerly SPE 375. A study of the communication process across cultures with emphasis on intercultural perceptions, values, and language problems as well as nonverbal expression in personal and professional settings.

**CMS 400 Communication and Gender (3)**

**A.** Formerly SPE 400. Focuses on relationships between communication and gender, race, and social class. Examines ways in which gender roles are created and recreated in society and in our personal and professional relationships.

**CMS 406 Communication Training and**

**Development. (3) II.** Formerly SPE 406. An introduction to the field of communication training and development for corporate, industrial, institutional, medical or educational settings. While studying the theoretical frameworks on which training and development techniques are based, students will practice training techniques in simulated situations.

**CMS 410 Human Communication Theory.**

**(3) A.** Formerly SPE 410. A general overview of the theoretical approaches informing research or communication. The goals of the class include developing and understanding of the role of theory in the research process and the ability to critique theories.

**CMS 415 Communication in the Legal**

**Process. (3) A.** Formerly SPE 415. Through the analysis of discourse in videotaped trials, students learn how communication shapes and recreates reality in the courtroom, and how discourse styles affect perceptions of witness credibility and believability.

**CMS 420 Negotiation. (3) A.**

Formerly SPE 420. This course combines communication theory and practice in resolving conflicts using the negotiation process. Extensive role-playing activities will be utilized to develop these skills.

**CMS 450 Mediation. (3) A.**

Formerly SPE 450. The study of mediation as an alternative dispute resolution technique. Involves the analysis and

practice of communication skills applicable to the mediation process. Extensive mediation role-plays are an integral part of the course.

**CMS 470 Communication Audits. (3) A.**

Formerly SPE 470. Prerequisite: Minimum of 90 hours. CMS 305, and CMS 350. Principles and practice of communication audits. Students will design, conduct and interpret a communication audit for an organization.

**CMS 475 Senior Project. (3) A.**

Formerly SPE 475. Prerequisites: 90 hours completed, CMS 305. A synthesis experience where students write a senior thesis.

**CMS 490 Special Topics in**

**Communication. (1-3) A.** Formerly SPE 490. Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours if subject matter is different each time.

**CMS 499 Independent Study in**

**Communication Studies. (1-6) I, II.** Formerly SPE 499. Individual research and reading on a specified speech communication subject. Regular consultation and final paper or performance required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

**CNM—Arts and Sciences Interdisciplinary**  
**Dr. Andrew Schoolmaster III, Dean**

**CNM 101 Cosmos and Evolution I: An**

**Exploration of Nature. (3) I, II.** This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

**CNM 102 Cosmos and Evolution II: An**

**Exploration of Nature. (3) I, II.** This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

**CNM 315 Topics in Natural Science General**

**Education. \_\_\_\_\_, (3) A.** An experimental course designed to be used for general education credit in fulfilling the requirements of course categories I5 or 16 in Area IV.

**CNM 499 Independent Work. (3-6) A.**

Prerequisite: cumulative GPA 2.5 up to last semester of program in B.I.S. degree. Independent research and/or field work required for the program of B.I.S. degree. Student must have the independent study proposal form approved by the student's B.I.S. Advisory Committee.

**CNM 599 Ecology and the Environment for**

**Teachers. (3) A.** Prerequisite: BIO 102 or CHE 100 or GLY 102 or PHY 102 or departmental approval. Introduces pre-service teachers to ecology and the environment through an interdisciplinary approach beginning with the physical environment, progressing to the whole ecosystems, and onto analyses of environmental issues. Classroom teaching strategies will be modeled.

**COM—Communication**  
**Dr. Renee Everett, Chair**

**COM 200 Mass Media and Society. (3) I, II.**

Introduction to mass media issues. Analyzes mass media impact on social, political and economic sectors of American and world societies. Considers issues and trends, including ethics, legal controls, violence and censorship. Gen Ed. 12.

**COM 201 Writing and Reporting News I. (3)**

**I, II.** Prerequisites: ENG 101 and 102 (or 105). Study of the elements of news for print and electronic media; style, structure, sources, interviewing, story types, label and ethics. Practice in gathering, writing and evaluating news.



**COM 260 Film Genre: \_\_\_\_\_. (3) I, II.**

Study of the types of motion pictures. Analysis and critical evaluation of the typical elements of a genre, both visual and dramatic. May be retaken to a maximum of six hours with different course content. May not be taken concurrently with COM 460.

**COM 290 Topics in Communications: \_\_\_\_\_. (1-3) A.**

Prerequisite: department approval. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of nine hours provided the subject matter differs each time. Specific topics included in the schedule.

**COM 300 International Media. (3) I, II.**

Development and operations of world mass communication channels and agencies. Comparative analysis of media, media practices, and flow of news and entertainment throughout the world. Print, public affairs, radio, and television systems will be studied in terms of relevant social, political, economic, geographic, and cultural factors.

**COM 301 Writing and Reporting News II. (3) I, II.**

Prerequisite: COM 201. Advanced study of news for print and broadcast media. Includes source development, deadline reporting, visual reporting, electronic news sources, in-depth reporting. Introduction to court and government reporting.

**COM 309 Integrated Marketing**

**Communications. (3) A.** Cross listed as MKT 309 and TEC 309. A course covering the theories, strategies and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and the World Wide Web (WWW). Credit will not be awarded to students who have credit for MKT 309 or TEC 309.

**COM 320A Desktop Publishing. (1) I, II.**

Introduces the basic concepts and terminology necessary for understanding the creation of media content using computer hardware and software.

**COM 320B Advanced Word Processing. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study the skills and techniques necessary to enhance the presentation of printed materials.

**COM 320C Creating Newspapers and Magazines. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study of the skills and techniques necessary to prepare printed and graphic material for publication in newspaper and magazines.

**COM 320D Creating Newsletters and Brochures. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study of the skills and techniques necessary for the creation of promotional and informational printed pieces.

**COM 320E Creating Graphic/Illustrative Content. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study of the skills and techniques necessary to create and design display and informational graphics.

**COM 320F Web Page Development. (1) I, II.** Prerequisite or Corequisite: COM 320A. Fundamentals of Web page development including basic techniques, evaluation of effective Web page design, and elements that attract readers to the Web pages.

**COM 320G Computer Image Processing. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study of the skills and techniques necessary to input, edit, retouch and enhance images. Introduction to the development of creative illustrations suitable for publication or presentation on the web.

**COM 320H Creating Computer Based Presentations. (1) I, II.** Prerequisite or Corequisite: COM 320A. Study of the skills and techniques necessary to design and create effective computer based presentations.

**COM 320I Desktop Video. (1) I, II.**

Prerequisite or Corequisite: COM 320A. Study of the skills and techniques that allow effective communication in the electronic media using desktop video tools. An examination of the video art form from an aesthetic perspective to include television, film, art, multimedia, web video and digital still video.

**COM 325 Advertising Copy and Production. (3) I, II.**

Prerequisites: ENG 102 or ENG 105. Introduction to copywriting and production for electronic, print and other advertising media. Emphasis on advertising strategy, motivation, appeals, visualization and layout. Applies research and communication theory to creation of advertising.

**COM 330 Sportswriting and Reporting. (3) I, II.**

Writing and producing of game, feature and interview stories for print and broadcast. Will include play by play, sports commentary and analysis.

**COM 345 Literature and Film. (3) A.**

Cross listed as ENG 345. Prerequisites: ENG 101 and 102 (or 105). Examination of the relationships between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for ENG 345.

**COM 349 Applied Learning in Media Sales. (1-8) A.**

Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisor in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

**COM 349 A-H Cooperative Study: Media**

**Sales. (1-8) A.** Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisor in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

**COM 350 Cinema History I. (3) A.**

Historical survey of cinema from its origins to 1939. Examines developments in directing, acting, editing, and other areas of cinema as an art form. Feature length and short films viewed. Gen. Ed. 08.

**COM 351 Cinema History II. (3) A.**

Historical survey from 1939 to present. Includes theories, styles, and critical positions related to the sound film and considers origins and implications for future directions. Feature length and short films viewed. Gen. Ed. 08.

**COM 353 The Art and Craft of**

**Screenwriting. (3) A.** Conceiving, structuring, writing and marketing the contemporary American screenplay. Requires developing and writing original screenplays for marketing in the contemporary film environment.

**COM 390 Fundraising. (3) I, II.**

An overview of fundraising, including planning, organization, management, marketing, and the common sense needed to raise money from private sources.

**COM 400 Studies in Communications: \_\_\_\_\_. (1-3) A.**

Prerequisite: will vary with course offering. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule. May be retaken to a maximum of nine hours.

**COM 405 Media Law. (3) A.**

Prerequisite: COM 200 or department approval. Examination of legal philosophies relating to the media, including press freedom, copyright, libel, slander, privacy, free press/fair trial, and regulation. Emphasizes the legal rights and responsibilities of the media.

**COM 415 Media Ethics. (3) A.**

Prerequisite: COM 200 or department approval. Examination of ethical standards and practices of the mass media. Includes development of ethical decision-making skills.

**COM 420 Mass Communications Research. (3) I, II.**

Introduction to the research process, research approaches, basic statistics, and applied research in the field of mass communications.

**COM 425 Media Planning and Buying. (3) I, II.**

An introduction to the process of media planning and buying. Emphasis on basic measurements and calculations, reach and frequency, strategy, evaluation, and budgeting.

**COM 430 Legislative Reporting. (3) A.**

Prerequisite: COM 201 or department approval. Reporting on the state legislature for print and broadcast media. Counts as JOU/BEM elective.

**COM 445 Broadcast and Cable Promotion. (3) I, II.**

Study of broadcast and/or cable promotion in the areas of writing, production, marketing, and public relations. Includes exercises in promotions.

**COM 460 Advanced Film Genre: \_\_\_\_\_. (3) I, II.**

Detailed study of the types of motion pictures. Requires independent research, extended analysis, and critical evaluation of films. May be retaken to a maximum of six hours with different course content. May not be taken concurrently with COM 260.

**COM 471 Media Sales. (3) A.**

Problems and practices of both print and electronic media sales. Includes case studies in both print and broadcast sales development (local, regional, and national), pricing, production, promotion, and basic sales campaigns.

**COM 490 Media Campaigns. (3) A.**

Prerequisites: COM 325 or 425. Design and execution of a complete advertising/media campaign based on an actual case study. Includes primary research, media planning, creative design/execution, and evaluation. Students produce professional quality advertising materials for national competition. Credit will not be awarded to students who have credit for MKT 426.

**COM 491 Senior Seminar. (1) I, II.**

Prerequisites: completion of 90 hours with at least 1 hour from BEM 349 or 343 or 398, or COM 349, or JOU 349 or 302, or PUB 349 or 378. Evaluates students' progress toward a career in mass communications, especially the development of a portfolio, and develops job search strategies and skills. Includes assessment of instruction and curriculum.

**COM 495-496-497-498-499 Special Problems in Communications. (1-3 for 495, 496, 497, 498; 1-4 for 499 only) A.** Prerequisite: students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Six hours maximum credit through any combination of 495, 496, 497, 498, 499. Credit may not count toward a major or minor within the department.

**COM 495 Public Relations. (1-3) A.** Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

**COM 496 Film. (1-3) A.** Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

**COM 497 Journalism. (1-3) A.** Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

**COM 498 Audio. (1-3) A.** Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

**COM 499 Video. (1-4) A.** Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

**COM 550 Readings in Mass**

**Communications. (3) A.** Prerequisites: instructor approval and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

**CON—Construction Management  
Dr. William E. Davis, Chair****CON 121 Introduction to Construction. (3) I, II.**

A survey of the construction industry. Nature, scope, and general characteristics of the industry with an emphasis on careers, safety, and typical contracting methods.



**CON 201 Materials and Methods of Construction I. (3) I, II.** Composition, manufacture and grades of construction materials and building products with emphasis on wood, metal, glass, roofing, finishing, and plastic materials. Methods, including safety, involved in the placement and installation of these materials.

**CON 202 Materials and Methods of Construction II. (3) I, II.** Composition, manufacture, and grades of construction materials and building products with an emphasis on concrete and masonry. Methods, including safety, involved in the placement and installation of these materials. Students sit for concrete technician certification tests. 2 Lec/2 Lab.

**CON 221 Plane Surveying. (3) I.**  
Prerequisite: MAT 108. Principles of surveying, including the measurement of distances, elevations, and angles. Calculations for the various operations, including traverse computations. Introduction to the use of surveying instruments and note keeping. 2 Lec/2 Lab.

**CON 250 Structural Systems and Materials I. (3) I.** Prerequisite: DES 122. Emphasis on building systems and materials for residential structures. An understanding of the properties of structural materials and their appropriate applications. Laws, codes, and standards will be addressed along with instruction in blueprint reading.

**CON 294 Construction Graphics. (3) A.** Basic principles of residential and small commercial planning; styles of architecture; a comparative study of structural systems and the preparation of working drawings. 2 Lec/2 Lab.

**CON 303 Statics and Strength of Materials. (3) A.** Prerequisites: MAT 108 and PHY 131. Study of loads, forces and their effects on rigid bodies and structures at rest. Computation of equilibrium reactions, internal forces, shear, moments, couples, friction, stress, strain, and deformation. Finding centroids and moments of inertia.

**CON 307 Soils and Foundations. (3) II.**  
Prerequisite: CON 303. A study of soil mechanics as it relates to foundation construction. Topics include soil classification, engineering properties, compaction testing, types of foundation systems, and methods of foundation construction.

**CON 320 Construction Surveying. (3) II.**  
Prerequisite: CON 221. The application of surveying skills as they relate to horizontal and vertical control on construction projects. Activities include building layout, centerline staking, earthwork computations, and slope staking. The use of electronic instruments is emphasized. 2 Lec/2 Lab.

**CON 322 Construction Structural Design. (3) I.** Prerequisites: CON 303 and MAT 261. A study of the design of beams and columns using steel and wood. Principles of structural design related to the design of temporary structures used in the construction process.

**CON 323 Estimating I. (3) I.** Prerequisites: CON 201, 202, MAT 108, and TEC 161. A study of the materials and labor required in the construction of residential and light commercial projects. Experience is gained in reading plans, calculating work quantities, and listing work items in a standardized format. 2 Lec/2 Lab.

**CON 324 Mechanical/Electrical Systems. (3) II.** Prerequisites: CON 201 and 21 additional hours of CON courses. A study of plumbing, heating, air-conditioning, electrical power distribution, and lighting for residential and commercial buildings. Heat loss and heat gain calculations. Basic fundamentals of water supply, waste drainage, and electrical circuits.

**CON 349 Applied Learning in Construction Management. (1-8) A.** Prerequisites: 30 hours of credit including 9 credit hours of CON courses with a 2.0 GPA and departmental approval. Transfer students must have completed at least one semester of full-time work at ECU. Work under faculty and field supervisors in placements related to construction management.

**CON 349 A-II Cooperative Study: Construction Management. (1-8) A.** Prerequisites: 30 hours of credit including 9 credit hours of CON courses with a 2.0 GPA and departmental approval. Transfer students must have completed at least one semester of full-time work at ECU. Work under faculty and field supervisors in placements related to construction management.

**CON 368 Seminar in Construction. (1-4) A.** Presentation of construction management topics of a timely or specialized nature in a seminar format. May be retaken provided the topics are different.

**CON 401 Special Problems in Construction Management. (1-3) A.** An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

**CON 420 Engineering Economy. (3) I.**  
Junior Class Restriction. A systematic application of engineering economy to design, selection of construction materials, and construction methods. A study of first costs, operating and maintenance costs, service life, and replacement costs. Value engineering incentives are studied.

**CON 421 Construction Contracts. (3) I.**  
Prerequisite: CON 323. Contract documents, drawings, and specifications and their impact on the construction process. A study of the types and organization of construction contracts, and the roles and responsibilities of the parties involved.

**CON 423 Estimating II. (3) II.** Prerequisite: CON 323. Construction projects of moderate complexity are divided into work packages, followed by calculation of work quantities. Standard cost books are utilized to develop prices for labor, materials, subcontracts, equipment, and overhead. Emphasis is placed on the use of spreadsheets and estimating software. 2 Lec/2 Lab.

**CON 425 Project Organization and Supervision. (3) II.** Prerequisites: MGT 300 or MGT 301 or INT 408 and CON 421. A study of principles of construction project administration, systems for efficient operation of office and field personnel, and dispute avoidance and resolution procedures. The construction process is followed from project inception to closeout.

**CON 426 Scheduling. (3) II.** Prerequisites: ACC 201 and CON 323. A study of the planning and control of construction activities and costs. Topics include critical path method scheduling, progress monitoring, cost control and cash flow.

**COR—Correctional and Juvenile Justice Studies**  
**Dr. Kevin Minor, Chair**

**COR 100 Orientation to Correctional and Juvenile Justice Studies. (2) A.** Corequisite: REC 190 or departmental approval. Focuses on departmental goals and objectives, curriculum, student-faculty relationships, career options, and the development of competencies needed for success in college and professional environments.

**COR 106 Workshop: \_\_\_\_\_, (1-6) A.**  
The workshop is designed primarily for in-service personnel and will focus on current problems, issues and strategies in providing effective services. May be retaken for a maximum of six hours provided the subject matter differs.

**COR 201 Introduction to Corrections and Juvenile Justice. (3) A.** An introduction to the concepts, history, processes, and issues in corrections and juvenile justice within the social and legal contexts that these systems function.

**COR 301 Institutional Corrections. (3) A.**  
Prerequisite: COR 201 or departmental approval. Surveys history and current status of jails and various types of adult prisons with emphasis on punishment rationales, institutional programs and procedures, inmates' social structures, correctional officers, and contemporary issues.

**COR 310 Foundations of Correctional and Juvenile Justice Practice. (3) A.** Provides a basis for informed responses to delinquency and crime. Examines the conceptual foundations of correctional and juvenile justice practice from a multidisciplinary standpoint and implications for the effectiveness of these practices.

**COR 311 The Juvenile Justice System. (3) A.**  
Examines the nature and extent of delinquency in the United States and the system response to juvenile crime. Particular attention is given to how police, courts, and correctional agencies respond to juvenile offenders, and the effectiveness of these responses.

**COR 315 Legal and Ethical Issues in Corrections and Juvenile Justice. (3) A.**  
Prerequisite: COR 201 or departmental approval. An overview of legal issues and court decisions related to corrections and juvenile justice. An analysis of the various ethical issues surrounding corrections and juvenile justice contexts and practices.

**COR 320 Youth Work Practice. (3) A.**  
Prerequisite: departmental approval. This course has a workshop format and focuses on current problems, issues and strategies in providing effective services to juveniles. May be retaken for a maximum of twelve hours provided subject matter differs.

**COR 321 Juvenile Corrections. (3) A.**  
Examines the extent to which juvenile correctional interventions are used. Provides an in-depth analysis of various correctional responses to juvenile offenders including diversion, community-based, and residential programs.

**COR 330 Community Corrections. (3) A.**  
Prerequisite: COR 201 or departmental approval. Surveys history and current status of community correctional programs, including diversion, probation, parole, and other community programs for juvenile and adult offenders, with emphasis on programmatic philosophies, operations, effectiveness, and other related issues.

**COR 340 Correctional and Juvenile Justice Administration. (3) A.** Prerequisite: COR 201 or departmental approval. Application of management concepts to corrections with emphasis on organizational structure, planning, decision making, and directing.

**COR 349 Applied Learning in Corrections and Juvenile Justice. (1-6) A.** Prerequisites: COR 201, 30 hours of college coursework, and departmental approval. Work under faculty and field supervisors, in placements related to academic studies. One to six hours credit is available. Total hours: three; associate; six; baccalaureate. A minimum of 80 hours work experience is required for each academic credit.

**COR 349 A-II Cooperative Study: Corrections and Juvenile Justice. (1-6) A.**  
Prerequisites: COR 201, 30 hours of college coursework, and departmental approval. Work under faculty and field supervisors, in placements related to academic studies. One to six hours credit is available. Total hours: three; associate; six; baccalaureate. A minimum of 80 hours work experience is required for each academic credit.

**COR 350 Correctional Intervention Strategies. (3) A.** Prerequisite: COR 201 or departmental approval. An in-depth examination of the treatment role of the correctional worker in juvenile and adult settings. Includes an historical and theoretical review with particular emphasis on contemporary approaches to treatment. Both institutional and community-based efforts are discussed.

**COR 375 Applied Skills Practicum. (1-3) A.** Prerequisites: COR 201 and departmental approval. Designed primarily for in-service personnel and others where COR 349 is inappropriate, this course provides the student with opportunity to integrate academic knowledge with a field experience

**COR 388 Criminal Justice Research.** (3) A. Prerequisite: CRJ 101 or COR 201 or departmental approval. Overview of the research process, with emphasis on finding, using, and evaluating criminal justice research. Examination of both quantitative and qualitative social science research methods and procedures appropriate to the study of crime policy and criminal justice.

**COR 400 Applied Criminal Justice Analysis.** (3) A. Prerequisite: COR/CRJ 388. Analytical and statistical concepts and procedures relevant to crime and criminal justice data. Includes quantitative and qualitative techniques. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or HEA 450 or PSY 291 or QMB 200 or STA 215 or STA 270.

**COR 423 Topical Seminar: \_\_\_\_\_.** (1-3) A. Prerequisite: COR 201 or departmental approval. Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of six hours on different topics.

**COR 460 Independent Study.** (1-6) A. Prerequisites: COR 201 and departmental approval. Individual study and/or research on a problem pertaining to corrections and/or juvenile justice. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**COR 470 Delinquency and Crime Prevention.** (3) A. Explores various strategies for prevention of adult and juvenile crime with particular attention to the theoretical and empirical bases for these approaches. Students will develop a crime prevention plan.

**COR 475 Applied Research Practicum.** (3) A. Prerequisite: departmental approval. Policy-relevant research designed to broaden program evaluation experience through assignments in evaluation planning, research design, data interpretation/analysis, and translation of findings to policy. Activities conducted in classroom, computer laboratory, and in the field. May be retaken for 6 hours in program.

**COR 490 Senior Seminar.** (3) A. Prerequisites: senior standing and 30 hours of COR coursework including COR 388 and COR 400, or departmental approval. Capstone course involving development of a senior level research paper on a corrections or juvenile justice topic grounded in relevant literature. Emphasis on integration of knowledge acquired in previous courses.

**CRJ—Criminal Justice**  
Dr. Carole Garrison, Chair

**CRJ 101 Introduction to Criminal Justice.** (3) A. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

**CRJ 301 Drugs, Crime and Society.** (3) A. Prerequisite: CRJ 101 or departmental approval. An examination of drug trafficking, the connection between drug use and other types of crime, and a review of drug control policies, including the impact of the media and politics.

**CRJ 305 Family Violence.** (3) A. Prerequisite: CRJ 101 or departmental approval. Examination of the theoretical and empirical literature on violence against women, children, and elders. Addresses such issues as physical and sexual abuse of children, courtship violence, domestic violence, marital rape, and elder abuse.

**CRJ 312 Judicial Processes.** (3) A. Prerequisite: CRJ 101 or departmental approval. An in-depth study of law-making and the American judicial process. Includes a systematic and comprehensive analysis of American courts, their pivotal role in the criminal justice system, and the function and responsibilities of the key personnel within them.

**CRJ 313 Criminal Justice Ethics.** (3) A. Prerequisite: CRJ 101 or departmental approval. Examines the moral, legal and normative obligations of the state and criminal justice professionals. Surveys the philosophies and theories of ethics and deviance.

**CRJ 315 Administration of Justice.** (3) A. Prerequisite: CRJ 101 or departmental approval. Examines theories of organization and management as they relate to criminal justice practice. Organizational life, leadership personnel management, bureaucracy, resource management, and other critical administration issues are addressed.

**CRJ 325 White Collar Crime.** (3) A. Prerequisite: CRJ 101 or departmental approval. A review and analysis of the upper world crimes of business and government committed in the course of legitimate occupations and financial activities.

**CRJ 331 Perspectives on Crime and Delinquency.** (3) A. Prerequisite: CRJ 101 or departmental approval. Overview of crime and its control. Examines law making, law breaking, and the social response from theoretical perspectives including social, economic, cultural, symbolic, psychological and biological. Includes historical and contemporary developments.

**CRJ 345 Diversity and Criminal Justice.** (3) A. Prerequisite: departmental approval. Contemporary race, gender, and other diversity issues and their relevance to criminal offenders, crime victims, and the criminal justice system. Includes such issues as the civil rights and women's movements, and equal opportunity.

**CRJ 350 International and Comparative Criminal Justice Systems.** (3) A. Prerequisite: CRJ 101 or departmental approval. A survey of selected world criminal justice systems including police, courts, and corrections. Cross-national and cross-cultural criminality from several perspectives will be examined.

**CRJ 388 Criminal Justice Research.** (3) A. Prerequisite: CRJ 101 or COR 201 or departmental approval. Overview of the research process, with emphasis on finding, using, and evaluating criminal justice research. Examination of both quantitative and qualitative social science research methods and procedures appropriate to the study of crime policy and criminal justice. Credit will not be awarded to students who have credit for COR 388.

**CRJ 400 Applied Criminal Justice Analysis.** (3) A. Prerequisite: CRJ 388 or equivalent. Analytical and statistical concepts and procedures relevant to crime and criminal justice data. Includes quantitative and qualitative techniques.

**CRJ 401 Organized Crime.** (3) A. Prerequisite: CRJ 101 or departmental approval. History, scope, and methods of control of organized crime. Emphasis on local, regional, national and international control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

**CRJ 406 Critical Issues in Criminal Justice.** (3) I, II. Prerequisite: CRJ 101 or departmental approval. Examination of the criminal justice system and process with an emphasis on problems and trends. This course provides an analytical overview of justice and its response to the needs of society.

**CRJ 423 Topical Seminar: \_\_\_\_\_.** (3) A. Prerequisite: departmental approval. Intensive study of selected topics related to criminal justice. May be retaken for a maximum of six hours on different topics.

**CRJ 424 Field Experience.** (1-6) A. Prerequisite: departmental approval. Designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions.) Maximum of six hours.

**CRJ 460 Independent Study.** (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to criminal justice. Student must have the independent

study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of six hours.

**CRJ 490 Senior Seminar.** (3) A. Prerequisites: senior standing and completion of CRJ 331, CRJ 388 and at least 21 hours of CRJ coursework or departmental approval. Capstone course consisting of development and production of a senior level research paper grounded in relevant criminal justice literature. Emphasis on integration of knowledge acquired in previous courses.

**CRJ 540 Special Problems in Criminal Law.** (3) A. Prerequisite: CRJ 101 or departmental approval. Advanced study of criminal law and criminal procedure. Consideration of problems relating to the police role in the administration of criminal justice and judicial enforcement of limitations upon police practices.

**CSC—Computer Science**  
Dr. Jaleh Rezaie, Chair

**CSC 104 Computer Literacy with Software Applications.** (3) I, II. A non-technical survey of computer history, hardware, and software. Implications of the use and misuse of computers. The effect of computers on society. Software applications such as word processors, spread sheets, databases, and graphics. Credit will not be awarded to students who have credit for CIS 212. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

**CSC 105 Software Applications Topics: \_\_\_\_\_.** (1-3) A. Selected topics in software applications. Topics vary with offering. May be retaken with advisor approval to a maximum of nine hours provided the topics are different.

**CSC 110 Introduction to the Internet.** (1) I, II. Introduction to the Internet and the Internet processing tools. The course emphasizes the use of the World Wide Web as an information broadcasting and retrieval tool.

**CSC 160 Introduction to Programming:** (3) A. Prerequisite: completion of all mathematics developmental requirements. Introduction to problem solving with computers and the Internet using an appropriate programming language. Basic concepts include data types, objects, control structures, functions, and input/output features. Gen. Ed. 03 or 04.

**CSC 174 Introduction to FORTRAN.** (3) I, II. Prerequisite: completion of all mathematics developmental requirements. Introductory programming in FORTRAN, input/output, decision, loops, arrays, subroutines, functions, files. Gen. Ed. 03 or 04.

**CSC 177 Introduction to Visual Basic.** (3) I, II. Prerequisite: completion of all mathematics developmental requirements. Introduction to programming in the event driven/graphical programming language Visual Basic. Topics include forms, common controls/objects, coding, procedures, file management and developing Windows applications. Gen. Ed. 03 or 04.

**CSC 178 Programming in \_\_\_\_\_.** (1-3) A. Prerequisite: completion of all mathematics developmental requirements. Programming in selected languages, with appropriate applications. May be retaken to a maximum of six hours, provided the languages are different.

**CSC 190 Introduction to C++.** (3) I, II. Prerequisite: CSC 160 with at least a "C" or departmental approval. Introduction to problem solving with computers using the object-oriented language C++. Basic concepts include data types, classes, control structures, functions, and input/output features. 2 Lec/2 Lab. Gen. Ed. 03 or 04.

**CSC 191 Advanced Computer Programming—C++.** (3) I, II. Prerequisite: CSC 190 with a minimum grade of "C". Pointers, structures, storage classes, overloading, inheritance, polymorphism, templates, file input/output, object-oriented analysis and design. 2 Lec/2 Lab.



**CSC 195 Introduction to Discrete Structures.** (3) I, II. Prerequisites: A grade of at least "C" in CSC 190; a grade of at least "C" in MAT 107 or equivalent. Topics to be covered include sets, relations, functions; logic; algorithm design/analysis, recursive algorithms, recurrence relations; mathematical induction; counting; probability.

**CSC 200 Introduction to Computer Organization.** (3) I, II. Prerequisite: CSC 191 with a minimum grade of "C-." Computer structure, assembly language, instruction execution, addressing, data representation, macro definition and generation, utility programs, programming techniques.

**CSC 300 Introduction to Numerical Methods.** (3) A. Prerequisites: MAT 224 or 224H, an approved programming language. Error analysis, nonlinear equations, interpolation, numerical differentiation and integration, ordinary differential equations, direct and interactive methods of solving linear systems, approximation.

**CSC 302 Introduction to System Environments.** (3) I, II. Prerequisite: CSC 191 with a minimum grade of "C-." Introduction to computer system environments, utilities, system programming, system administration, networking and operating systems.

**CSC 305 Computers and Society.** (3) A. Cross listed as POL 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not count toward major/minor requirements except for CSC teaching programs. Credit will not be awarded to students who have credit for POL 305 or SOC 305.

**CSC 306 Ethics for the Computer Professional.** (3) A. Prerequisite: CSC 191 with a minimum grade of "C-." Responsibilities of the computing professional, social implications of computing, privacy, crime and abuse, risk and liabilities, copyright, and patents.

**CSC 310 Data Structures.** (3) I, II. Prerequisites: CSC 191 and CSC 195 with a minimum grade of "C-." in both. The application and implementation of data structures including arrays, stacks, queues, linked lists, and trees. Internal searching and sorting techniques. The analysis of algorithms.

**CSC 312 File Processing.** (3) I, II. Prerequisite: CSC 310 with a minimum grade of "C-." File organization and file storage devices. Topics include external sorting, sequential file processing, hashing, B+ trees, and introduction to databases.

**CSC 320 Introduction to Algorithms.** (3) A. Prerequisites: CSC 310 with a minimum grade of "C" and MAT 124. Fundamental algorithms required in computer science; algorithm design/analysis methods, graph algorithms, probabilistic and parallel algorithms, and computational models.

**CSC 330 System Environments & Networks.** (3) A. Prerequisite: CSC 191 with a minimum grade of "C-." Introduction to computer system environments, utilities, system administration, and networking.

**CSC 340 Ethics & Software Engineering.** (3) A. Prerequisite: CSC 310 with a minimum grade of "C-." Responsibilities of software professionals, social implications of software such as privacy, crime and abuse, risk and liabilities, copyright, and patents, software project planning, software requirements analysis, software design, and software testing.

**CSC 349 Applied Learning in Computer Science.** (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: students must have successfully completed 30 semester hours of course work including six hours of Computer Science major courses. In addition, transfer students must have completed at least one semester of full-time course work at EKU. Work in placements related to academic studies. A maximum of three hours may be applied toward the Computer Science technology option degree only. Credit does not apply to general Computer Science

major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit. Credit may only be awarded in the semester in which the work is completed.

**CSC 349 A-II Cooperative Study: Computer Science.** (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: students must have successfully completed 30 semester hours of course work including six hours of Computer Science major courses. In addition, transfer students must have completed at least one semester of full-time course work at EKU. Work in placements related to academic studies. A maximum of three hours may be applied toward the Computer Science technology option degree only. Credit does not apply to general Computer Science major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit. Credit may only be awarded in the semester in which the work is completed.

**CSC 350 Principles of Programming Languages.** (3) I, II. Prerequisites: CSC 200, CSC 302, CSC 310 with a minimum grade of "C-." in all three courses. The principles used in the design and implementation of programming languages. Language descriptions, structural implementations, and specialized features of languages.

**CSC 370 Computer Architecture.** (3) A. Prerequisites: CSC 200 and EET 252. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

**CSC 390 Advanced Programming Techniques with \_\_\_\_.** (3) A. Prerequisite: CSC 312. Advanced programming with a selected programming language, with appropriate applications. May be taken to a maximum of six hours, provided the languages are different.

**CSC 400 Operating Systems.** (3) I, II. Prerequisites: CSC 302, 320 and 370. Overall structure of multiprogramming systems, details of addressing techniques, memory-management, file system design and management, traffic control, interprocess communication, system module design, interfaces.

**CSC 401 Network and System Programming.** (3) A. Prerequisites: CSC 302, CSC 370 or EET 254. Technical programming in the UNIX and the Internet environments: shell scripts, TCP/IP, HTML, CGI, and JavaScript. Survey of Internet protocols.

**CSC 425 Compiler Construction.** (3) I, II. Prerequisites: CSC 320 and 350. Basic concepts of lexical analysis and syntax analysis. A programming team project will implement these concepts.

**CSC 440 Applied Software Engineering.** (3) A. Prerequisites: CSC 312 and 340 with a minimum grade of "C-." in each. Techniques and tools for software requirements, software design, software testing, and software project planning as a team project for majors in computer science.

**CSC 460 Computer Network & System Administration.** (3) A. Prerequisite: CSC 400 or 401 or CSC 310 and 330. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internetworking, and server-side technology to create interactive web pages.

**CSC 490 Seminar in \_\_\_\_.** (1-3) A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced when offered. May be retaken to a maximum of 12 hours, provided that the topics are different.

**CSC 495 Independent Work.** (1-3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with the instructor. Final paper required. Student must

have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

**CSC 507 Seminar in Computer Science:** \_\_\_\_\_. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different.

**CSC 530 Concepts of Programming Systems.** (3) A. Prerequisites: three hours of a programming language and department approval. The top-down design of algorithms, structured programming, control structures, subprograms, files and lists. Programs will be written in a high level language. Credit does not apply to students who have a six hour sequence of the programming language taught in this course.

**CSC 535 Discrete Structure.** (3) A. Prerequisite: MAT 107 or equivalent. Corequisite: CSC 530. Logic, sets, functions, Boolean algebra, probability and their applications, number theory, recursion, math induction proofs with application of these topics to computer science.

**CSC 540 Integrated DB Applications.** (3). Prerequisite: CSC 310 with a minimum grade of "C-." Techniques and tools for creating an integrated database application. Topics include architecture of a client/server database, creation of named program units stored in the database and in the workstation file system, developer utilities and domain integrity.

**CSC 545 Theory of Database Systems.** (3) A. Prerequisites: CSC 312 or CSC 540. Models and principles of information systems. Database languages. The logical and physical design, and the implementation and use, of database management systems.

**CSC 546 Artificial Intelligence.** (3) A. Prerequisite: CSC 310 with a minimum grade of "C" or CSC 530. The use of programming languages to model concepts selected from artificial intelligence. The application of heuristics to problem solving. Perception and pattern recognition.

**CSC 550 Graphics Programming.** (3) A. Prerequisites: MAT 224 or 224H, 214, CSC 312 and 320. Drawing graphic primitives (lines, circles, etc.), filling and transforming graphic objects, clipping, representing curves (splines, fractals), representing 3D objects, projection, visible-surface detection, 3D transformations.

**CTE-Career and Technical Education**  
Dr. William E. Davis, Chair

**CTE 164 Orientation to Career and Technical Education.** (3) A. Instruction to new technical teachers in areas of principles of instruction, lesson planning, oral instruction, instructional media, demonstrations, evaluation and follow-up. Satisfactory-unsatisfactory grading.

**CTE 203 Career and Technical Education Staff Exchange.** (2-9) A. For in-service vocational teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an occupational setting. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

**CTE 204 Related Science, Mathematics, and Technology in Occupations I.** (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

**CTE 205 Manipulative Skills in Occupations I.** (3) A. Offered only through technical competence examination; applicant must be eligible for vocational/teaching certificate.

**CTE 206 Related Knowledge: Occupations I.** (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.



**CTE 261 Foundations of Career and Technical Education.** (3) A. Formerly TTE 261. A study of the historical, philosophical, economical, sociological, and psychological foundations of career and technical education related to elementary, secondary, and post-secondary education.

**CTE 302 New Developments in Industry.** (1-6) A. Concurrent enrollment in approved industry sponsored course. One hour credit for each week of enrollment (minimum of 20 class hours per week). Student required to present proof of completion and to develop a teaching unit on the new development. May be retaken provided the industry sponsored school is different. Graded on a satisfactory-unsatisfactory basis. Only in-service vocational education teachers may enroll.

**CTE 304 Related Science, Mathematics, and Technology in Occupations II.** (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

**CTE 305 Manipulative Skills in Occupations II.** (3) A. Offered only through technical competence examination; applicant must be eligible for vocational/teaching certificate.

**CTE 306 Related Knowledge: Occupations II.** (3) A. Offered only through written examinations; applicant must be eligible for vocational teaching certificate.

**CTE 361 Course Materials in Career and Technical Education.** (3) A. Formerly TTE 361. The preparation of instructional materials and instructional techniques, including the development and use of instructional media. The content will include the development of curricula at appropriate levels of education and appropriate laboratory activities.

**CTE 363 Evaluation in Career and Technical Education.** (3) A. Methods of evaluation, preparation of measuring devices; methods of assessing technical competency; interpretation of standardized test results; statistical analysis of test data and the improvement of instruction.

**CTE 364 Methods in Career and Technical Education.** (3) A. Presentation and application of instructional materials, methods, techniques, and devices relevant to teaching technical subjects.

**CTE 463 Practicum in Career and Technical Education.** (4-12) A. Observation, participation and supervised teaching in vocational and technical education. Includes experiences in lesson planning, classroom management, record keeping, development and use of instructional materials and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

**CTE 469 Seminar in Teaching Industrial Education.** (4) A. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed four years of successful teaching experience.

**CTE 504 Career and Technical Education Staff Exchange.** (2-9) A. For in-service teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an occupational setting. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. May be retaken if occupational setting is different. Satisfactory-unsatisfactory grading.

#### DES—Design

Mr. Edward Hale, Acting Chair

**DES 121 The Interior Environment.** (3) A. An orientation to the profession: relationship to allied fields, contemporary developments, professional organizations, career options and philosophical approaches. Introduction to the principles and elements of design, programming, space planning, and decorative ornamentation. Open only to non-Interior Design majors.

#### DES 122 Graphic Communication in ID.

(3) I. Emphasis on graphic communication as part of the design process for interior designers. Integration of drawing skills and color usage employed in graphic representational methods used to analyze and describe interiors and conceptual ideas. Studio.

#### DES 126 Computers and Interior Design.

(3) I. Focuses on instruction in CAD software (AutoCAD) with brief introductions to word processing, spreadsheet, database, presentation, and rendering software as well as an examination of the role of e-mail and the Internet in the profession of interior design. Studio.

#### DES 222 Visual Studies in ID.

(3) I. Prerequisites: ART 100, 152, 153; DES 122. A study of two and three-dimensional design theories including color theory and special organization focusing on their application to interior design. Communication of design problems solutions through practical and creative application of both graphic and model making techniques as part of the design process and solution.

#### DES 225 Interior Materials.

(3) A. An investigation of the interior finish materials and component systems used in the design profession: their properties, performances, application and installation techniques, presentation methods including sample boards, as well as the appropriate trade sources.

#### DES 226 Concepts in Residential Design.

(3) I. Prerequisite: DES 222. The study of the concepts and requirements in residential interior design. Programming, space planning, and study of functional and aesthetic aspects of residential environments will result in appropriate oral and visual presentations. Studio.

#### DES 250 Design I: Intro to Graphic Design.

(3) I. Prerequisites: ART 100 and 152. Introduction to the field of professional graphic design, its conceptual and technical makeup. Discussion of varied approaches to graphic design and problem solving in several areas of specialization.

#### DES 251 Software for Graphic Design I.

(3) I. Prerequisites: ART 100, 152, 153; Corequisite: DES 250. An in-depth introduction to image-editing and vector-based drawing software. A step-by-step approach to mastering basic computer skills as well as intermediate techniques. Demonstrates the ways these applications can be used in design, illustration, print and electronic presentations.

#### DES 252 Software for Graphic Design II.

(3) II. The integration of image-editing, drawing, and page layout software to produce complex graphic design solutions.

#### DES 254 Typography.

(3) II. Prerequisites: DES 250, 251; Corequisite: DES 252. A study of the design and use of letter forms as it relates to graphic design. Emphasis on practical and aesthetic concerns, hierarchy of information, characteristics and specifications. Historical and contemporary issues will be discussed.

#### DES 317 Interior Design Study Tour I.

(1-3) A. Prerequisite: 30 hours in the Interior design major or approval. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and/or display of items such as furniture and accessories. Special project required.

#### DES 319 Seminar in Interior Design.

(1-3) A. A study of technical information relevant to interior design. Course content to be determined by student interest and needs. May be retaken to a maximum of six hours provided the content is different.

#### DES 322 Concepts in Contract Design.

(3) I. Prerequisites: DES 226 and 330. Major GPA 2.67. Corequisites: TEC 331 and DES 325. Programming, space planning, and the application of design elements and principles in small-scale contract design, resulting in appropriate oral and visual presentations. Studio meets for 3 hours twice a week.

#### DES 325 Professional Practice in ID.

(3) I. Prerequisite: DES 322. An examination of the profession of interior design including history, procedures, documents, organizations, trade resources, certification, management, and ethics.

#### DES 326 Advanced Studio in ID.

(3) II. Prerequisite: DES 322. Analysis, organization, advance programming, and large-scale commercial and residential environments, emphasizing special populations and institutional design, resulting in functional and aesthetic design solutions. Studio meets for 3 hours twice a week.

#### DES 327 History of Interior Design I.

(3) II. Prerequisite or Corequisite: ART 390 and 391. The study of the history and theory of architecture, interiors, and decorative arts from the Renaissance through the nineteenth century. An examination of the significance and application to current design problems.

#### DES 328 History of Interior Design II.

(3) I. Prerequisite: DES 327. The study of the history and theory of architecture, interiors, and decorative arts from the nineteenth century through the present day. An examination of the significance and application to current design problems.

#### DES 330 Structural & Interior Systems.

(3) II. Prerequisite: CON 250. Introduction to lighting with an emphasis on theory, codes, and practical application/selection of lighting to enhance interior space. Integration of lighting issues that are essential and specific to the industry and profession of interior design.

#### DES 332 Housing Alternatives for Elderly.

(3) A. Examination of the housing options and alternatives for the elderly population resulting in an awareness of and responsiveness to the needs of the user.

#### DES 350 Design II.

(3) II. Prerequisite: DES 250. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

#### DES 351 Design III.

(3) I. Prerequisite: DES 250. An in-depth study of visual imagery as a communicative and narrative medium using a wide range of both traditional and digital media in black and white and color.

#### DES 353 Production for Graphic Design.

(3) II. Prerequisites: DES 252, 254, and admission to BFA program. Preparation of electronic files with regard to the reproduction of printed matter in both spot and four-color processes. Students will consider alternatives in the preparation of camera-ready art. The reproduction of typography, illustration, photography, and graphics will be discussed. The students will work on real life projects when applicable to bring an appreciation to the craft of the printed matter.

#### DES 421 Supervised Field Experience.

(6) II. Prerequisites: open to Interior Design B.A. students only, DES 325 and 326, minimum 2.25 overall GPA, and 2.8 major GPA. Observation of an interior design firm's operation and program, with performance in assigned tasks under supervision. Students are placed with an architecture, interior design or design-related firm for a continuous full time ten-week experience during the summer between their junior and senior year.

#### DES 422 Historic Preservation Studio.

(3) I. Prerequisites: DES 326 and 328. The study of historic preservation and restoration issues in interior design practice. Studio problems will include an examination of preservation philosophy and methodology. Research methodology, advanced programming and space planning in residential and contract design with studio experiences in both historic restoration and adaptive-use problems will result in appropriate oral and visual presentations. Studio will include an in-depth study of historic American architecture, interiors and decorative arts. Studio meets for 3 hours twice a week.

**DES 424 Issues in Interior Design.** (3) A. Prerequisite: junior standing or departmental approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

**DES 426 Studio VI: Senior Thesis.** (3) II. Prerequisites: DES 421 and 422. Corequisite: ART 499. Advanced studio experiences requiring students to design a comprehensive project summarizing elements, principles, and techniques of design. Students choose and develop a project through design research and programming. Studio meets for 3 hours twice a week.

**DES 452 Graphic Design and the Web.** (3) I. Prerequisites: DES 252 and admission to the BFA program. Introduction to both the artistic and technical aspects of web site creation, including XHTML scripting, image creation using Adobe Photoshop, file formats for the Web, transferring files and more. A fundamental knowledge of Photoshop and Illustrator is required to enter this course.

**DES 453 Design IV - Systems Design.** (3) I, II. Prerequisite: DES 353. A systematic approach to advanced graphic design. Focus on advanced graphic design using a series format. Both two and three dimensional concerns will be addressed.

**DES 454 BFA Graphic Design.** (3) I, II. Prerequisites: DES 453 and approval of BFA committee. Corequisite: ART 499. Course includes preparation for senior show; writing of senior thesis, and portfolio assembly.

**DES 517 Interior Design Study Tour II.** (1-3) A. Prerequisite: Interior Design major who has completed 90 hours or departmental approval. Tour of interior design resources, wholesale and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects.

#### ECO—Economics Dr. John Wade, Chair

**ECO 110 The Individual and the Economy.** (3) A. Prerequisite: MAT 095 or ACT math score of 18 or higher. An examination of the nature and role of individual decision making in the economy; the economic environment and the individual's decisions; public policies and the decisions of the individual. Credit will not be awarded to students who have credit for ECO 230 or 231. Gen. Ed. 12

**ECO 120 Economics In a World Setting: Principles.** (3) I, II. Prerequisite: MAT 095 or ACT math score of 18 or higher. A general education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major. Gen. Ed. 09. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 120.

**ECO 130 Contemporary Economic Problems.** (3) I, II. Prerequisite: MAT 095 or ACT math score of 18 or higher. A general education economics course dealing with such contemporary economic problems as unemployment, inflation, national debt, energy, health, pollution, education, crime, and protectionism. Does not count toward the economics major. Gen. Ed. 12. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 130.

**ECO 220 Statistical Methods for Economics I.** (3) I, II. Prerequisite: MAT 107. Business and economic applications of frequency distributions, measures of location, variation; probability, sampling, estimation, test of hypothesis, linear regression, index numbers, and time series analysis. Credit will not be awarded to students who have credit for CRJ 400 or EPY 842 or HEA 450 or PSY 301 or QMB 200 or STA 208 or STA 215 or STA 270.

**ECO 230 Principles of Economics I.** (3) I, II. Prerequisite: MAT 095 or ACT math score of 18 or higher. Microeconomic principles, including the study of opportunity cost, consumer and producer

choices, market demand and supply, pricing and resource allocation, comparative advantage and international trade. Gen. Ed. 09.

**ECO 231 Principles of Economics II.** (3) I, II. Prerequisite: MAT 095 or ACT math score of 18 or higher. Macroeconomic principles, including the study of measures of national economic performance, determinants of aggregate production, employment and prices, monetary and fiscal policy, balance of payments, economic growth and development. Gen. Ed. 12.

**ECO 233 Experiments in Microeconomic Principles.** (1) A. Pre or Corequisite: ECO 230. Classroom experiments that demonstrate the major principles of microeconomics. 2 Lab.

**ECO 300 Managerial Economics.** (3) I, II. Prerequisite: ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

**ECO 314 Sports Economics.** (3) A. Prerequisite: ECO 230 or departmental approval. Economics applied to sports. Topics include collusive versus competitive behavior, pricing strategies, government subsidies of sports ventures and venues and sports labor markets.

**ECO 315 Economic Policy Analysis.** (3) A. Prerequisite: ECO 230. Foundations and rationale for economic policy, including market failure and income inequality. Objectives, evaluation and analysis of selected policies in areas such as international trade, environment, education, health care, welfare, social security, and economic development.

**ECO 320 Statistical Methods for Economics II.** (3) I. Prerequisite: ECO 220, STA 270, QMB 200 or departmental approval. Cross listed as STA 320. Business and economic applications of sampling, probability, time series analysis, index numbers, simple linear regression, correlation, the chi-square, analysis of variance, multiple regression and correlation, and non-parametric statistics. Credit will not be awarded to students who have credit for ECO 848 or EPY 843 or QMB 300 or STA 320 or STA 500.

**ECO 324 Money and Banking.** (3) I, II. Prerequisite: ECO 231. Functions of money, monetary systems, history of banking, functions of the commercial bank, bank assets and reserves, loans and discounts, bank supervision, the Federal Reserve System, central banking policies, monetary and fiscal policies.

**ECO 330 Intermediate Microeconomics.** (3) I. Prerequisite: ECO 230. Analysis of consumer and producer behavior; market equilibrium, pricing and resource allocation under alternative market structures, risk aversion and information.

**ECO 331 Intermediate Macroeconomics.** (3) II. Prerequisite: ECO 231. Analysis of aggregate economic activity; consumption, investment, employment, output, money and prices, exports and imports; stabilization policy.

**ECO 333 Human Resource Economics.** (3) A. Prerequisite: ECO 230. Economics of human resource markets, including the demand for and supply of labor, human capital formation, household production, unions, discrimination, unemployment, and associated public policy issues.

**ECO 340 Environmental Economics.** (3) A. Prerequisite: ECO 230. Applications of basic economic analysis to a study of the environment and environmental problems. Major topics include benefit-cost analysis for environmental decision making, the potential for market-based solutions to environmental problems, and the role and development of environmental policy.

**ECO 345 Topics in Economics.** (1-3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters. May be retaken to a maximum of six hours, provided the subject matter differs each time.

**ECO 349 Applied Learning in Economics.** (1-3) A. Prerequisite: minimum GPA 2.25. Co-curricular work experience under faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.

**ECO 349 A-II Cooperative Study: Economics.** (1-3) A. Prerequisite: minimum GPA 2.25. Co-curricular work experience under faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.

**ECO 360 Industrial Organization.** (3) A. Prerequisite: ECO 230 or equivalent. Studies the strategic interactions of firms in imperfectly competitive markets, market performance, and public policy.

**ECO 365 Public Finance.** (3) A. Prerequisite: ECO 230. Economics of the public sector, including the scope of and rationale for government, public goods and externalities, voting schemes and public choice, taxes and subsidies, and transfer payments.

**ECO 370 Health Care Economics.** (3) I. Prerequisite: ECO 230 or departmental approval. Introduction to health economics, including the study of the demand for and production of medical care, health care planning, regulation, finance and evaluation.

**ECO 394 International Economics.** (3) I. Prerequisites: three hours ECO. An introduction to international trade and investment theory emphasizing international business, international trade theory, trade and investment patterns, payments system, balance of payments, international companies, and international issues.

**ECO 395 Economics of Developing Countries.** (3) A. Prerequisite: three hours ECO. Economics of development including: theories of growth, income distribution, investment in human capital, alleviation of poverty, strategies for growth; study of selected countries.

**ECO 410 History of Economic Thought.** (3) A. Prerequisites: three hours of ECO. The history of economic ideas from Adam Smith through J.M. Keynes.

**ECO 415 American Economic History.** 3 (A). Prerequisite: 3 hours of HIS or departmental approval. Cross-listed with HIS 415. Factors spurring and hindering American growth and development from the colonial period through the present.

**ECO 420 Econometrics.** (3) II. Prerequisite: ECO 320 or departmental approval. Use of economic theory and statistics in the formulation, estimation, and testing of economic models. Applications in the analysis of consumer and producer behavior, markets, and macroeconomic relations.

**ECO 430 Mathematical Economics.** (3) A. Prerequisites: three hours of ECO and MAT 124, 211, or 261. Mathematical formulations of economic theories. Models of the consumer, the firm, markets, economic growth, and business cycles.

**ECO 490 Senior Seminar in Economics.** (3) A. Prerequisites: ECO 330, 331, and senior standing, or departmental approval. Reading, analysis and discussion of selected economics topics. Preparation of student research paper.

**ECO 492 Business Cycles.** (3) A. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories, spending and saving decisions, government expenditures and tax patterns, prices, output, and employment, historical cyclical patterns, economic forecasting.

**ECO 560 Special Problems in Economics.** (1-4) A. Prerequisite: advisor/departmental approval. Independent work, special workshop, special topics or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.



**ECO 580 Natural Resource and Environmental Economics.** (3) **A.** Prerequisite: ECO 230 or departmental approval. Economic tools used in the allocation of natural resources including: policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment.

**ECO 590 Regional Economics.** (3) **A.** Prerequisite: three hours of ECO. Analysis of patterns of regional growth and development. Use of economic models for regional forecasting and policy evaluation; the problems of marginal areas in developed economies.

**EDF—Educational Studies**  
**Dr. Michael A. Martin, Chair**

**EDF 103 Introduction to Education.** (1) **I, II.** An exploration of the professional qualities and expectations of a teacher/educator. Roles, responsibilities and challenges in the field of education will be reviewed. Eight hours of field experiences in schools are required. For pre-education and non-education majors.

**EDF 203 Schooling and Society.** (3) **I, II.** Prerequisite: score accepted by the Kentucky Education Professional Standards Board on one of the approved tests: ACT, PPST, SAT, GRE. Prerequisite or Corequisite: Satisfactory grade in EDF 103 or enrolled in EDF 103. An introduction to social and cultural influences on schools, the purposes of schooling, the governance, financing, and administration of schools, and the role of the individual as an educator. 12 hours of field experience required.

**EDF 310 Transition to Education.** (1-3) **I, II.** Transition to professional education at ECU. Required of students who have an equivalent transfer course for EDF 203.

**EDF 319 Human Development and Learning.** (3) **I, II.** Prerequisite: satisfactory grade in EDF 103; EDF 203 with grade of "C" or higher and a score accepted by the Kentucky Education Professional Standards Board on one of the approved tests: ACT, PPST, SAT, GRE. The study of theories and principles of human development and learning as applied to the classroom. Fifteen hours of field laboratory experiences. Credit not awarded to students with credit for EDF 320.

**EDF 320 Human Development and Learning for Vocational Education.** (3) **I, II.** The study of theories and principles of human development and learning as applied within vocational-industrial technical education classrooms. Credit not awarded to students with credit for EDF 319.

**EDF 413 Assessment in Education.** (3) **I, II.** Prerequisite: admission to teacher education. Principles and procedures in assessing and evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Assessment construction, analysis, item analysis. Marking systems, and authentic assessment systems will be addressed.

**EDO—Education Orientation**  
**Dr. Mark Wasiesko, Dean**

**EDO 100 Academic Orientation.** (1) **I.** Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at ECU; beyond that open to students with fewer than 30 semester hours earned.

**EET—Electricity and Electronics Technology**  
**Dr. William E. Davis, Chair**

**EET 251 Electricity and Electronics.** (3) **I, II.** Principles of basic electricity and AC-DC circuit analysis. Emphasis on electrical and electronic circuits and applications. This is a mathematically-oriented course. 2 Lec/2 Lab.

**EET 252 Digital Circuits.** (3) **I, II.** Prerequisite: grade of at least "C" in MAT 090 or equivalent. A survey of digital and microprocessor fundamentals and applications. Gates, counters, decoders, displays, converters, microprocessors, memory systems, I/O devices, and microcomputer systems are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/2 Lab.

**EET 253 Microprocessor Systems.** (3) **I, II.** Prerequisite/Corequisite: EET 252. The operation and application of the microprocessor in desktop and process control systems. Data, address, and control signals; memory expansion; digital and analog input and output ports; power control interface; and data communications are covered in the laboratory. 2 Lec/2 Lab.

**EET 254 Machine Language for Microcontrollers.** (3) **A.** Prerequisite/Corequisite: EET 252. Machine language programming for ROM based microprocessor based industrial controllers. Emphasis on software manipulation of I/O control devices in real-time, interrupt driven, process control environments. 2 Lec/2 Lab.

**EET 257 Electronic Circuits and Devices.** (3) **II.** Prerequisite: EET 251. A technical analysis of the characteristics of solid state devices and the common circuits that utilize these devices. Emphasis on problem solving supplemented by laboratory analysis of electronic circuits and devices. 2 Lec/2 Lab.

**EET 302 PC Selection & Troubleshooting.** (3) **A.** This course covers the operation and troubleshooting of microprocessors, system memory, computer architecture, video types, hard drives, mice, and printers as they relate to the running of current application programs. 2 Lec/2 Lab.

**EET 303 LANs & PC Communications.** (3) **A.** This course provides the participant with basic information on installing, troubleshooting and using microcomputer communication and local area network hardware and software. 2 Lec/2 Lab.

**EET 305 Linear Electronic Circuits.** (3) **A.** Prerequisite: EET 257. An analysis of electronic control circuits and devices to include both linear and nonlinear amplifiers. 2 Lec/2 Lab.

**EET 313 Cisco Networking.** (3) **A.** Prerequisite: EET 303. This course covers Cisco internetworking, switching, IOS, routing, VLAN's, access lists, and WAN protocols. 2 Lec/2 Lab.

**EET 350 Industrial Electronics I.** (3) **I.** Prerequisite: EET 257. Principles of tuning, power control circuitry, transducers, and programmable controllers in commercial and industrial applications. 2 Lec/2 Lab.

**EET 351 Programmable Logic Controllers.** (3) **I, II.** Prerequisite: EET 251. The study of programmable logic controllers (PLCs). PLC functioning theory, selection, wiring, and programming. 2 Lec/2 Lab.

**EET 352 Electrical Power Technology.** (3) **A.** Prerequisite: EET 251. The production, distribution, measurement, and control of electrical power systems; single phase and three-phase systems, transformers, electrical machinery, and lighting systems. 2 Lec/2 Lab.

**EET 354 Microcomputer Security.** (3) **I.** Prerequisite: EET 303. System considerations involved in implementing memory and input/output maps, clock and reset circuits, bus controllers, and disk drive controllers. The course includes testing and configuring security on PCs. 2 Lec/2 Lab.

**EET 355 Electronic Control Systems.** (3) **II.** Prerequisite: EET 351. A structured independent research course which serves as a "capstone" experience for Computer Electronics Technology. Research and analysis involves electronic/computer technology, equipment control and control system application.

**EET 356 Communication Electronics.** (3) **II.** Prerequisites: EET 252 and 257. A survey of digital and analog communication systems with an emphasis on digital communications. Digital, RS-232, Pulse, Microcomputer, LANs, AM, FM, TV, fiber optic, and microwave communications are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/2 Lab.

**EET 403 Advanced LANs and PC Communication.** (3) **II.** Prerequisite: EET 303. This course will cover installation, configuration, troubleshooting and maintaining server set up. The participants will be given the opportunity to setup and run server operating systems with Ethernet hardware. 2 Lec/2 Lab.

**EET 440 Fiberoptic Communication.** (3) **I.** Prerequisite: EET 257. This course will cover the basic concepts of laser and fiberoptic media and principles. Participants will be involved in activities utilizing fiberoptic cables to connect computers in network systems. 2 Lec/2 Lab.

**EET 452 Digital Electric Drives.** (3) **II.** Prerequisites: EET 251 and EET 352. The course will cover analysis, installation, and maintenance of digital power conditioning drive. The participants will study the AC-AC, DC-DC, AC-DC, and DC-AC drives. 2 Lec/2 Lab.

**EET 455 Electronic Control Systems II.** (3) **II.** Prerequisite: EET 403. A structured independent research course which serves as a (capstone) experience for Computer Electronic Networking Technology. Research and analysis involves electronic/computer technology, equipment control, and control system application.

**EHS—Environmental Health Science**  
**Dr. Darryl Barnett, Chair**

**EHS 225 African/African-American Health Issues.** (3) **I.** Provides the student with an understanding of the medical and public health issues relevant to the maintenance of health conditions both in the United States and Africa.

**EHS 230 EHS Diseases and Hazards of Leisure.** (3) **II.** Provides the student with an understanding of the biological, chemical and physical threats to health and life from the recreational, amusement, travel and tourist environments.

**EHS 280 Introduction to Environmental Health Science.** (3) **A.** Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

**EHS 285 EHS Professional Standards.** (1) **A.** Provides the student with the personal and professional tools to succeed as an environmental health professional. Information related to required professional certifications, ethical demands, and professional standards and practices will be provided.

**EHS 290 Seminar in Environmental Health.** (2) **II. A.** Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems.

**EHS 300 Water Supplies and Waste Disposal.** (4) **I, II.** Prerequisite: EHS 280. Corequisite: BIO 320. Drinking water safety in both individual private systems and larger public systems. Maintenance of raw water quality. Water purification, delivery systems, and surveillance. Techniques for collection, treatment, and disposal of sewerage.

**EHS 330 Environmental Control of Disease Vectors.** (3) **II.** Prerequisite: BIO 141. The identification and control of arthropods, arachnids, rodents, and other vectors of disease. Safe use of pesticides will also be discussed.



**EHS 335 Hazardous and Solid Waste Management.** (3) I, II. Prerequisites: CHE 111 and EHS 280; or instructor approval. Nature of toxic and hazardous wastes and methods for their disposal to protect health and the environment and to prevent contamination of groundwater. The environmental health and safety aspects of solid waste collection, treatment and disposal, and regulations governing waste management are also covered.

**EHS 340 Industrial Hygiene.** (3) I, II. Prerequisites: BIO 141, CHE 111, and EHS 280; or instructor approval. The impact of the workplace on safety and health, and methods for avoiding work-related illnesses. Emphasis will be on the evaluation and the control of the work environment to protect worker health.

**EHS 345 Advanced Industrial Hygiene.** (3) II. Prerequisite: EHS 340 or instructor approval. In-depth discussion of the chemical and physical hazards of the workplace and their evaluation and to provide hands-on experience in industrial hygiene sampling and analysis.

**EHS 349 Applied Learning in Environmental Health Science.** (1-6) I, II, A. Prerequisite: departmental approval. Work in placements related to academic studies. One to six hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

**EHS 349 A-II Cooperative Study: Environmental Health Science.** (1-6) I, II, A. Prerequisite: departmental approval. Work in placements related to academic studies. One to six hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

**EHS 355 CBR Terrorism & Env. Health.** (3) II. This course will provide students with environmental health principles required to protect individuals and communities in times of war, general emergencies and disaster, both natural and human, due to chemical, biological and radioactive threats.

**EHS 360 Air Pollution and Health.** (4) A. Prerequisites: CHE 112 and EHS 280; or instructor approval. Health effects of air pollution, including a discussion of the primary sources of airborne pollutants, their transport and transformation, the control of air pollution, state and national standards.

**EHS 370 Risk Assessment and Environmental Epidemiology.** (3) I, II. Prerequisites: EHS 280 and HEA 450; or instructor approval. The use of data to define the health effects of exposed individuals or populations to hazardous materials and situations.

**EHS 380 Food Hygiene.** (3) I, II. Prerequisites: BIO 320 and EHS 280; or instructor approval. A study of the health effects of food and milkborn disease, including a discussion of milk and foods as vehicles of infection, essentials of milk and food quality, standards for dairy, milk, and food service equipment.

**EHS 390 EHS Special Problems in Environmental Health.** (1-4) A. Prerequisite: departmental approval. For independent work, or special workshops, or special topics as they relate to environmental health issues and problems. May be retaken for maximum of four hours.

**EHS 395 Environmental Problem Analysis.** (3) II. Prerequisites: EHS 335, 340, and MAT 107 or 109; or instructor approval. Application of the student's knowledge gained from technical course work to analyze environmental problems. Emphasis is on logically solving environmental health issues that the student can expect when working in the field.

**EHS 410 Radiological Health.** (3) I. Prerequisites: EHS 280, MAT 107, and PHY 131. Corequisite: PHY 131. A discussion of the health effects from ionizing radiation, including radiation sources, detection, measurement, control, and safety devices.

**EHS 425 Environmental Health Program Planning.** (3) A. Prerequisites: EHS 280, 300, and 335. Administration, planning, implementation, and evaluation of environmental health programs.

Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with community, state, and regional agencies.

**EHS 440 Environmental and Industrial Toxicology.** (3) II. Prerequisites: CHE 112 and EHS 280; or instructor approval. Health effects and nature of toxic substances with discussion of dose-response relationships, latency, target organs, and potential exposures in the environment.

**EHS 460 Housing and Institutional Environments.** (3) A. Prerequisite: EHS 280 or instructor approval. Discusses the requirements for healthful housing means of attaining and maintaining these requirements. Reviews environmental health concerns relating to day-care centers, schools, hospitals, nursing homes, and prisons. Describes surveillance, evaluative, and corrective methods.

**EHS 463 Field Experience in Environmental Health.** (6) A. Prerequisites: EHS 300, 335, 380, and departmental approval. Supervised and directed field experience in local, state, regional environmental health agencies, or with appropriate industries. Eight to twelve weeks full-time required depending on work place.

**EHS 485 EHS Professional Practice Seminar.** (1) A. Prerequisite: 90 hours. Provides the graduating student a certification and licensure review for their required state and national exams. The student will also be taught how to develop professional success strategies and long range career plans.

**EHS 498 Independent Study in Environmental Health.** (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department coordinator prior to enrollment. Opportunity for individual work on an environmental health research problem in a supervised situation.

**ELE—Elementary Education**  
**Dr. Michael A. Martin, Chair**

**ELE 322 Physical Education in the Elementary School.** (2) I, II. The study of the role of movement for the elementary school child; philosophy, principles, purposes, and programs of elementary physical education. Educational dance, educational gymnastics, and educational games are emphasized.

**ELE 361 Art in the Elementary Grades P-5.** (3) I, II. Fundamental concepts of art education and those found in KERA. Exploration of art materials, processes, and activities for children in the elementary grades including those with special needs. Ten field/clinical hours.

**ELE 362 Music Education for the Classroom Teacher.** (3) I, II. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school. Ten field/clinical hours.

**ELE 365 Health Education P-5.** (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition, fitness, consumerism, environment, disease, and personal health. Ten field/clinical hours.

**ELE 445 Foundations of Reading/Language Arts.** (3) I, II. Cross listed as EMG 445. Prerequisites: junior standing and 2.5 GPA. An overview of reading/language arts components P-5, teacher competencies, organization and planning for instruction. Twenty field/clinical hours.

**ELE 446 Reading and Language Arts P-5.** (3) I, II. Prerequisites: minimal grade of "C" in ELE 445 and admission to professional education. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Twenty field/clinical hours.

**ELE 490 Classroom Management in the Elementary Grades P-5.** (3) I, II. Prerequisite: admission to teacher education. Critical examination of effective classroom management in grades P-5. Emphasis on theories, strategies, and applications through study, discussion, observation, and participation. Twenty field/clinical hours.

**ELE 491 Mathematics in Elementary Grades P-5.** (3) I, II. Prerequisites: admission to teacher education and minimal grade of "C" in MAT 202. Methods and materials of teaching P-5 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving. Twenty field/clinical hours.

**ELE 492 Science in the Elementary Grades P-5.** (3) I, II. Prerequisite: admission to teacher education. Modern materials and methods for teaching science in primary through grade five. Five discussion-laboratory hours per week. Twenty field/clinical hours.

**ELE 493 Social Studies in Elementary Grades P-5.** (3) I, II. Prerequisite: admission to teacher education. Theory, content, and practice of teaching Social Studies in grades P-5. Twenty field/clinical hours.

**ELE 499 Supervised Student Teaching in Primary Through Fifth Grade.** (6-12) I, II. Prerequisites: methods courses and area of specialization. Observation, participation, responsible classroom teaching, and related professional activities including students from two non-consecutive levels in the P-5 range.

**ELE 507 Problems in Elementary Education.** (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminar.

**ELE 519 Teaching in the Kindergarten.** (3) I, II. Focuses upon the kindergarten movement, organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

**ELE 541 Survey of Elementary Curriculum Programs.** (3) I, II. For selected majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

**EMC—Emergency Medical Care**  
**Nancy Davis, Coordinator**

**EMC 100 Basics of Prehospital Medication Administration.** (1) I, II. Presentation of basic principles of prehospital emergency pharmacological administration, fundamentals of relationships between units of measure. Typical emergency medicine dosages practices.

**EMC 102 First Response Emergency Care.** (3) I, II, A. Initial emergency medical care techniques adhere to U.S. Department of Transportation curriculum for First Responder. Cardiopulmonary resuscitation (CPR) required for course completion. Credit will not be awarded to students who have credit for HEA 202 or HEA 203. 2 Lec/2 Lab.

**EMC 104 Healthcare Basic Life Support.** (1) I, II, A. Basic cardiac life support skills for healthcare student or professional in accord with peer-reviewed American Heart Association (AHA) scientific guidelines. Course completion documentation when AHA requirements met. Maximum 6 enrollments for renewal. 0.25 Lec/0.75 Lab.

**EMC 110 Introduction to Emergency Medical Care.** (6) I, II, A. Prerequisite or Corequisite: EMC 104. Prehospital basic life support concepts, skills, and field clinical experience for entry level Emergency Medical Technician-Basic adhering to national curricula. Meets eligibility requirements for state certification and national registration examinations. 3 Lec/6 Lab.

**EMC 115 Basic Clinical/Field Experience.** (2) I, II, A. Prerequisite: EMC 110. Minimum of 64 hours supervised hospital emergency department and prehospital emergency care ambulance clinical experience. Preceptor evaluates basic life support knowledge and skills.

**EMC 130 Human Systems for Assessment.** (3) A. Overview of human body and its systems as applied to rapid patient assessment and problem identification. Limited to certified paramedic students only.

**EMC 200 Introduction To Prehospital Advanced Life Support.** (2) II, A. Role and responsibilities of EMT-Paramedic, components of EMS systems, medical/legal considerations, and communications in advanced and basic life support settings.

**EMC 205 Prehospital Management of OB/GYN Emergencies.** (1) I, A. Pathophysiology and advanced level prehospital management of antepartum, parturition, postpartum, and gynecological emergencies. Assessment, care, and transportation of the neonate.

**EMC 212 Crash Victim Auto Extrication.** (1) I, A. Survey of vehicle extrication procedures for emergency medical personnel. Adheres to U.S. Department of Transportation content and objectives. 1 Lec/1 Lab.

**EMC 215 Prehospital Management of Behavioral Emergencies.** (1) I, A. Concepts and management of emotional and psychological emergencies applied to prehospital crisis intervention.

**EMC 225 Introduction to Pharmacology.** (3) I, II, A. Introduction to classification, nature, and uses of medications. Pharmacological agents utilized in prehospital health care setting emphasized.

**EMC 240 Introduction to Electrocardiography.** (3) I, II, A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

**EMC 270 EMTP: Theory/Practicum I.** (6) A. Prerequisites: EMC 130 and departmental approval. Introduction to prehospital advanced life support delivery systems, medical-legal implications, and prehospital environment. Preparatory theoretical foundation with advanced life support skills progressing to application in hospital clinical settings. Pathophysiology and management of respiratory medical emergencies.

**EMC 275 EMTP: Theory/Practicum II.** (6) A. Prerequisite: EMC 270. Continued patient skills development through hospital assignments with emphasis on emergent medical etiologies involving cardiovascular, endocrine, CNS, gastrointestinal, anaphylaxis, toxicology, infectious diseases, environmental exposure, and obstetrics. Emergencies of special populations include gerontology and pediatrics.

**EMC 280 EMTP: Theory/Practicum III.** (6) A. Prerequisite: EMC 275. Corequisite: EMC 310. Theory and hospital clinical focus on management of mass casualty including vehicular extrication techniques. Final synthesis of theory and practice through minimum of 500 hours field internship with ALS ambulance as assigned by the department.

**EMC 310 Advanced Cardiac Life Support.** (1) A. Prerequisites: EMC 240, EMC 225, and 335; or departmental approval. Management of cardiac resuscitation adhering to cognitive and performance standards of the American Heart Association. AHA ACLS Provider evidence of course completion available. 1 Lec/1 Lab.

**EMC 315 Pediatric Advance Life Support.** (1) A. Assessment, recognition, and intervention for infant or child with cardiopulmonary arrest or shock. Adheres to American Heart Association and Academy of Pediatrics cognitive and performance standards. AHA PALS Provider evidence of course completion available.

**EMC 320 Advanced Life Support: Trauma.** (3) II, A. Prerequisites: EMC 115, 240, BIO 171, 301. Prehospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

**EMC 335 Advanced Life Support: Medical Emergencies I.** (3) I, A. Prerequisites: EMC 240, BIO 171, 301, EMC 115, 225, and department approval. Pathophysiology and advanced level prehospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary, and reproductive systems.

**EMC 340 Advanced Life Support: Medical Emergencies II.** (3) II, A. Prerequisite: EMC 335. Pathophysiology and advanced level prehospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards, and pediatric and geriatric patients.

**EMC 342 Advanced Clinical I.** (3) I, A. Corequisite: EMC 335. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

**EMC 349 Applied Learning in Emergency Medical Care.** (1-8) I, II, A. Work in placements related to academic studies. A minimum of 80 hours of employment is required for each semester credit hour.

**EMC 349 A-H Cooperative Study: Emergency Medical Care.** (1-8) I, II, A. Work in placements related to academic studies. A minimum of 80 hours of employment is required for each semester credit hour.

**EMC 352 Advanced Clinical II.** (3) II, A. Prerequisite: EMC 342. Corequisites: EMC 320 and 340. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making skills developed under supervision through increased participation in patient care.

**EMC 360 Advanced Field Internship.** (2) A. Prerequisites: EMC 205, 212, 215, 310, 320, and 352. Minimum 120 hours supervised experience on paramedic ambulance. Progresses from advanced emergency care delivery observation to beginning team member responsibilities.

**EMC 362 Advanced Field Internship II.** (4) A. Prerequisite or Corequisite: EMC 360. Continuation of supervised experience on advanced life support ambulance. Assumes team member role with progression to team leader. Minimum advanced internship experience requires 500 hours.

**EMC 380 Advanced Prehospital Theory Medical.** (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management. Includes in-depth history and assessment skills.

**EMC 382 Advanced Prehospital Theory: Trauma.** (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management in trauma settings. Includes in-depth history and assessment skills.

**EMC 400 Emergency Care Systems Management.** (3) I, II, A. EMS systems design and typical agency divisions, including operations, communications, training and customer service. Projects focus on system design, training and efficiency.

**EMC 480 Topics in Emergency Medicine.** (3) I, II, A. Investigation into the pathophysiology of traumatic and medical emergencies which applies to the latest trends in recognition and management.

**EME—Elementary and Middle Grade**  
Dr. Michael A. Martin, Chair

**EME 439 Teaching Art P-8.** (3) I.

Prerequisites: admission to professional education, major in art. Developmentally appropriate curriculum, materials, and methods for the P-8 Art program. Minimum of 20 field/clinical hours.

**EME 442 Teaching Foreign Language in Grades P-8.** (3) I. Prerequisites: admission to professional education, major in foreign language. Developmentally appropriate curriculum, materials, and methods for the P-8 foreign language program. Minimum of 20 field/clinical hours.

**EME 465 Teaching Physical Education in P-8.** (3) A. Prerequisites: admission to professional education, PHE 323, major in physical education. Developmentally appropriate materials and methods for teaching P-8 physical education. Minimum of 20 field/clinical hours.

**EME 510 Art in the Curriculum.** (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into theory and media.

**EME 551 Linguistics in the Curriculum.** (3) A. Prerequisite: ELE/EMG 445, EME 873, or ELE 871. Investigation of elements in the science of linguistics and their application to communication of students.

**EME 586 Health Education P-8.** (3) A. Prerequisites: admission to professional education, major in school health. Developmentally appropriate curriculum, materials, and methods for the health P-8 program. Minimum of 20 field/clinical hours.

**EME 596 Physical Education for Children and Youth.** (3) A. Comprehensive review of techniques used in teaching physical education in the early elementary and middle grades. Emphasis placed on health evaluation, fitness testing, tumbling, rhythmical, game, and self-testing activities.

**EMG—Middle Grade Education**  
Dr. Michael A. Martin, Chair

**EMG 430 Middle Grade Curriculum.** (3) I, II. Prerequisites: admission to professional education, professional education core, EMG 445. An examination of the curriculum and the responsibilities of teaching in the middle grade. Twenty hours field/clinical experience.

**EMG 445 Foundations of Reading/Language Arts.** (3) I, II. Cross listed as ELE 445. Prerequisites: junior standing and 2.5 GPA. An overview of reading/language arts components 5-9, teacher competencies, organization and planning for instruction. Twenty hours of field/clinical experiences. Credit will not be awarded to students who have credit for ELE 445.

**EMG 447 Reading/Language Arts in the Middle Grades.** (3) I. Prerequisites: admission to professional education, professional education core, EMG 445. The theory, content and practice of teaching reading and language arts in the middle grades utilizing content area materials. Twenty hours field/clinical experiences.

**EMG 491 Mathematics in the Middle Grades.** (3) I, A. Prerequisites: admission to professional education, professional education core, EMG 445, mathematics emphasis. Appropriate materials and methods for teaching mathematics in the middle grades. Twenty hours field/clinical experiences.

**EMG 492 Science in the Middle Grades.** (3) I, A. Prerequisites: admission to professional education, professional education core, EMG 445, science emphasis. Introduces prospective teachers to the modern materials and methods of teaching science in the middle grades. Twenty hours field/clinical experiences.



**ENG 493 Social Studies in the Middle Grades.** (3) I, A. Prerequisites: admission to professional education, professional education core, ENG 445, social studies emphasis. Appropriate materials and methods for teaching social studies in the middle grades. Twenty hours field/clinical experiences.

**ENG 494 English and Communication in the Middle Grades.** (3) I, A. Prerequisites: admission to professional education, professional education core, ENG 445, English emphasis. Study of effective teaching techniques, strategies and materials for middle grade English/communication skills. Twenty hours field/clinical experiences.

**ENG 499 Supervised Student Teaching in the Middle Grades.** (6-12) I, II. Prerequisites: required professional education courses, areas of emphasis. Observation, participation, responsible classroom teaching, and related professional activities including students at two non-consecutive levels in the middle grades.

**ENG 507 Problems in Middle Grade Education.** \_\_\_\_\_. (1-3) A. Prerequisite: advisor approval. Independent work, workshops, special topics, or seminar. May be retaken to a maximum of six hours under different subtitles.

**ENG 567 Curriculum and Instructional Strategies for Home Economics in the Middle Grades.** (3) A. Prerequisite: certification in home economics. Study of curriculum content, instructional materials, and strategies appropriate for home economics instruction in the middle grades.

**ENG 568 Curriculum and Instructional Strategies for Industrial Education in the Middle Grades.** (3) A. Prerequisite: certification in industrial education. Study of curriculum content, instructional materials, and strategies appropriate for industrial arts education instruction in the middle grades.

**EMS—Elementary, Middle Grade, and Secondary Education**

**Dr. Michael A. Martin, Chair**

**EMS 499 Supervised Student Teaching P-12.** (12) I, II. Prerequisites: admission to student teaching, EME and ESE special methods classes. Corequisite: ESE 490. Observation, participation and responsible classroom teaching with related professional activities to be demonstrated in two of the following school levels: elementary, middle and high.

**EMS 575 Methods and Materials for Teaching English as a Second Language.** (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

**ENG—English and Theatre**  
**Dr. Charlie Sweet, Acting Chair**

**ENG 080 Academic Reading and Writing I.** (3) A. This course emphasizes integration of skills and strategies for academic reading and writing, including comprehension, vocabulary, fluency and development, and the conventions of academic texts. Taken by referral only. 3 Lec/2Lab.

**ENG 085 Academic Reading and Writing II.** (3) A. This course emphasizes integration of skills and strategies for academic reading and writing, including reading critically, writing analytically, and reading and writing to learn. Taken by referral only. 3 Lec/2 Lab.

**ENG 090 Basic Writing.** (3) I, II. Focuses on academic writing. Provides strategies for improving content, organization, voice, reading to write, and editing from sentences to essays. Exit exam required. ACT English subscore 14 or lower.

**ENG 095 Developmental Composition.** (3) I, II. Prerequisite: ENG 090 or ACT English subscore of 15-17. Focuses on academic writing. Provides strategies for improving content,

organization, voice, reading to write, and editing in analytical essays and reports. Exit exam required.

**ENG 099 Intensive Writing Review.** (3) A. An intensive review of writing skills with special emphasis on audience analysis, invention of ideas, composing, writing, and editing strategies for the production of a substantial portfolio. Taken only by recommendation of college dean. Institutional credit when exit level attained; cannot be used for graduation.

**ENG 100 English for Non-Native Speakers.** (3) A. Review and practice of English for non-native speakers. Review of English grammar with intensive practice of academic language skills in listening, speaking, reading, and writing. Required of non-native speakers on basis of department placement exam. 2 Lec/2 lab.

**ENG 101 English Composition I.** (3) I, II. A writing course reviewing sentence basics and methods of development; emphasizing style, organization, coherence, and persuasion in written discourse; extensive practice in composition for different purposes and audiences; study and practice to improve reading. Entrance exam required. Gen. Ed. 01.

**ENG 102 English Composition II.** (3) I, II. Prerequisite: ENG 101 (or equivalent). A writing course reviewing components of ENG 101 and refining general composition skills; emphasis on expository and argumentative writing, including researched, documented papers and reports; study of research sources and methods, with emphasis on analytical reading. Gen. Ed. 02.

**ENG 105 First Year Writing Seminar.** (3, 6) I, II. Prerequisite: ACT English subscore of 28 or above. Advanced writing course, reviewing fundamentals and emphasizing practice writing essays and reports, including researched, documented writing; practice to improve reading and speaking. Proficiency exam required. Students graded "A" or "B" will receive six hours credit for ENG 105; students with "C" or "D" will receive three hours credit for ENG 105 and must take ENG 102. Gen. Ed. 01 (02).

**ENG 106 Writing Workshop.** \_\_\_\_\_. (1) I, II. Prerequisite: ENG 101, 105, or departmental approval. A course intended to develop writing abilities through practice in writing processes for varied topics; reading and discussion of rhetoric, grammar, etc. appropriate for the selected topic. Primarily individualized instruction in workshop conditions. May be retaken with different topics to a maximum of three credit hours.

**ENG 200 Topics in English.** \_\_\_\_\_. (1-3) A. Prerequisite: ENG 102 or 105 or HON 102. Introduction to areas of literature, writing, and language use through selected topics. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

**ENG 211 Survey of World Literature I.** (3) I, II. Prerequisite: ENG 102 or 105 or HON 102. Selected readings from masterpieces of world literature from ancient times through the Renaissance. Gen. Ed. 05.

**ENG 212 Survey of World Literature II.** (3) I, II. Prerequisite: ENG 102 or 105 or HON 102. Selected readings from masterpieces of world literature from the 17th century to the present. Gen. Ed. 06.

**ENG 242 Introduction to a Genre.** \_\_\_\_\_. (2) A. Prerequisite: ENG 102 or 105 or HON 102. Readings in either the novel, poetry, or short story; special emphasis on understanding and enjoying the literature. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

**ENG 300 Introduction to Technical and Professional Writing.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Introductory course in principles of effective writing for professions and technical fields. Experience in writing with technology for various purposes and audiences relevant to students' career interests. Special sections arranged in cooperation with professional programs.

**ENG 301 Advanced Composition.** (3) I, II. Prerequisites: ENG 102 or 105 or HON 102.

Refinement of writing skills; application of rhetoric in expository and argumentative writings; planning and writing a research paper.

**ENG 302 Principles of Literary Study.** (3) I, II. Prerequisite: ENG 102 or 105 or HON 102. Introduction to the genres of poetry, short fiction, and drama, as well as to the traditional literary devices, the major critical approaches, and several bibliographical tools.

**ENG 306 Introduction to Creative Writing.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Introduction to fundamentals of short story, poetry, play, or personal essay writing.

**ENG 307 Creative Nonfiction.** (3) A. Prerequisite: ENG 102 or ENG 105 or HON 102. Theory, models, and practice in such forms as autobiographical writing, the book review, the personal essay, and experimental writing.

**ENG 308 Autobiographical Literature.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Discussion of American, British, Continental, and non-Western autobiographies and modern theories of autobiographical writing.

**ENG 334 Modern Poetry.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Survey of representative British and American poets from Hopkins and Dickinson to the present.

**ENG 335 Modern Drama.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Study of representative Continental, British, and American plays from Ibsen to the present.

**ENG 337 Biblical Narrative and Verse.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Study of selected narratives and verse from the Old Testament, Apocrypha, and New Testament from distinctly literary perspectives.

**ENG 340 Mythology.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Study of selected myths through historical, psychological, and literary approaches.

**ENG 342 Major Black Writers.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. Study of written and oral works by major black authors; authors may come from a variety of cultures, such as Africa, the Caribbean, and the United States.

**ENG 343 Science Fiction.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. A survey of science fiction from Mary Shelley to the present.

**ENG 344 Mystery and Detective Fiction.** (3) A. Prerequisite: ENG 102 or 105 or HON 102. History of mystery and detective fiction. Study of the genre's basic characteristics as well as its cultural ramifications.

**ENG 345 Literature and Film.** (3) A. Cross listed as COM 345. Prerequisite: ENG 102 or 105 or HON 102. An examination of the relationship between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for COM 345.

**ENG 347 Special Studies in English.** \_\_\_\_\_. (3) A. Prerequisite: ENG 102 or 105 or HON 102. Specialized study of selected topics not available in more traditional course offerings. Designed primarily for English majors/minors. May be retaken with different topics to a maximum of six hours.

**ENG 349 Applied Learning in English.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**ENG 349 A-H Cooperative Study: English.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.



**ENG 350 American Literature I. (3) I, II.**

Prerequisite: ENG 102 or 105 or HON 102. A study of selected works by representative authors reflecting the chronological development of American literature from its beginnings to 1865.

**ENG 351 American Literature II. (3) I, II.**

Prerequisite: ENG 102 or 105 or HON 102. A study of selected works by representative authors reflecting the chronological development of American literature from 1865 to the present.

**ENG 352 English Literature I. (3) I.**

Prerequisite: ENG 102 or 105 or HON 102. A study of selected works by representative authors reflecting the chronological development of English literature from its beginnings through the eighteenth century.

**ENG 353 English Literature II. (3) II.**

Prerequisite: ENG 102 or 105 or HON 102. A study of selected works by representative authors reflecting the chronological development of English literature from the Romantic period to the present.

**ENG 359 Kentucky Literature. (3) A.**

Prerequisite: ENG 102 or 105 or HON 102. Study of Kentucky's literary tradition from its beginning to the present; emphasis on Elizabeth Madox Roberts, Allen Tate, Harriet Arnow, and Robert Penn Warren.

**ENG 365 Appalachian Literature. (3) I.**

Prerequisite: ENG 102 or 105 or HON 102. Study of selected major Appalachian literature, with emphasis on twentieth-century writers such as Agee, Arnow, Chappell, Dykeman, Miller, Norman, Roberts, Smith, Still, and Wolfe.

**ENG 400 Advanced Technical Writing and Document Production. (3) A.** Prerequisites: ENG 102 or 105 or HON 102; ENG 300. Advanced in technical communication. Emphasis on theories of technical writing and writing with technology, document development using electronic literacies.

**ENG 402 Crit. Theory & Research Methods. (3) A.** Prerequisites: ENG 301, 302. Introduction to literary/critical theory with an historical framework, and to research methods for the academic professional. Particularly recommended for students planning to go on to graduate school.

**ENG 405 Introduction to Composition Studies. (3) A.** Prerequisites: ENG 102 or 105 or HON 102; ENG 301. An introductory course surveying theories of composition and applying these theories to the instruction of composition.

**ENG 406 Topics in Creative Writing: \_\_\_\_\_. (3) A.** Prerequisites: ENG 301, 306. Specialized study of a selected genre (e.g., poetry, short story, screenplay) or approach to creative writing. Theory and practice. May be retaken to a maximum of nine hours provided each topic is different.

**ENG 410 Grammar, Traditional and Modern. (3) A.** Prerequisite: ENG 102 or 105 or HON 102. Grammatical structure of American English and present-day terminology used to describe that structure; analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

**ENG 420 Stylistics, Editing, Publishing. (3) A.** Prerequisite: ENG 301. Development of prose style through analysis, practice, and editing. Fundamentals of online and hard-copy publishing, including surveying the markets, and preparing and submitting manuscripts.

**ENG 430 Dramatic Literature. (3) A.** Cross-listed as THE 430. Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for THE 430.

**ENG 440 Young Adult Literature. (3) A.** Prerequisites: ENG 301, 302; or departmental approval. An introduction to literature for young adults, surveying contemporary and significant early texts. Pedagogical issues, especially reader-centered approaches and multicultural curricula for teaching and learning are highlighted.

**ENG 452 American Romanticism. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. A study of the 19th century Romantic movement, concentrating on selected major authors through Whitman.

**ENG 454 American Realism. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. A study of the American Realistic movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present.

**ENG 455 Twentieth-Century American Fiction. (3) A.** Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Survey of representative American novels and short stories of the 20th century.

**ENG 470 Chaucer and His Age. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. A study of selections from Chaucer, the Pearl poet, Langland, Malory, medieval drama, and lyrics.

**ENG 472 Renaissance Literature. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

**ENG 474 Shakespeare. (3) A.** Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Study of Elizabethan England as a background for Shakespeare's works; extensive reading of several plays; intensive reading of selected drama and poetry.

**ENG 476 Milton and His Age. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. A study of Milton's works, Cavalier and Metaphysical Poetry, the masque, and prose of the period.

**ENG 478 Literature of the Restoration and Eighteenth Century. (3) A.** Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. British poetry, prose, and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

**ENG 480 Romantic Literature. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Survey of British poetry, essays, and fiction of the Romantic period.

**ENG 482 Victorian Literature. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Survey of British poetry, essays, and fiction of the Victorian period.

**ENG 485 Twentieth-Century British Fiction. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Survey of representative British novels and short stories of the 20th century.

**ENG 495 Independent Study. (1-3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302; or departmental approval. Individual study and/or research on a problem pertaining to literature or language. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**ENG 499 Senior Seminar: \_\_\_\_\_. (3) A.**

Prerequisites: senior status, a minimum 3.0 GPA; departmental approval: ENG 102 or 105 or HON 102; ENG 301, 302. An intensive study of an author or authors; a thematic motif; a literary movement; critical, rhetorical, and language theory; or some other sharply focused study of language and/or literature.

**ENG 500 Topics in Professional Writing: \_\_\_\_\_. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302, and one additional ENG course; or departmental approval. Study and practice in selected areas of professional writing. May be retaken with different topics to a maximum of six hours. If subtopic is "Writing for the Popular Media," no credit to students with JOU 480.

**ENG 502 Advanced Creative Writing. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, and departmental approval. Open to students who desire to have their manuscripts criticized;

fiction, drama, poetry, biography, or the informal essay accepted; guest lectures and discussion with writers in residence.

**ENG 503 Creative Writing Workshop. (1)**

**A.** Prerequisites: ENG 101 and 102 (or 105), 301, and departmental approval. One week course of lectures and discussions by faculty and visiting lecturers. Each student must submit a short story, a one-act play, four poems, or equivalent. May be retaken for a maximum of three hours.

**ENG 510 Introduction to Linguistic Theory. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102, and one additional ENG course. An introduction to current linguistic theory and practice.

**ENG 515 English as a Second Language. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102, and one additional ENG course. Study of theories advanced to explain the learning of English as a second language.

**ENG 520 History of the English Language. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102, and one additional ENG course. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

**ENG 530 Topics in a Genre: \_\_\_\_\_. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302, and one additional literature course; or departmental approval. Study of a designated literary genre, such as the novel, epic poetry, classical drama, or a popular literature genre. May be retaken with different topics to a maximum of six hours.

**ENG 535 Women Writers. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102; ENG 301, 302, and one additional literature course. Study of literature by women writers.

**ENG 550 Topics in Literature: \_\_\_\_\_. (3) A.**

Prerequisites: ENG 102 or 105 or HON 102, ENG 301, 302, and one additional literature course. An intensive study of a particular aspect of literature such as a theme, a movement, or contemporary directions/ experiments. May be retaken with a different topic to a maximum of six hours.

## ENR—Learning Skills

### Dr. Charlie Sweet, Acting Chair

**ENR 090 Developmental Reading I. (3) I, II.**

Focuses on improving reading skills by developing vocabulary and active reading strategies such as previewing, organizing information, and identifying main ideas and supporting details. ACT reading subscore 14 or lower.

**ENR 095 Developmental Reading II. (3) I.**

**II.** Prerequisite: ENR 090 or ACT reading subscore 15-17. Focuses on developing comprehension skills. Systematic methods for learning college-level vocabulary, analyzing structure and ideas of written materials, and developing critical reading skills.

**ENR 112 College Reading/Study Skills. (3)**

**I, II.** Prerequisite: ENR 095; passing the reading screening examination or ACT composite of 18+; 59 hours or fewer. Emphasizes development of higher-level reading skills and study strategies. Instruction and practice in textbook reading, summary writing, listening, notetaking, vocabulary, test-taking, and learning techniques. Only two credits will be awarded to students with credit for ENR 115. Gen. Ed. 03.

**ENR 115 Learning Dynamics. (1) I, II.**

Five-week course concentrates on learning techniques for efficient and effective study of college reading materials. Emphasis on learning, storing, and retrieving information. Credit not available for students with credit for ENR 112. Gen. Ed. 03.

**ENR 116 Efficient Reading. (1) I, II.**

Five-week course concentrates on increasing reading efficiency by improving rate and comprehension. Emphasis on acquisition of skills and application of techniques. Gen. Ed. 03.

**ENR 201 Vocabulary Development.** (2) I, II. Mastery of widerange college-level vocabulary for reading, writing, speaking, and listening. Instructions in using context and Greek and Latin elements to unlock meaning. Includes practice in solving verbal analogies. Gen. Ed. 03.

**ENR 205 Topics in Reading:** \_\_\_\_\_. (1-3) A. Instruction focused on specific areas of reading and studying through selected topics. Gen. Ed. 03.

**ESE—Secondary Education**  
Dr. Michael A. Martin, Chair

**ESE 307 Clinical Experiences for Teachers.** (1-3) A. Prerequisite: departmental approval. Provides clinical experiences such as observations, participation, and tutoring for prospective teachers in locations such as the learning lab. May be retaken to a maximum of six hours.

**ESE 378 Teaching Music in Grades P-8.** (3) I. Prerequisites: admission to professional education, major in music. Developmentally appropriate materials and methods for teaching P-8 music. Minimum of 20 field/clinical hours.

**ESE 490 Secondary Curriculum, Classroom Organization, and Management.** (3) II. Prerequisites: education core, special methods course, admission to student teaching. Emphasis on questions and problems encountered in secondary teaching including classroom management, state and national curriculum trends, and legal issues. Minimum 10 field/clinical hours.

**ESE 499 Supervised Student Teaching in the Secondary School.** (12) I, II. Prerequisites: education core, appropriate special methods course, admission to student teaching. Corequisite: ESE 490. Observation, participation, responsible classroom teaching including related professional activities.

**ESE 507 Problems in Secondary Education.** (1-3) A. Prerequisite: advisor/departamental approval. Independent work, special workshops, special topics, or seminars.

**ESE 540 Teaching Art in the Secondary P-12 Schools.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching art in the secondary schools grades P-12. Minimum of 40 field/clinical hours.

**ESE 541 Teaching of Biology in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching biology in secondary schools. Minimum of 40 field/clinical hours.

**ESE 543 Teaching of Language Arts in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching language arts in secondary schools. Minimum of 40 field/clinical hours.

**ESE 549 Teaching Social Studies in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching social sciences in the secondary school. Minimum of 40 field/clinical hours.

**ESE 550 Teaching Mathematics in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Minimum of 40 field/clinical hours.

**ESE 551 Teaching of Physical Science in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching

physical science in secondary schools. Minimum of 40 field/clinical hours.

**ESE 552 Teaching of Career and Technical Education in Middle and Secondary Schools.** (3) I. Prerequisites: EDF 103, 203, or TTE 261, EDF 319, admission to professional education. Pre/Corequisites: CTE 363, EDF 413, SED 401. Developmentally appropriate materials and methods for teaching technology and career and technical education in the middle and secondary schools. Minimum of 40 field/clinical hours.

**ESE 553 Family and Consumer Sciences Education Curriculum.** (4) I. Prerequisites: admission to professional education, education core, family and consumer sciences education major. Current curricular trends and methodology for teaching FCS in middle/secondary grades. Program philosophy, legislation, curriculum and assessment. Minimum of 40 field/clinical hours.

**ESE 566 Teaching of Physical Education in the Secondary School.** (3) I, II. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching physical education in secondary schools. Minimum of 40 field/clinical hours.

**ESE 573 Teaching Business in Middle and Secondary Schools.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching business education. Minimum of 40 field/clinical hours.

**ESE 574 Teaching Reading in the Secondary School.** (3) A. Prerequisites: education core and admission to professional education. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, assessment, and organization of secondary reading programs.

**ESE 579 Music Education: Principles and Practices.** (3) II. Prerequisite: EDF 378. Acquaints students with a balanced vocal and instrumental music education curriculum in the secondary school. Emphasis on understanding and planning a developmental sequence to assure the musical growth of students 8-12. Minimum of 20 field/clinical hours.

**ESE 587 Teaching of Health Education in the Secondary School.** (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Developmentally appropriate materials and methods for teaching health education in secondary schools. Minimum of 40 field/clinical hours.

**FCC—Foreign Culture and Civilization**  
Dr. Jose L. Varela, Chair

**FCC 210 Topics in Culture:** \_\_\_\_\_. (3) A. May be retaken to a maximum of 6 hours if topic is different. Introduction to the unique values and traditions of a major African, Asian, Hispanic, or European culture as reflected in its aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

**FCC 220 French Culture and Civilization.** (3) A. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

**FCC 222 German Culture and Civilization.** (3) A. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

**FCC 226 Hispanic Culture and Civilization** (3) A. Introduction to the unique values and traditions of the Hispanic nations as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

**FCC 227 Japanese Culture and Civilization.** (3) A. Introduction to the unique values and traditions of the Japanese as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

**FCS—Family and Consumer Sciences**  
Dr. Diane Leggett, Chair

**FCS 303 Dissemination of Family and Consumer Sciences Information.** (3) A. Dissemination of information for clientele in the field of family and consumer sciences. Selection and utilization of resource materials including electronic information technology.

**FCS 320 Family Housing and Design.** (3) I. Prerequisite: DES 121 or departmental approval. Introduction to housing and its relationship to human needs. Historical, governmental and current issues influencing housing consumption of individuals and families. Design considerations emphasized include principles and elements, architecture, furniture, and space planning.

**FCS 330 Field Experience.** (1-8) A. Prerequisites: department approval and 2.0 cumulative GPA. Supervised work experience in department approved organization. A minimum of 80 hours work required for each academic credit. Options may be taken to a maximum of 8 hours.

330A Field Experience in ADM

330B Field Experience in CDF

330C Field Experience in FCS

330D Field Experience in NFA

**FCS 349 Applied Learning in Family and Consumer Sciences.** (1-8) A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours, eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**FCS 349 A-II Cooperative Study: Family and Consumer Sciences** (1-8). A. Prerequisite: department approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours, eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**FCS 400 Ethics and Advocacy in Family and Consumer Sciences.** (3) I, II. Prerequisites: CDF 132 and 12 additional hours in the department. History and principles of the profession of Family and Consumer Sciences. Course emphasizes the interdisciplinary nature of the field and its commitment to public policy activism to benefit individuals and families.

**FCS 550 Family and Consumer Sciences Topics.** (1-3) A. Selected topics in Family and Consumer Sciences. May be retaken to a maximum of six hours provided topics vary.

**FIN—Finance**  
Dr. Jessica Johnson Frazier, Chair

**FIN 201 Personal Money Management.** (3) I, II. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning. Does not count toward the major in finance or general business. Credit will not be awarded to students who have credit for FRM 352.

**FIN 300 Business Finance I.** (3) I, II. Prerequisites: ACC 201, 202, ECO 230, QMB 200, 240 (or MAT 211) with a grade of "C-" or better in each course; junior standing (a minimum of 60 hours) and an overall minimum 2.0 GPA. Financial principles with applications to business organizations. Includes firm financial motives, time value of money, risk analysis, elementary capital budgeting, residual dividend policy, elementary capital structure decisions, analysis of financial statements, and international financial considerations.



**FIN 301 Business Finance II. (3) I.**

Prerequisite: FIN 300 with a "C-" or better. An in-depth exploration of dividend policy, capital structure decisions, cash and liquidity management, financial forecasting and planning, management of current assets and liabilities, and institutional arrangements for finance.

**FIN 302 Small Business Finance. (3) A.**

Prerequisite or Corequisite: FIN 301. Equity, debt and venture capital markets for small businesses are examined. Also systems for financial statement generation and internal controls, sources and uses of funds forecasting, short-term asset and liability management, and capital structure decisions are explored. A small firm valuation project will be completed.

**FIN 304 Financial Institutions. (3) I, II.**

Prerequisite: FIN 300. A survey of the evolution of financial institutions, including the impact of regulation and deregulation.

**FIN 324 Investments. (3) I, II.**

Prerequisite: FIN 300 with a "C-" or better. Analysis of the characteristics, valuation, and tax implications of various investments such as common and preferred stock, corporate, federal and municipal debt; mutual funds; money market accounts; options and futures. Explores methods of trading securities.

**FIN 330 International Finance. (3) A.**

Prerequisite: FIN 300 with a "C-" or better. Financial decision-making processes of multinational corporations; flow of funds; exchange rate determination and forecasting; currency futures and options; international arbitrage; measurement and management of exchange rate exposure; multinational capital budgeting; analysis of country risk.

**FIN 349 Applied Learning in Finance.**

(1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**FIN 349 A-H Cooperative Study: Finance.**

(1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**FIN 350 Intermediate Finance. (3) I, II.**

Prerequisite or Corequisite: FIN 301, QMB 300. The agency problem associated with the separation between owners and managers and its implication for security markets and firm valuation are explored. Also risk analysis and the valuation of derivative securities and financial market efficiency is explored in depth.

**FIN 401 Advanced Managerial Finance. (3)**

A. Prerequisite or Corequisite: FIN 350 and QMB 300. Working capital management, capital budgeting, expansion, distress, and reorganization are explored in the context of equity value maximization.

**FIN 405 Advanced Financial Institutions.**

(3) A. Prerequisite or Corequisite: FIN 350 and QMB 300. A case oriented course focusing in detail on the management of financial institutions, money and capital markets, interest rate theory, financial derivatives and international topics related to financial markets and institutions.

**FIN 420 Investment and Portfolio Theory.**

(3) I. Prerequisites: FIN 350, 324 and QMB 300. Investment analysis including efficient market theory and empirical investigations, security valuation, riskfree borrowing and lending; portfolio selection and performance evaluation are examined. Also included are derivatives' valuation and their role in a diversified portfolio.

**FIN 450 Seminar in Finance. (1-3) A.**

Prerequisite: instructor approval. Selected topics of special contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

**FIN 455 Global Financial Management.**

(3) A. Prerequisites: FIN 350 and QMB 300. Advanced global dimensions of corporate finance including working capital, capital budgeting, and international borrowing for multinational companies. Case studies of international capital markets, international financial institutions, foreign exchange risks, and international portfolio diversification.

**FIN 490 Special Problems in Finance. (1-4)**

A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**FLS—Foreign Language Studies**

Dr. Jose L. Varela, Chair

**FLS 100 Adventures in Language: \_\_\_\_.**

(1-3) A. This course introduces students to a language and culture through a variety of possible topics such as French cinema, German folklore, or Spanish dance. May be retaken to a maximum of six hours if topic is different.

**FLS 101 Language Topics: \_\_\_\_.**

(3) A. Entry level study of a less frequently taught language such as Arabic, Chinese, Greek, Swahili, or other. May be retaken to a maximum of six hours if topic is different. Gen. Ed. 03 or 04

**FLS 102 Language Topics: \_\_\_\_.**

(3) A. Continuing study of a less frequently taught language such as Arabic, Chinese, Greek, Swahili, or other. May be retaken to a maximum of six hours if topic is different. Gen. Ed. 03 or 04.

**FLS 295 Independent Work in Language.**

(1-3) A. For students with previous language study. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours if topic is different.

**FLS 300 Elements of Foreign Language: \_\_\_\_.**

(3) A. Prerequisites: departmental approval and the student's major departmental approval. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences. Gen. Ed. 03 or 04.

**FLS 310 Topics in Foreign**

Languages: \_\_\_\_\_. (1-3) A. May be retaken to a maximum of 6 hours if topic is different. Examination of problems and issues in foreign languages, literatures, or cultures.

**FLS 349 Applied Learning: \_\_\_\_.**

(1-8) A. Prerequisite: departmental approval. Work in placements related to foreign language study. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

**FLS 349 A-H Cooperative Study: \_\_\_\_.**

(1-8) A. Prerequisite: departmental approval. Work in placements related to foreign language study. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

**FOR—Forensic Science**

Dr. Alan Schick, Acting Chair

Dr. Diane Vance, Director

**FOR 301 Introduction to Forensic Science.**

(3) A. Introduction to the application of scientific methods for the examination of physical evidence in the criminal justice system; an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, arson debris, etc.

**FOR 411 Analytical Methods in Forensic**

Science I. (4) A. Prerequisites: CHE 362, CHE 367, PHY 131, 132, MAT 124 (or 261), BIO 121 with at least a "C" (2.0) or better in each course. Prerequisite or Corequisite: CHE 325. Application of instrumental

methods of analysis to the classification of physical evidence. Principles and application of ultra-violet, visible, infrared, and fluorescence spectrophotometry; chromatography; and electrophoresis. 3 Lec/3 Lab.

**FOR 412 Analytical Methods in Forensic**

Science II. (4) A. Prerequisite: FOR 411 with a grade of "C" or better. Continuation of FOR 411.

Application of chemical instrumentation to the separation, identification, and comparison of drugs, paint, glass, fibers, arson evidence, and other materials commonly encountered in the crime laboratory. 2 Lec/6 Lab.

**FOR 430 Analytical Toxicology. (3) A.**

Prerequisites: FOR 411 and 412; or instructor approval. Study of the biochemical activity of poisons and drugs; isolation and identification of barbiturates, amphetamines, tranquilizers, and other drugs of forensic interest. 2 Lec/3 Lab.

**FOR 451 Forensic Microscopic Analysis.**

(3) A. Prerequisites: CHE 367, PHY 131 (or 201), 132 (or 202), MAT 124 (or 261), BIO 121 with at least a "C" or better in each course. Prerequisite or Corequisite: CHE 325. Introduction to microscopic analysis; identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 Lec/3 Lab.

**FOR 460 Selected Topics in Forensic**

Science. (1-3) A. Prerequisite: instructor approval. Topics will be chosen from areas of current interest and may be retaken for credit when new topics are offered. Topics and credit will be announced prior to each offering.

**FOR 465 Expert Witness Testimony. (2) A.**

Prerequisite: FOR 411 with a "C" or better or departmental approval. Topics include ethical issues relating to expert witness; qualifications of scientific experts; elements of courtroom testimony relating to expert witness. Videotaping of testifying in mock courtroom situations also included.

**FOR 475 Mass Spectrometry. (3) A.**

Prerequisite: CHE 362. Topics include types of mass spectrometers, qualitative and quantitative mass spectrometry, different ionization processes, sample inlet systems, gas chromatography/mass spectrometry and interpretation of mass spectral data.

**FOR 490 Introduction to Research. (1-3) A.**

Prerequisite: FOR 411 or departmental approval. Instruction to laboratory research in one of the areas of forensic science. May be retaken to a maximum of six hours, but only three hours may be counted toward the major requirements. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**FOR 495 Internship. (3,6,9,12) A.**

Prerequisites: FOR 411 and 465 with a "C" (2.0) or better and departmental approval. Final year. Independent laboratory work and study at an affiliated crime laboratory. May be retaken to a maximum of 12 hours, but only six hours may be counted toward the major requirements. Four to 16 weeks.

**FRE—French**

Dr. Jose L. Varela, Chair

**FRE 101 Conversational French I. (3) I, II.**

Prerequisite: all required developmental reading and writing courses. Beginning French conversation, grammar, and language skills. Emphasis on speaking and listening comprehension, with introduction to basic written forms. Taught in context of French and francophone cultures. Laboratory work required. Gen. Ed. 03 or 04.

**FRE 102 Conversational French II. (3) I, II.**

Recommended: FRE 101 or equivalent proficiency. (Students entering FRE 102 by referral or placement, with two years high school French or equivalent, receive three hours credit for FRE 101 if they make an "A" in 102.) Continuing work on communicative skills and correct usage, with introduction to reading short passages on relevant French and francophone cultural topics. Laboratory work required. Gen. Ed. 03 or 04.



**FRE 201 Intermediate Conversational French I. (3) I, II.** Recommended: FRE 102 or equivalent proficiency (e.g. with two or three years of successful high school French.) French conversation, grammar, and communicative language skills, with increased emphasis on developing basic writing and reading skills. Taught in a context of French and francophone cultures. Laboratory work required. Students entering FRE 201 by referral or placement receive six hours credit for FRE 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

**FRE 202 Intermediate Conversational French II. (3) I, II.** Recommended: FRE 201 or equivalent proficiency (e.g. with three or four years of successful high school French.) French conversation, grammar, and communicative language skills, with continuing emphasis on writing skills and on reading authentic texts. Taught in context of French and francophone cultures. Laboratory work required. Students entering FRE 202 by referral or placement receive nine hours credit for FRE 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed. 03, 04, 07, or 08.

**FRE 204 Review of French Grammar. (3) A.** Recommended: FRE 202 or equivalent proficiency. Integrative approach to French grammatical forms and usage in communicative context, with emphasis on spoken and written expression, within the framework of French and francophone cultures. Gen. Ed. 03, 04, 07, or 08.

**FRE 210 Reading and Conversation. (3) I, II.** Recommended: FRE 204 or equivalent proficiency. Reading of basic literary texts with interactive discussion and writing practice. Emphasis is on building skills necessary for literature courses.

**FRE 295 Independent Work in French. (1-3) A.** Prerequisite: FRE 204 or FRE 210. May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair.

**FRE 300 French for Reading Knowledge. (3) A.** Accelerated study of reading skills for those students needing a reading knowledge of French. Cannot be used for major, minor, or general education credit.

**FRE 303 Survey of French Literature. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Selected readings from masterpieces of French literature with an introduction to the techniques of French literary analysis. Taught in French.

**FRE 310 Topics in French: \_\_\_\_\_. (1-3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. May be retaken to a maximum of 9 hours if topic is different. Selected topics in French language, literature, or culture.

**FRE 313 French Narrative Fiction. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. A selection of the best French prose from various periods of French literature. Taught in French.

**FRE 314 Masterpieces of French Theater. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Selected works from the masterpieces of French theater. Taught in French.

**FRE 315 French Lyric Poetry. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Survey of French lyric poetry, with emphasis on the 16th and 19th centuries. Taught in French.

**FRE 316 Contemporary French Literature. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Representative works of the major French writers of the 20th century. Taught in French.

**FRE 320 Introduction to Business French. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair

approval. Develops oral and written skills with emphasis on language of business, industry, and the professions.

**FRE 340 French Phonetics. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Intensive practice in the spoken language with emphasis on improving pronunciation and aural comprehension. The sound system of French is taught through phonetic exercises. Gen. Ed. 03 or 04.

**FRE 350 French Conversation. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. Intensive practice in conversation with emphasis on vocabulary building and improving fluency in the language.

**FRE 360 French Grammar in Context. (3) A.** Prerequisite: FRE 204 or FRE 210 or equivalent proficiency with department chair approval. A communicative approach to French grammar in meaningful context, using authentic spoken and written language, within the framework of French and francophone cultures. Gen. Ed. 03, 04, 07, or 08.

**FRE 400 French Literary Studies: \_\_\_\_\_. (3) A.** Prerequisite: FRE 303, 313, 314, 315, or 316. A selected topic from the major French authors and literary movements. Taught in French. May be retaken to a maximum of six hours, if content is different.

**FRE 401 French Language Studies: \_\_\_\_\_. (3) A.** Prerequisite: FRE 340 or FRE 360 or equivalent proficiency with department chair approval. A selected topic such as stylistics, linguistics, history of the language, advanced grammar, or composition. May be retaken to a maximum of nine hours if content is different.

**FRE 495 Independent Work in French. (1-3) A.** Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

#### **FRM—Family Resource Management Dr. Diane Leggett, Chair**

**FRM 352 The Family as Consumers. (3) I, II.** Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers. Credit will not be awarded to students who have credit for FIN 201.

**FRM 453 Balancing Work and Family Resources. (3) A.** Prerequisites: NFA 321 and FRM 352. Concentration on value identification/clarification, the decision making process, family resource management and the management process by individuals and families. Group projects and supervised field experiences with community programs.

**FRM 456 Special Problems in Family Economics and Management. (1-3) A.** Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics vary.

#### **FSE—Fire and Safety Engineering Technology Dr. Tom Schneid, Coordinator**

**FSE 100 Introduction to Fire and Safety Engineering Technology. (1) A.** Historical and philosophical discussion with review of the life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary, and future problems, career opportunities, and public fire safety education programs.

**FSE 101 Introduction to Codes and Standards. (3) A.** The code and standard promulgation process. An introduction to fire and safety related

codes; surveying and mapping procedures; mechanical systems; and engineering solutions for hazards.

**FSE 120 Chemistry and Dynamics of Fire. (3) A.** Introduction to the chemistry and dynamics of fire as it relates to properties of hazardous materials and the development of fire in a structure. An introduction to computer fire analysis.

**FSE 200 Applied Fire and Safety Analysis. (3) A.** Analytical and statistical concepts and procedures for the treatment of fire and safety related data. Includes quantitative and qualitative techniques, descriptive and inferential statistics.

**FSE 201 Designing Building Fire Safety. (3) A.** Prerequisite: FSE 101. A systems approach to designing building fire safety; the role of design in providing fire safety. The Life Safety Code; the function of and testing of rated building components, evaluating plans for code compliance.

**FSE 221 Fire Detection and Suppression Systems. (3) A.** Prerequisites: FSE 101, FSE 120. An introduction to fire detection and suppression systems and their relationship to fire control and extinguishment.

**FSE 223 Fire and Emergency Scene Operations. (3) A.** Prerequisites: FSE 101, 120. Principles of Incident Management including emergency scene decisions, strategies, and tactics. Utilizing emergency control resources such as personnel, apparatus, and equipment.

**FSE 225 Legal Aspects of Fire Protection and Safety. (3) A.** A study of legislative and legal decisions relating to personnel practices, employee safety, and public protection. Emphasizes the legal responsibilities, liabilities, and authority of the fire service practitioner.

**FSE 250 Introduction to Fire Arson and Explosion Investigations. (3) A.** An introduction to fire, arson, and explosion investigation. Topics include a historical overview of arson and terrorism statutes, sources of information, the federal role in fire and explosion investigation, explosives and improvised explosive devices.

**FSE 301 Emergency Medical Treatment I. (6) A.** Effective emergency medical care in a variety of traumatic and medical emergencies. Content developed by the Committee on Injuries of the American Medical Association. Credit will not be awarded to students who have credit for EMC 110.

**FSE 305 Hazardous Materials. (3) A.** Prerequisites: FSE 120 and FSE 200. Study of hazardous materials in transportation, storage, and usage. Chemical properties of hazardous materials relating to specific reaction, engineering controls, pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident.

**FSE 320 Principles of Fire and Safety Supervision. (3) A.** Prerequisite: FSE 200 or instructor approval. An overview of organizational and management practices in the fire and safety fields. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

**FSE 322 Fire Protection System Analysis and Design. (3) A.** Prerequisite: FSE 221. Analysis and evaluation of specific code requirements related to the design, inspection, testing and maintenance of fire protection systems. Design project(s) will be included.

**FSE 349 Applied Learning in Fire and Safety Engineering. (1-8) A.** Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**FSE 349 A-II Cooperative Study: Fire and Safety Engineering. (1-8) A.** Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**FSE 350 Fire Arson and Explosion Investigation I.** (4) A. Prerequisite: FSE 120. An in-depth study in the analysis of fire, arson, and explosion scenes. Emphasis will be placed on the principles and techniques of scene preservation and analysis, management of investigative functions, documentation of the scene, and determination of the cause and origin of fire.

**FSE 360 Fire Protection Hydraulics and Water Supply** (3) A. Prerequisites: FSE 120, a college algebra course. Water at rest and in motion. Bernoulli's and Pascal's theory; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection. Theory followed by practical application.

**FSE 361 Principles of Occupational Safety and Health** (3) A. History of the development of occupational safety and health. Methods of accident prevention and hazard control. Introduction to safety programs, workers' compensation, emergency preparedness and accident investigation.

**FSE 362 Principles of Occupational Safety and Health Legislation** (3) A. Corequisite: FSE 361. Review of OSHA standards with emphasis on compliance and liability reduction. Discussion of OSHA regulations including citations, penalties, inspections, and record keeping.

**FSE 366 Hazard Identification and Control** (3) A. Prerequisite: FSE 361, FSE 200 or departmental approval. Hands-on approach toward identification and control. Areas of study include noise levels, chemical and electrical hazards, air contaminants, and heat/cold stress. Control measures include administrative, engineering, and safeguarding methods.

**FSE 367 Human Factors in Occupational Safety.** (3) A. Focuses on ergonomics, man/machine interface and human efficiency. Study of work-related stress, psychological factors, and Cumulative Trauma Disorders. Solutions are reviewed for common problems found in labor-intensive operations.

**FSE 400 Fire Protection Administration.** (3) A. Prerequisites: FSE 200 or departmental approval. Corequisite: FSE 320. A study of management principles with emphasis on planning, organizing staffing, and evaluating fire and emergency services. Techniques for measuring public fire protection effectiveness and its impact on the community and the environment.

**FSE 410 System Safety Analysis.** (3) A. Prerequisites: FSE 200 or departmental approval. Corequisite: FSE 366. Evaluation of the probabilities and consequence of various risks. Study includes system safety analysis, job safety analysis, hazard analysis, and faulty tree analysis. Safety audit methods are reviewed.

**FSE 412 Safety and Health Program Management.** (3) A. Prerequisites: FSE 362, FSE 366, and FSE 200 or departmental approval. Emphasis on personnel aspects, communication, and motivation in managing safety and health programs. Practice in writing safety programs and implementing safety training. Evaluation of the effectiveness of various methods and programs.

**FSE 420 Environmental Law and Management.** (3) I, II. Prerequisite: FSE 225. Review/analysis of laws affecting workplaces, including the Clean Water Act, Clean Air Act, RCRA and CERCLA. Additionally, study of these laws and related policies/practices will be covered as related to safety. Credit will not be awarded to students who have credit for EHS 425.

**FSE 430 Personnel & Industrial Relations Law.** (3) I, II. Prerequisite: FSE 225. Review/analysis of laws affecting the workplace, including the ADA, FMLA, NLRA, WARN Act, and Title VII. Additionally, a study of personnel policies/practices will be covered as it relates to the field of safety.

**FSE 450 Fire Arson and Explosion Investigation II.** (4) A. Prerequisite: FSE 350. A continuation of Fire and Explosion Investigation I, with emphasis on the analysis of explosion scenes,

scene processing, evidence collection, operation of homemade devices, condensed and diffuse phase fuel explosions, and scene reconstruction.

**FSE 489 Topical Seminar:** \_\_\_\_\_. (1-3) A. Prerequisite: FSE 200 or departmental approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be retaken under different topics to a maximum of 12 hours.

**FSE 490 Fire and Safety Research and Evaluation** (3) A. Prerequisites: FSE 200, senior status. Development of competency relating to concepts of fire and safety research analysis. Each student develops a research design and carries out a study project. Individual studies are culminated with project paper and presentation.

**FSE 495 Fire Arson and Explosion Case Preparation.** (3) A. Prerequisites: FSE 350 and FSE 450. Preparation of the fire, arson, and explosion case for trial, including preparation of demonstrative evidence, scene documentation for presentation, rules of evidence, case review and analysis, and testimony.

**FSE 499 Practicum.** (1-12) A. Prerequisite: FSE 200 or departmental approval. Supervised field observation, research, and/or experience.

#### GCM-Graphic Communications Management Dr. William E. Davis, Chair

**GCM 211 Graphic Communications.** (2) I, II. Formerly PMT 211. Corequisite: GCM 212. An overview of the market segments using the technologies of printing, publishing, packaging, electronic imaging, and their allied industries.

**GCM 212 Graphic Communications Laboratory.** (1) I, II. A. Formerly PMT 212. Corequisite: GCM 211. Laboratory activities which support the course content of GCM 211, Graphic Communications. 2 Lab.

**GCM 217 Electronic Publishing.** (3) A. Formerly PMT 217. Desktop publishing and additional computerized tools for composing type, line and continuous tone images into appropriately designed layouts for the graphic arts. 2 Lec/2 Lab.

**GCM 316 Graphic Communications II.** (3) I. Formerly PMT 316. Prerequisites: GCM 211 and 212. Advanced study of the imaging processes with particular attention given to prepress, press and post press operations related to offset presswork. 2 Lec/2 Lab.

**GCM 317 Electronic Publishing II.** (3) II. Formerly PMT 317. Prerequisite: GCM 217. Advanced desktop publishing course in the design, creation, and assembling of text and graphical images. In depth of study of color theory, color management and color separation. 2 Lec/2 Lab.

**GCM 319 Printing Processes.** (3) II. Formerly PMT 319. Prerequisite: GCM 316. An overview of imaging including relief, offset, screen, gravure, flexographic and digital printing processes. Emphasis will be given to the printed product, image carrier preparation, press systems and mechanics, inks and substrates. 2 Lec/2 Lab.

**GCM 410 Finishing and Packaging.** (3) A. Formerly PMT 410. Prerequisite: GCM 319. A study of post-press finishing and binding operations in the printing and publishing industries. Packaging operations will also be studied, including design, layout, printing and assembly.

**GCM 412 Color Process Printing.** (3) A. Formerly PMT 412. Prerequisites: GCM 318 and 319. The advanced study and practical application of reproducing process color images by offset lithography. 2 Lec/2 Lab.

**GCM 414 Printing Estimating and Costs.** (3) II. Formerly PMT 414. Prerequisite: GCM 319. Methods and procedures of predetermining costs of printed products. The determination of equipment hourly rates and depreciation, cost centers, and equipment purchase decisions will be discussed with emphasis on computer related operations.

#### GBU—General Business Dr. Norb Elbert, Chair

**GBU 201 International Business.** (3) I. An overview of international business, including international business law, international business customs, and international business functional operations, examining the effectiveness of U.S. business ventures abroad and in competition with international companies at home.

**GBU 204 Legal and Ethical Environments of Business.** (3) I, II. Prerequisite: minimum 45 hours. Law and the legal system. Topics include discussion on ethical and socially responsible business decision; business forms, contracts and torts; governmental regulations and regulatory agencies that impact businesses.

**GBU 301 e-Commerce Fundamentals.** (3) A. Prerequisite: minimum 45 hours completed. Survey, analysis, evaluation of current issues and trends in e-commerce; examination of how e-commerce and electronic mediated environments are changing business and society.

**GBU 310 Law of Contracts, Property, and Business Organizations.** (3) I. Principles of the law of contracts, property and the formation, relationship and implications of partnership, corporations and agencies.

**GBU 311 Law of Commercial Transactions.** (3) II. Principles for law of personal property transfers, negotiable instruments, secured transactions, the application of the Uniform Commercial Code and business transactions, bankruptcy, and governmental regulation.

**GBU 349 Applied Learning in General Business.** (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**GBU 349 A-H Cooperative Study: General Business.** (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**GBU 350 Seminar in Business.** (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a cumulative maximum of nine hours.

**GBU 480 Business Strategy.** (3) I, II. Prerequisites: ACS 300, CIS 300, FIN 300, MGT 300, 370, and MKT 300; senior standing (A minimum of 90 hours) with an overall minimum 2.0 GPA. A capstone study of administrative processes under conditions of uncertainty including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels. Students must complete all business core courses prior to taking GBU 480.

#### GCS—Interpersonal Skills and Career Counseling Dr. Aaron Thompson, Associate Vice President

**GCS 198 Interpersonal Effectiveness Seminar.** (1) I, II. The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

**GCS 199 Career Counseling Seminar.** (1) I, II. The eight-week course helps students make effective career decisions. Self-awareness, values clarification, an awareness of career alternatives, and decision-making skills are promoted in the course. Pertinent career facts are learned: i.e. salary, training, outlook, and working conditions.



## GEO—Geography

Dr. Bruce Davis, Chair

**GEO 101 Introduction to Geography.** (3) A. Study of the principles of geography stressing cultural change as it pertains to human and physical environment distributions, relationships, and interactions over the earth. Gen. Ed. 09.

**GEO 170 Map Topics:** \_\_\_\_\_. (1-3) A. Content will be: mapmaking and map reading; topographic mapping and orienteering; global positioning systems (GPS); or maps in the contemporary classroom. May be taken to a maximum of four hours provided study areas differ each time.

**GEO 200 Regions and Nations of the World.** (3) A. Survey of the physical, cultural, and economic geography of the world's major regions, with an emphasis on regions undergoing change and currently of international concern. Gen. Ed. 12.

**GEO 201 Historical Geography I: Pre-industrial Era.** (3) A. The study, from a geographic perspective, of the earth's early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution. Gen. Ed. 10.

**GEO 202 Historical Geography II: Modern World.** (3) A. Study of the elements of cultural convergence in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy. Gen. Ed. 11.

**GEO 205 World Travel.** (3) A. Examines the development of travel and tourism through the history of global exploration, the formation of popular tourism destinations around the world, and the emerging structure of the international tourism industry.

**GEO 210 Introduction to Physical Geography.** (3) A. Study of natural processes operating at the earth's surface with special emphasis on weather and climate and landforms as explanations for how and why physical and human phenomena vary from place to place. 2 Lec/2 Lab. Gen. Ed. 14.

**GEO 215 Introduction to Meteorology.** (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people. Gen. Ed. 15 or 16.

**GEO 220 Human Geography.** (3) A. Introduction to geographic study of human occupancy of the earth, including patterns and processes of human activity and human/land interaction.

**GEO 225 Planning for Livable Places.** (3) A. Introduction to the history and practice of community and regional planning in the U.S. Topics include transportation, economic development, environmental and social issues, urban and landscape design, and citizen participation in local and regional decision-making.

**GEO 300 Geography:** \_\_\_\_\_. (3) A. Designed for study of special topics. The specific orientation (cultural, physical, field studies, etc.) will follow course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

**GEO 302 Global Environmental Problems.** (3) A. Examination of environmental problems and conservation strategies in the context of global change, with case studies from exemplary world regions, including rainforest, mountain, desert, and island biomes. Gen. Ed. 12.

**GEO 304 Travel and Tourism Industry.** (3) A. Prerequisite: GEO 205 or departmental approval. Examination of the industry as a system: the suppliers, the intermediaries, and the market. Theoretical underpinnings of the tourism system are included along with principal publications and practices.

**GEO 305 Tourism Development.** (3) A. An in-depth study of the planning process, the determination of marketing strategies, and the economic impact of tourism development.

**GEO 321 Urban Geography.** (3) A. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal. Gen. Ed. 12.

**GEO 322 World Geopolitics.** (3) A. Study of world political structures and events organized by territorial and regional frameworks. Specific attention to forces of global political change, including globalization processes, conflict and peace, ethnic separatism, and international mediation. Gen. Ed. 12.

**GEO 325 Environmental Land Use Planning.** (3) A. Examines how principles of landscape ecology, resource conservation, and environmental impact analysis are incorporated into land use decisions and public policy. Emphasizes practical application at the site and regional scales.

**GEO 330 Economic Geography.** (3) A. Geographic patterns and processes of production, trade, finance, and other services at local, regional, and global scales.

**GEO 341 Geography of Europe.** (3) A. Geographic study of the states and regions of Europe to include physical and cultural differences, international influences and their effect on cultures of other world regions. Includes in-depth analysis of selected states.

**GEO 342 Geography of Latin America.** (3) A. Geographic exploration of the physical and cultural characteristics of the Caribbean, Middle and South America, with an emphasis on environmental, population, urban, and economic development issues.

**GEO 343 Geography of Kentucky.** (3) A. Topical-regional approach to the physical characteristics, cultural complexity, and economic aspects of Kentucky with an emphasis on understanding the state's historical development and current environmental, political, and economic issues from a geographic perspective.

**GEO 344 Geography of Asia.** (3) A. Systematic study of the physical and human geography of Asia, emphasizing the diversity of the region's cultures and landscapes and offering an in-depth understanding of Asian places within the context of change and development.

**GEO 347 Regional Geography:** \_\_\_\_\_. (3) A. Physical, cultural, and economic geography of a selected region (e.g., Africa, North America, Oceania) with emphasis on the region's current problems. May be retaken to a maximum of 12 hours provided subject matter differs each time.

**GEO 349 Applied Learning in Geography.** (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

**GEO 349 A-II Cooperative Study: Geography.** (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

**GEO 351 Geographic Techniques.** (3) A. Prerequisites: three hours of geography or departmental approval. Introduction to the range of techniques used in geographic research and applications, including mapping, image interpretation, GIS, GPS, field work, quantitative analysis, library and Internet research, and others. Practical experience focus.

**GEO 353 Geographic Information Systems.** (3) A. Prerequisite: three hours of geography or departmental approval. Introduction to GIS principles, methods, operations, mapping, and applications. Topics include introduction to cartography, spatial data, databases, GIS analysis, models, site suitability, environmental and social applications, and more. Hands-on emphasis using ArcView and ArcGIS. 2 Lec/2 Lab.

**GEO 355 Geographic Image Interpretation.** (3) I. Prerequisite: three hours of geography or departmental approval, GEO 351 recommended. Principles, data sources, acquisition, interpretation, analysis, and application of geographic imagery, including maps, airphotos, shuttle photography, and satellite digital data. Manual and computer techniques. Hands-on emphasis. 1 Lec/4 Lab.

**GEO 405 Issues in Travel and Tourism.** (3) A. Prerequisites: GEO 205, GEO 305, and GEO 351 or departmental approval. A comprehensive study of current issues, trends, problems, and opportunities in the travel and tourism industry. Field trip and research paper required.

**GEO 425 Land Use Decisions and Controls.** (3) A. Examines social and economic influences on land values, and how zoning and other controls are used to balance public needs with private landowners' rights. Emphasizes legal framework governing the practice of community and regional planning.

**GEO 430 Sustainability in Appalachia.** (3) A. Examination of Appalachia's ecological, social, and economic patterns, and the processes through which residents can ensure their social, economic and ecological sustainability in the future.

**GEO 435 Biogeography.** (3) A. Study of plant and animal distributions and the nature of earth's major terrestrial biomes, with an emphasis on formulating sound hypotheses to explain the variety and ever-changing geographic ranges of living organisms.

**GEO 450 Field Studies.** (3) A. Field techniques and applied case studies of geographic topics in local and regional environs.

**GEO 490 Senior Seminar.** (3) A. Prerequisite: senior standing or departmental approval. A capstone course for majors that integrates students' academic experiences with their career development options.

**GEO 495 Practicum.** (3-6) A. Prerequisite: GEO major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

**GEO 498 Independent Study.** (1-3) A. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

**GEO 501 Advanced Geography:** \_\_\_\_\_. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, economic, geographic technique (GIS) themes. May be retaken to a maximum of six hours if subject matter differs each time.

**GEO 525 Seminar in Planning:** \_\_\_\_\_. (3) A. In-depth study of urban or regional planning topics, such as growth management and land use. May be retaken to a maximum of six hours provided subject matter differs each time.

**GEO 553 Advanced GIS.** (3) II. Prerequisite: GEO 353 or departmental approval. Advanced concepts, operations, and applications of raster and vector GIS. Spatial analysis using scanning, imagery, GPS, global data sets, and derived data for natural and social applications. Use of standards, metadata, open GIS, and other advances.

**GEO 555 Advanced Cartography.** (3) A. Prerequisite: GEO 355 or instructor approval. Advanced techniques of cartographic presentation of data to include computer applications. 1 Lec 4 Lab.

**GEO 556 Advanced Geographic Imagery.** (3) II. Prerequisite: GEO 355 or equivalent. Characteristics, interpretation, integration and applications of advanced geographic imagery, including remote sensing and GIS digital data. Attention on satellite and multi-spectral imagery, including image processing. Hands-on emphasis. 2 Lec/2 Lab.



**GEO 597 Special Studies in Geography.** (1-3) **A.** Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**GER—German**  
**Dr. Jose L. Varela, Chair**

**GER 101 Conversational German I.** (3) **I, II.** Prerequisite: all required developmental reading and writing courses. Beginning German conversation, grammar, and language skills. Emphasis on speaking and listening comprehension, with introduction to basic written forms. Taught within the context of Germanic cultures. Laboratory work required. Gen. Ed. 03 or 04.

**GER 101P German Practicum I.** (1) **I, II.** Students who enroll in this course must be concurrently enrolled in GER 101. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in GER 101.

**GER 102 Conversational German II.** (3) **I, II.** Recommended: GER 101 or equivalent proficiency. Continuation of GER 101. (Students entering GER 102 by referral or placement receive three hours credit for GER 101 if they make an "A" in 102.) Continuing work on basic communicative skills. Taught within the context of Germanic cultures. Laboratory work required. Gen. Ed. 03 or 04

**GER 102P German Practicum II.** (1) **I, II.** Students who enroll in this course must be concurrently enrolled in GER 102. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in GER 102.

**GER 201 Intermediate Conversational German I.** (3) **I, II.** Recommended: GER 102 or equivalent proficiency. German conversation, grammar, and other language skills with increased emphasis on developing basic writing and reading skills. Taught in a cultural context. Laboratory work required. Students entering GER 201 by referral or placement receive six hours credit for GER 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

**GER 202 Intermediate Conversational German II.** (3) **I, II.** Recommended: GER 201 or equivalent proficiency. German conversation, grammar, and other language skills with continuing emphasis on reading and writing skills. Taught in a cultural context. Laboratory work required. Students entering GER 202 by referral or placement receive nine hours credit for GER 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed. 03, 04, 07, or 08.

**GER 240 Beginning Conversation.** (3) **A.** Recommended: GER 201 or equivalent proficiency with department chair approval. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.) Gen. Ed. 03, 04, 07 or 08.

**GER 295 Independent Work in German.** (1-3) **A.** Prerequisite: GER 202 or equivalent proficiency. May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair.

**GER 310 Topics in German:** \_\_\_\_ (1-3) **A.** Prerequisite: GER 202 or equivalent proficiency with department chair approval. May be retaken to a maximum of 6 hours if topic is different. Selected topics in German language, literature, or culture.

**GER 340 Intermediate Conversation.** (3) **A.** Prerequisite: GER 240 or equivalent proficiency with department chair approval. Topics for conversation drawn from contemporary German life. Gen. Ed. 03, 04, 07 or 08.

**GER 495 Independent Work in German.** (1-3) **A.** Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of

six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**GLY—Geology**  
**Dr. Malcolm Frisbie, Chair**

**GLY 102 Earth Science for Teachers.** (3) **I, II.** Prerequisite: pre-teaching and teaching elementary and middle school education majors only or departmental approval. This inquiry-based course for teachers integrates content, pedagogy and technology to explore Earth as an integrated set of systems and as part of the Solar System. Credit will not be awarded for both GLY 102 and GLY 302. 1 Lec/4 Lab. Gen. Ed. 14.

**GLY 108 Introductory Geology.** (3) **I, II.** Investigation of the Earth as it exists and functions today, the materials that compose the Earth, the processes that act upon and within the Earth, and the interrelationship of both materials and processes with human activity. Credit will not be awarded to students who have credit for GLY 107. 2 Lec/2 Lab. Gen. Ed. 14.

**GLY 109 Earth History.** (3) **I, II.** Investigation of the origin of the Earth as a planet and its evolutionary development of physical and biological systems through time. Important turning points in the Earth's history will be emphasized. 2 Lec/2 Lab. Gen. Ed. 14.

**GLY 302 Earth Science.** (3) **A.** Introduction to the universe and our solar system, the Earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources. Credit will not be awarded for both GLY 302 and GLY 102. Gen. Ed. 15 or 16.

**GLY 303 Environmental Geology.** (3) **A.** Formerly GLY 390. Study of interaction of human activity and hazardous geologic processes. Designed for non-science majors. Gen. Ed. 15 or 16.

**GLY 304 Introduction to Oceanography.** (3) **I, II.** The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered. Gen. Ed. 15 or 16.

**GLY 307 Exploring the Dynamic Earth.** (3) **I, II.** Planet Earth: origin, composition, and evidence of activity and energetic recycling of Earth materials via plate tectonics. Gen. Ed. 15 or 16.

**GLY 309 Mineralogy.** (4) **I.** Prerequisite: GLY 108. Study of minerals commonly encountered in rocks and soils with minor emphasis on ore deposits: mineral geochemistry, crystal structure, classification, physical properties, and geologic environment. Laboratory develops the ability to identify minerals in hand specimens. 3 Lec/2 Lab.

**GLY 311 Optical Mineralogy.** (3) **II.** Prerequisite: GLY 309 or departmental approval. Optical properties of common minerals as a basis for identification using the petrographic microscope, plus introduction to other diagnostic techniques. Lab develops the ability to identify minerals microscopically in grain mounts and rock thin sections. 2 Lec/2 Lab.

**GLY 349 Applied Learning in Geology.** (1-8) **I, II;** (1-6) **SUMMER ONLY.** Work in placements related to academic studies. Total hours for baccalaureate, sixteen. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements.

**GLY 349 A-H Cooperative Study: Geology.** (1-8) **I, II;** (1-6) **SUMMER ONLY.** Work in placements related to academic studies. Total hours for baccalaureate, sixteen. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements.

**GLY 351 Field Methods.** (3) **A.** Prerequisites: GLY 108 and GLY 109. Methods of field geology including description and measurement of rock sequences, introduction to geological mapping

and writing geological reports. 1 Lec/4 Field (Saturdays).

**GLY 398 Independent Studies in Geology.** (1-6) **I, II.** Prerequisite: departmental approval. Topic determined by student and instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

**GLY 408 Process Geomorphology.** (3) **II.** Prerequisite: GLY 108 or departmental approval. An in-depth study of the geologic processes involved in landform development.

**GLY 409 Petrology.** (4) **I.** Prerequisite: GLY 311. Nature and origin of common rocks (igneous, sedimentary and metamorphic), with emphasis on crystalline rocks. Lab develops the ability to analyze and classify rocks in hand sample and in thin section using a petrographic microscope. 3 Lec/2 Lab.

**GLY 410 Structural Geology - Tectonics.** (4) **I.** Prerequisite: GLY 108 or 109. Deformation of Earth's crust across a wide range of scale with emphasis on plate tectonics and its consequences. Lab develops the ability to analyze the geometry of deformed rock bodies and solve common structural problems. 3 Lec/2 Lab.

**GLY 415 Sedimentary Geology.** (4) **I.** Prerequisites: GLY 108 and 109 or departmental approval. Examination of sedimentary processes and products, the characteristics and origins of sedimentary rocks and their related depositional environments, and application of these principles to solving geological problems. Laboratory develops techniques for describing and interpreting sedimentary rocks, structures, and stratigraphy. 3 Lec/2 Lab.

**GLY 420 Stratigraphy and Paleontology.** (4) **II.** Prerequisite: GLY 415. Description, correlation, and interpretation of stratified sedimentary sequences; identification and interpretation of the fossils they contain. Emphases: rock-vs. time-stratigraphy, facies relationships, sequence stratigraphy, event stratigraphy, biostratigraphy, well log correlation. 3 Lec/2 Lab.

**GLY 451 Field Camp.** (6) **SUMMER ONLY.** Prerequisites: GLY 409 and 410. Field-training course in the northern and central Rocky Mountains (6 weeks). Analysis of rock sequences; geologic mapping of sedimentary, metamorphic, and igneous terrains; interpretation of complex rock deformation; regional geological synthesis with emphasis on tectonics; and visits to many instructive geologic localities, including national parks and monuments.

**GLY 490 Applied Geology: Case Studies.** (3) **A.** Prerequisite: GLY 109 or departmental approval. Detailed analysis of the environmental implications of human use of earth materials and interaction with geologic processes.

**GLY 499 Senior Thesis.** (3) **A.** Prerequisites: senior standing and department approval. Supervised, independent thesis project for majors in geology. Thesis project must be approved by faculty supervisor and department committee prior to enrollment in the course.

**GLY 500 Earth Science Problems for Teachers:** \_\_\_\_ (1-3) **I, II.** Prerequisite: departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

**GLY 503 Earth Materials.** (3) **I.** Prerequisite: GLY 108 or departmental approval. Survey of natural materials: minerals, rocks, soils and natural resources presented in the compositional structure of the Earth. Emphasis on the interaction between these materials and human activity, and on analytical techniques. Does not count toward B.A./B.S. in geology. 2 Lec/2 Lab.

**GLY 504 Earth Processes. (3) II.**

Prerequisite: GLY 108 or departmental approval. Survey of natural processes: weathering and erosion; transportation, deposition and consolidation of sediment; deformation and uplift of the Earth's crust. Emphasis on the interaction between these processes and human activity, and on analytical techniques. Does not count toward B.A./B.S. in geology. 2 Lec/2 Lab.

**GLY 512 Geology of Soils. (3) A.**

Prerequisite: GLY 108 or departmental approval. Composition, classification, and evolution of soils, role of climate, living organisms, physiography, and underlying geology in soil formation. Emphasis on clay mineralogy, soil analytical techniques, soil mapping, paleosols in the rock record, human interaction with soils, and the economic importance of soils. 2 Lec/2 Lab.

**GLY 535 Hydrogeology. (3) I.** Prerequisite: GLY 108 or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

**GLY 540 Biogeochemical Treatment Processes. (3) A.** Prerequisite: departmental approval. Survey of remediation processes for polluted waters and soils; emphasis on understanding the science of and application for various treatment processes.

**GLY 550 Evolution of the Earth. (3) A.**

Prerequisite: senior standing or departmental approval. Capstone course: overview of geological principles from the perspective of the Earth's history, physical and biological. Emphasis on critical thinking and expressive writing.

**GLY 580 Selected Topics: \_\_\_\_\_. (1-3) A.**

Prerequisite: senior standing or departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

**GSD—Student Development**

Dr. Aaron Thompson, Associate Vice President

**GSD 225 Leadership Dynamics. (2) II.**

The course is designed to introduce current and emerging leaders to leadership theory and development. Attention is given to self awareness, leadership styles, conflict resolution, communication skills, ethics and values and real world experience. Information is provided through class discussion, speakers, group work, journals and case studies.

**GSO—Orientation for Undeclared Students**

Dr. Aaron Thompson, Associate Vice President

**GSO 100 Academic Orientation. (1) I, II.**

An orientation to university academic life and career planning and preparation. Topics include university policies and procedures, program requirements, career opportunities, and introductory study skills. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

**GSO 101 Cultural Orientation for International Students. (1) A.** An orientation to American customs and the American education system for undergraduate international students attending an American university for the first time. Students are also required to take GSO 100.

**GSO 102 Transition to College. (3) A.** Prerequisite: taken by referral or placement. The course is an intensive introduction to the university, including study skills, cultural and learning resources, academic life, university policies and procedures, self-exploratory activities and growth.

**GSO 149 Co-op Professional Seminar. (1) I, II.** Prepare students for the job market prior to co-oping. Topics include: self-assessment, communication, resumes and cover letters,

interviewing techniques, business etiquette. Credit will not be awarded to students who have credit for CMS 330.

**GST—General Studies Tutoring**

Dr. Aaron Thompson, Associate Vice President

**GST 300 Principles of Peer Tutoring. (3) I.**

Prerequisites: 2.5 cumulative GPA, 45 or more completed credit hours, and consent of the instructor. Students will assist in the teaching of General Studies Orientation (GSO 102). The class will provide the tutoring/mentoring experience. The Peer Tutors will record, reflect upon, and evaluate the EKU Peer Tutor experience while time will be devoted to learning mentoring and tutoring skills and techniques.

**HCA—Health Care Administration**

Dawn Jackson, Coordinator

**HCA 372 Health Care Reimbursement**

**Systems. (3) I.** Prerequisite: ACC 202 or CHS 100. An in-depth analysis of health care reimbursement systems; health insurance fraud and abuse; and procedures for patient accounting and cash flow forecasting.

**HCA 375 Health Care Administration. (3)**

**I.** Prerequisite: MGT 320. Application of financial principles, strategic planning, marketing, and leadership skills to selected health care organizations.

**HEA—Health Education**

Dr. Michael Ballard, Chair

**HEA 202 Safety and First Aid. (2) I, II.**

Instruction and practice in first aid and safety procedures. Includes assessment and first aid procedures regarding life-threatening emergencies, injuries, medical emergencies, and rescues. Focus on prevention, as well as first aid. Includes certification in Adult CPR. Credit will not be awarded to students who have credit for EMC 102.

**HEA 203 Respiratory and Circulatory**

**Emergencies (CPR). (1) I, II.** Methods involved in the performance of cardio-pulmonary resuscitation. Completion of class certifies student with American Red Cross Community CPR. Credit will not be awarded to students who have credit for EMC 102.

**HEA 281 Personal and Community Health.**

**(2) I, II.** Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days. Gen. Ed. 19.

**HEA 290 Foundations of Health Education.**

**(3) II.** The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

**HEA 315 Contemporary Health Problems.**

**(3) II.** Etiology, effects, remediation, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

**HEA 345 Drugs, the Individual, and Society.**

**(3) I, II.** Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

**HEA 349 Applied Learning in Public**

**Health. (1-8) A.** Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies. Credit varies with hours of employment; one to eight hours per semester or summer. May be retaken to a maximum of 12 hours. Minimum 80 hours employment required for each semester hour credit.

**HEA 349 A-II Cooperative Study: Public Health. (1-8) A.** Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies. Credit varies with hours of employment; one

to eight hours per semester or summer. May be retaken to a maximum of 12 hours. Minimum 80 hours employment required for each semester hour credit.

**HEA 360 Community Health Education**

**Process. (3) II.** Prerequisite: CSC 104 or CIS 212 or department chair approval. Planning, organizing, delivering, and evaluating the community health education program.

**HEA 375 Family Life Education. (3) I.**

Biophysical and psycho social aspects of sexuality and relationships, with emphasis on choices affecting health and well-being. Focuses on developing skills in teaching and facilitating positive behavior changes for people working in schools and communities. Credit will not be awarded to students who have credit for CDF 232.

**HEA 380 Mental Health Education. (3) I.**

Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

**HEA 390 Instructor of Standard First Aid**

**and Personal Safety. (1) A.** Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety instructor.

**HEA 391 Instructor of CPR. (1) A.**

Prerequisite: HEA 203 or current CPR certification. A course designed to prepare instructors to teach respiratory and circulatory emergencies (CPR). Certification to teach the American Red Cross Adult, Child, Infant, and Community CPR will follow successful completion. Other related pedagogical methods will be explored.

**HEA 416 Introduction to Public Health. (3)**

**II, A.** An introduction to the organization and functions of public health at local, state, and national levels. Identifies relationship between human ecology and the public's health. Includes projection of future public health direction.

**HEA 420 Senior Seminar in Health**

**Education. (1) II.** Students will draw together skills and knowledge needed to enter the workforce, and will review core competencies required of the health education specialist. Students will prepare to become certified in the field of health education.

**HEA 450 Interpretation of Health Data. (3)**

**I.** Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 824 or EPY 842 or PSY 291 or QMB 200 or STA 208 or STA 215 or STA 270.

**HEA 455 Introduction to Epidemiology. (3)**

**I, A.** Factors that affect the occurrence and courses of diseases—causative agents, susceptible hosts, favorable environments, and the effective use of statistical epidemiological methods.

**HEA 458 AIDS and the Social Response.**

**(2) A.** Cross listed as SWK 458. Prerequisites: SOC 131, PSY 200, and junior standing or instructor's approval. Psychosocial aspects of HIV infection. Exploration of methods of responding to and serving people with HIV. Development of population specific prevention strategies. Credit will not be awarded to students who have credit for CHS 342 or SWK 458.

**HEA 463 Internship in Health Promotion**

**and Administration. (1-6) A.** Supervised experiences for seniors in the directing of Health Promotion and Administration activities in various settings. May be retaken to a maximum of six hours.

**HEA 498 Independent Study. (1-3) I, II.**

Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.



**HEA 580 Evaluation of Health Promotion Programs.** (3) I, II. This course will provide an introduction to principles, strategies, and skills for the evaluation of health promotion programs in a variety of settings.

**HEA 590 Health Education:** \_\_\_\_\_. (1-3) A. Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken with advisor approval provided subtitle is different.

**HEA 591 Women's Health.** (3) A. Analysis of the major health problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns.

**HEA 592 Human Sexuality.** (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

**HEA 593 Death and Grief.** (3) A. A study of attitudes, behaviors, and issues concerning death and grief. Topics include responses to death and grief throughout the life cycle; process of grief and bereavement; theology and death; legal aspects of dying; care of the dying; suicide; post-mortem care; death education.

**HEA 594 Drug Abuse and Dependency.** (3) I, II. Study of the nature and progression of chemical abuse and dependency, and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment.

**HEA 595 Alcohol Abuse and Dependency.** (3) A. Study of the impact of alcohol related attitudes and behaviors on individuals and society. Includes study of influences on choices about alcohol, behavior change strategies, prevention, intervention, and treatment.

**HEA 596 Approaches to Alcohol and Drug Treatment I.** (3) I, II. Prerequisite: HEA 594 or 595. Understanding and approaches in chemical dependency counseling, using international certification guidelines. Includes: screening, intake, orientation, assessment, intervention, education, referral, record-keeping, HIV, and consultation.

**HEA 597 Approaches to Alcohol and Drug Treatment II.** (3) I, II. Prerequisite: HEA 596. Understanding and approaches in chemical dependency counseling, as identified in international certification guidelines. Includes: needs, counseling approaches, and ethics regarding special populations.

**HEA 598 Health Promotion Program Planning.** (3) I. An introduction to principles, strategies, and skills which are necessary for the planning and implementation of health education and health promotion programs in a diversity of settings.

**HEA 599 Violence Prevention in Schools and Communities.** (3) A. Exploration of the issues surrounding school and community violence and current strategies for intervention.

**HIS—History**  
Dr. David Sefton, Acting Chair

**HIS 098 Introduction to World Civilizations.** (3) A. A course to meet the PCC deficiency in Social Sciences. This course will emphasize the way in which history is researched and written and will foster an understanding of how other related disciplines assist in historical analysis. This course does not count toward graduation.

**HIS 142 Foundations of World Civilization.** (3) I, II. Focuses on pre-history, including theories of human origins and the

development of culture and societies. Examines the Agricultural Revolution and the emergence of the first civilizations. Gen. Ed. 09.

**HIS 200 Introduction to Historical Methods.** (1) A. Prerequisite: HIS majors only. Prerequisite or Corequisite for all upper division courses for HIS majors. Introduction to reading and writing techniques in History.

**HIS 201 Historical Research and Methods.** (3) I, II. HIS majors only. A comprehensive introduction to historical research, writing, and methodologies.

**HIS 202 American Civilization to 1877.** (3) A. Transition from colonial to independent republic; social, cultural, and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history. Gen. Ed. 10.

**HIS 203 American Civilization since 1877.** (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history. Gen. Ed. 11.

**HIS 231 Western Civilization I.** (3) A. Ancient Greece to the industrial revolution; institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be awarded to students who have credit for HIS 246. Gen. Ed. 10.

**HIS 232 Western Civilization II.** (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry, development of current western civilization. Credit will not be awarded to students who have credit for HIS 247. Gen. Ed. 11.

**HIS 246 Preindustrial World Civilizations.** (3) I, II. Analyzes the pattern and historical development of agrarian civilizations, particularly in the Middle East (including North Africa), South Asia, East Asia, and Europe. Credit not awarded for both HIS 246 and HIS 231. Gen. Ed. 10.

**HIS 247 Industrialism in World Civilizations.** (3) I, II. Examines the European origins of the Industrial Revolution and its global diffusion. Surveys the major political, social, and economic developments in the Industrial era. Credit not awarded for both HIS 247 and HIS 232. Gen. Ed. 11.

**HIS 300 Topics in History:** \_\_\_\_\_. (1-3) A. Movements in history that have influenced and continue to influence the course of culture and civilization. May be retaken to a maximum of six hours provided topics vary.

**HIS 301 History as Biography:** \_\_\_\_\_. (3) A. Prerequisite: three hours HIS or department approval. Explores the relationship between individual lives and important historical processes and events. Each section will focus on the life of one individual as a case study.

**HIS 302 Research Topics in History:** \_\_\_\_\_. (3) I, II. Historical research and methodologies using case studies of specific movements in history that have influenced and continue to influence the course of cultures and civilizations. May be retaken to a maximum of six hours provided topics vary.

**HIS 303 Women in American History.** (3) A. Prerequisite: three hours HIS or department approval. Social, economic, and cultural role of women in America. Women's work; social position and status; women in reform movements; feminism and the suffrage movements; the new feminism.

**HIS 305 African-American History.** (3) A. Prerequisite: three hours HIS or department approval. African history to 1500, Europe, Africa, and the Americas; trans-Atlantic and domestic slave trades; American slavery; emancipation; post-emancipation experiences and initiatives; persistence of black nationalism. Gen. Ed. 12.

**HIS 312 Independent Study in History:** \_\_\_\_\_. (3) A. Individual research and/or reading on a problem area in history. Regular reports and final research paper required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**HIS 315 History, Memory, and Film.** (3) A. Prerequisite: three hours HIS or department approval. The relationship between the discipline of History and human memory, that is the past as officially recorded and how people remember it. Particular attention will be paid to landmark historical films which will be used as case studies of how this media can affect our historical narratives.

**HIS 320 History of the Arab World.** (3) A. Prerequisite: three hours HIS or department approval. A historical survey of the Arabs, with special attention to the Arab role in the development and spread of Islam, the interaction of the Arabs with other Middle Eastern peoples, and the Arab reaction to the challenge posed by the modern West, all significant factors in the political and cultural shaping of the contemporary Middle East.

**HIS 330 Seminar in Contemporary World Civilization.** (3) I, II. Prerequisite: three hours of social science or instructor approval. Does not apply to major or minor in history. Examines social issues that are global in scale, relates them to the continuing process of industrialization, and analyzes them within their historical and cultural contexts. Gen. Ed. 12.

**HIS 336 Greco-Roman Civilization.** (3) A. Prerequisite: three hours HIS or department approval. Greek society and culture; emergence of the Roman Republic; the Roman Empire.

**HIS 339 Medieval Civilization.** (3) A. Prerequisite: three hours HIS or department approval. The collapse of the Classical world; the Germanic migrations; early Byzantine and Islamic civilizations; the Carolingians; the church and society; feudalism; commercial and urban revival; the rise of territorial states and the beginnings of European expansion.

**HIS 341 Europe, 1689-1815.** (3) A. Prerequisite: three hours HIS or department approval. The Age of Reason; French, German, and British philosophies; 18th-century European politics and economic development; early industrialization; emergence of European dominance; the French Revolution.

**HIS 342 Europe from 1815 to 1914.** (3) A. Prerequisite: three hours HIS or department approval. Congress of Vienna; revolutionary reform; liberalism; realism and nationalism; worldwide impact of Europe prior to World War I; industrialism, imperialism.

**HIS 343 Europe in the Renaissance Era.** (3) A. Prerequisite: three hours or department approval. Society, culture, economy and politics in Europe, 1348-1533. The "Black Death" and its impact. Italian Renaissance humanism and art. Christian humanism. European expansion and colonialism in the age of Columbus.

**HIS 344 Europe in the Reformation Era.** (3) A. Prerequisite: three hours HIS or department approval. Religion, society and politics in Europe, 1517-1689. The medieval and Renaissance legacies; the development of Protestant and Catholic reform movements; the age of religious wars.

**HIS 345 English History to 1603.** (3) A. Prerequisite: three hours HIS or department approval. Roman Britain; Feudalism; rise of Parliament; Hundred Years' War; Reformation; Elizabethan Age.

**HIS 346 English History from 1603 to present.** (3) A. Prerequisite: three hours HIS or department approval. Civil War, imperial expansion; beginnings of industrialization; Victorian Liberalism; two world wars and beyond.

**HIS 347 Recent and Current World History, 1914 to present.** (3) A. Prerequisite: three hours HIS or department approval. World War I; peace settlement of 1919; problems of security; war debts and reparations; disintegration of peace settlement; World War II; the Cold War.



**HIS 349 Applied Learning in History. (1-8)**

**A.** Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**HIS 349-A-II Cooperative Study: History.**

**(1-8) A.** Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**HIS 350 Modern Germany since 1848. (3)**

**A.** Prerequisite: three hours HIS or department approval. Nationalism, liberalism, and the German problem; Bismarck and unification; industrialization and socialism; World War I; Weimar Republic and Depression; Hitler and the Third Reich; World War II and the Holocaust; Federal Republic and GDR; Cold War and beyond.

**HIS 354 Modern France. (3) A.**

Prerequisite: three hours HIS or department approval. Economic, political, social, and cultural developments in France from 1789 to the present.

**HIS 363 History of Russia. (3) A.**

Prerequisite: three hours HIS or department approval. Survey of Russian History from 860 to 1855. Cultural, economic, social, political and diplomatic development of Russia to the end of the Crimean War.

**HIS 365 History of 20th Century Russia. (3) A.**

Prerequisite: three hours HIS or department approval. Cultural, social, economic and political events leading to the 1917 Revolution. The history of the Soviet Union including its recent Break-up into independent states.

**HIS 374 East Asian History to 1600. (3) A.**

Prerequisite: three hours HIS or department approval. China and Japan from the beginnings of East Asian civilization in Neolithic times to the early modern period; the development of key social, economic, and political institutions; the Confucian tradition and the introduction of Buddhism; the Mongol era; the late imperial order in China and the emergence of Japanese feudalism.

**HIS 375 East Asian History since 1600. (3)**

**A.** Prerequisite: three hours HIS or department approval. China and Japan from early modern times to the present; the formation of the Ch'ing order in China and Tokugawa Japan; foreign encroachments and internal revolt; the Meiji Restoration; late Ch'ing reform; the Revolution of 1911; warlordism; the Pacific War; Civil War; Japan as superpower and Communist China.

**HIS 378 Modern India. (3) A.**

Prerequisite: three hours HIS or department approval. India since c.1500. Geographical, historical and institutional background to Modern India. Islam and the Mughal Empire. British India and Indian Nationalism. The independence movement. South Asia since independence.

**HIS 383 Colonial Latin America. (3) A.**

Prerequisite: three hours HIS or department approval. The colonial and independence years in Latin America, with emphasis on the conquest and settlement experiences, and the administrative, cultural, and socioeconomic trends in the colonies.

**HIS 384 Modern Latin America. (3) A.**

Prerequisite: three hours HIS or department approval. The national period in Latin American history, with emphasis on dependency theory, Roman Catholicism in the region, and United States-Latin American relations.

**HIS 385 Early African History. (3) A.**

Prerequisite: three hours HIS or departmental approval. History of Africa from earliest times to 1860. Emphasis on social, political, economic, and cultural change in states and societies; oral tradition; the environmental and human activities; slavery and the slave trades.

**HIS 386 Modern African History. (3) A.**

Prerequisite: three hours HIS or departmental approval. History of Africa from the 19th century to the present. Themes include: trade and politics; European conquest and African resistance; rural survival and urban popular culture; race, class, gender, ethnicity, and age; African nationalism and independence.

**HIS 387 South Africa History. (3) A.**

Prerequisite: three hours of HIS or departmental approval. Social, political, economic, and cultural history of South Africa with emphasis on 19th and 20th centuries. Themes include: African chiefdoms; white settlers and colonialism; mining and industrialization; segregation and apartheid; race, class, gender, ethnicity, and age; popular culture and social identities.

**HIS 401 American Colonial Period. (3) A.**

Prerequisite: three hours HIS or department approval. Political and social history of the 13 colonies and their neighbors; European background, settlement, westward expansion; intercolonial conflicts; beginnings of culture; colonial opposition to imperial authority.

**HIS 402 Revolutionary America. (3) A.**

Prerequisite: three hours HIS or department approval. Colonial background of Revolution; internal and external nature of Revolution; problems associated with Confederation; events leading to the American Constitution.

**HIS 403 Jacksonian America, 1824-1848. (3) A.**

Prerequisite: three hours HIS or department approval. Political, social, and economic transformation in an era of general exuberance.

**HIS 404 Life in Industrializing America. (3) A.**

Prerequisite: three hours of HIS or departmental approval. Early industrialization and its affects on everyday life, economically, socially, and politically, 1830-1870.

**HIS 405 America's Westward Expansion. (3) A.**

Prerequisite: three hours HIS or department approval. Colonial frontier, trans-mountain movements; Indian problems; Manifest Destiny; the sectional struggle: mining; railroads; cattle; agriculture.

**HIS 406 Nineteenth-Century South. (3) A.**

Prerequisite: three hours HIS or department approval. Emphasis on slavery and emancipation in the American South, on plantations and farms, through war and reconstruction, and into the industrial transformation of the New South.

**HIS 407 American South in the 20th Century. (3) A.**

Prerequisite: three hours HIS or department approval. The American South in a modernizing and industrial age; racial capitalism and labor activism; perceptions of Southern "backwardness" and governmental modernization efforts; the Black liberation movement.

**HIS 408 The Early Republic, 1789-1824. (3) A.**

Prerequisite: three hours HIS or department approval. U.S. Constitution and subsequent political developments; early growth of capitalism and its social consequences; changes in gender and racial ideologies; Native American resistance and westward expansion of the United States.

**HIS 411 America, 1877-1920. (3) A.**

Prerequisite: three hours HIS or department approval. Western expansion; industrialization; America's becoming a world power; reform movements; immigrants', African-Americans', and women's lives; World War I; popular culture.

**HIS 412 U.S. in Peace and War, 1920-1945. (3) A.**

Prerequisite: three hours HIS or department approval. The 1920's; the New Deal; the changing role of government; America's role in world affairs; World War II; popular culture.

**HIS 413 America Since 1945. (3) A.**

Prerequisite: three hours HIS or department approval. Cold War; problems of world leadership; Korea, Vietnam, the Gulf; affluence and recession; the reality and conflicts of pluralism; crises in political, social, and economic life.

**HIS 415 American Economic History. (3)**

**A.** Prerequisite: three hours HIS or department approval. Cross listed as ECO 415. Factors spurring and hindering American growth and development from the colonial period through the present. Credit will not be awarded to students who have credit for ECO 415.

**HIS 420 Appalachia in America History. (3) A.**

Prerequisite: three hours HIS or department approval. The relationship between Appalachia and the rest of the United States. Topics include the "yeoman" myth, coal industrialization, settlement houses, company towns, and the identification of the region with poverty.

**HIS 424 Civil War and Reconstruction. (3) A.**

Prerequisite: three hours HIS or department approval. Intellectual, social, and political roots of the sectional crisis; military and social perspectives on the war years; the continuation of the sectional crisis in Reconstruction.

**HIS 433 American Diplomatic History. (3)**

**A.** Prerequisite: three hours HIS or department approval. American foreign relations from the late 19th century to the present; emphasis on development of major trends such as isolationism, imperialism, and internationalism.

**HIS 434 History of the Vietnam War. (3)**

**A.** Prerequisite: three hours of HIS or departmental approval. This course investigates the American experience in Vietnam by examining the diplomatic, political, economic, social, military, and cultural dimensions of the war.

**HIS 449 Readings in History. (3) A**

Prerequisites: HIS major and three hours upper-division HIS. Reading and analysis of important historic literature.

**HIS 450 Senior Seminar in History. (3) A.**

Prerequisites: HIS major and six hours of upper-division HIS, passage of UWR, and completion of at least one required term paper, or departmental approval. Research and writing in History.

**HIS 474 Transformation of China. (3) A.**

Prerequisite: three hours HIS or department approval. The transformation of China from the Qing dynasty (1644-1911) to the People's Republic; the impact of the West; the Nationalist government; the rise of the Chinese Communist party; and the Cultural Revolution.

**HIS 475 History of Modern Japan. (3) A.**

Prerequisite: three hours HIS or department approval. Japan from 1600 to the present. Included will be the arrival of the West, industrialization, militarism, World War II, and Japan as economic superpower.

**HIS 516 Kentucky History. (3) A.**

Prerequisite: three hours HIS or department approval. Social, economic, and political survey; Kentucky's role in national developments.

**HNF—Health Information  
Dawn Jackson, Coordinator****HNF 202 Health Information Processing.**

**(3) II.** Prerequisites: CHS 100, CIS 212 or CSC 104. Survey of health information systems, systems analysis and health data base management. Blocked during the first half of the semester.

**HNF 203 Fundamentals of Medical Science.**

**(4) I, II.** Prerequisites: CHS 200, BIO 171, and 301. An introduction to the study of disease—its causes, symptoms, and treatment. 5 Lec/Lab.

**HNF 305 Health Information Standards.**

**(3) I, II.** Prerequisite or Corequisite: HNF 203. Medical record content, methods of maintaining licensure, certification and accreditation standards relative to medical record documentation and health information management.

**HNF 306 Medical Nosophy. (3) I, II.**

Prerequisite or Corequisite: HNF 203 or departmental approval. Coding and classification of symptoms, diseases, operations, and procedures according to ICD-9-CM. Manual and computerized coding of hospital records and DRG assignment. 2 Lec/2 Lab.

**HNF 308 Specialized Health Records and Registries.** (2) **II.** Prerequisites: HNF 305, HNF 306. Maintenance of health records in non-hospital health care facilities; organization, functions, and procedures of specialized registries.

**HNF 310 Healthcare Data Quality and Utilization.** (4) **I.** Prerequisite: MAT 105, 107 or STA 215. Prerequisite or Corequisite: HNF 305. Healthcare data analysis for administrative uses in quality improvement and utilization management.

**HNF 311 Practical Applications in Health Information Technology.** (2) **II.** Prerequisites: CIS 212 or CSC 104, HNF 314. Discussion of trends, updates, case studies and problem-solving activities related to health information technology.

**HNF 312 Medical Record Technical Practice.** (6) **I, II.** Prerequisite: program approval. Internship assignment to hospital medical record/health information departments for observation and practice of technical medical record functions. Blocked during the second half of the semester.

**HNF 314 Advanced Medical Nology.** (3) **I, II.** Prerequisite: HNF 306. HCPCS and ICD-9-CM coding and reimbursement systems for physician services and hospital inpatient and outpatient services. 4 Lec/Lab.

**HNF 316 Health Information Technical Practicum.** (3) **A.** Prerequisites: HNF 314, HNF 401. Assignment to hospital medical record departments for observation and practice of certain technical medical record functions (designed primarily for four year baccalaureate and post-baccalaureate students).

**HNF 332 Legal Principles for Health Care Professionals.** (2) **II.** Prerequisite: CHS 100. Basic aspects of law and its implications for health care, including professional liability, confidentiality, consents and authorizations, and contemporary issues.

**HNF 370 Health Information Management Systems.** (3) **I.** Prerequisites: CHS 100, CIS 230, junior standing (a minimum of 60 hours). Health information systems, systems analysis, and health data base management.

**HNF 401 Legal Issues in Health Care.** (3) **II.** Prerequisites: CHS 100, junior standing (a minimum of 60 hours). Legal status, documentation requirements, and liability related to medical records and health care issues.

**HNF 405 Clinical Information Management.** (3) **II.** Prerequisites: CMS 300, HNF 370, HNF 401, HNF 406. Review of health trends related to the management of clinical information systems. Course format will include mock committee meetings and role playing. Blocked during first half of the semester.

**HNF 406 Health Care Quality Management.** (3) **I.** Prerequisites: CHS 100, STA 215 or 270, junior standing (a minimum of 60 hours). A study of total quality management, utilization review, and risk management functions in a health care setting.

**HNF 407 Health Information Management.** (3) **I.** Prerequisites: MGT 301, MGT 320, HNF 312 or 316. Application of management principles to the administration of hospital medical record/health information departments.

**HNF 409 Health Services Research Methods.** (3) **I.** Prerequisites: CHS 100, STA 215 or 270, junior standing (a minimum of 60 hours). Introduction to the process of research, related terminology and statistical techniques, significance to health care, critique of published research articles, and development of a protocol.

**HNF 410 Advanced Health Information Management.** (2) **II.** Prerequisites: HNF 370 and 407. Advanced study in trends relating to health information management and the role of the health information professional. Blocked during the first half of the semester.

**HNF 412 Health Information Management Practicum.** (6) **II.** Prerequisite: program approval. Internship assignment to hospital medical record/health information departments for observation and

practice of management functions. Blocked during the second half of the semester.

**HNF 498 Independent Study in Health Information.** (1-6) **A.** Prerequisite: student must have the independent study proposal approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to the health information profession. May be retaken to a maximum of six hours.

#### **HON—Honors Program Courses** **Dr. Lyle Cook, Provost and Vice President**

**HON 100 Honors Seminar.** (1) **I.** This course is designed to be an introduction to the Honors Program and will include selected readings and discussions, guest speakers, and enrichment experiences.

**HON 102 Honors Rhetoric.** (6) **I.** Designed to improve skills in writing, reasoning, oral presentation, and research. Each student will do a research paper that requires both significant use of library resources and the development of a cogent line of argument. Gen. Ed. 01 and 02.

**HON 205 Honors Humanities I.** (3) **II.** This course (together with HON 306) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 05.

**HON 210 Honors Civilization I.** (3) **II.** Analyzes the historical development of Western and other major civilizations to the eve (c. 1700) of the Industrial Revolution with emphasis on: Ancient Greece, the historical setting for an Asian Religion, Europe c. 1300, and Europe c. 1650. Gen. Ed. 10.

**HON 304 Special Topics.** (3) **A.** A topics course meeting the goals of the Honors Program as well as those of General Education category 04. May be retaken with different topics to a maximum of six hours.

**HON 306 Honors Humanities II.** (3) **I.** This course (together with HON 205) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 06.

**HON 308 Special Topics.** (3) **A.** A topics course meeting the goals of the Honors Program as well as those of General Education category 08. May be retaken with different topics to a maximum of six hours.

**HON 311 Honors Civilization II.** (3) **I.** Analyzes the economic, political, and intellectual forces that have changed the world since c. 1700 A.D. with emphasis on the French Revolution, the Industrial Revolution, Imperialism, the World Wars and the Emergence of the Third World. Gen. Ed. 11.

**HON 312 Special Topics.** (3) **A.** A topics course meeting the goals of the Honors Program as well as those of General Education category 12. May be retaken with different topics to a maximum of six hours.

**HON 315 Honors Science.** (3) **II.** In-depth treatment of a centrally important concept or conceptual scheme in science, illustrating the nature of scientific inquiry and the relationship between science and other human endeavors. Class discussion and writing will be stressed. Gen. Ed. 15.

**HON 316 Special Topics.** (3) **A.** A topics course meeting the goals of the Honors Program as well as those of General Education category 16. May be retaken with different topics to a maximum of six hours.

**HON 320 Special Topics.** (3) **A.** A topics course meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours.

**HON 390 Directed Topics in Honors.** (1-3) **A.** Prerequisite: approval of honors program director. Specialized study of selected topics usually culminating in an official presentation at a conference such as the National Collegiate Honors Conference. Student must have the special topics proposal form

approved by a faculty mentor prior to enrollment. May be retaken with different topics to a maximum of six hours.

**HON 420 Thesis Project and Seminar.** (3-6) **I, II.** An in-depth thesis or major project, approved by the honors director, and presented in a suitable format within the seminar.

#### **HPR—General Physical Education** **Dr. Lonnie J. Davis, Chair**

**HPR 180 Fitness and Wellness.** (1) **I, II.** An examination of wellness concepts associated with physical and motor fitness with lecture and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. Gen. Ed. 17.

**HPR 282 Exercise, Movement, and Sports Skills.** (1) **I, II.** Course focuses on skill acquisition and improvement of function through selected activities in sports, dance, aquatics, and exercise systems. Gen. Ed. 18.

#### **HPR—Lifetime Activity Series** **Dr. Lonnie J. Davis, Chair**

**HPR 190 Wellness Experience.** \_\_\_\_\_. (1-2) **I, II.** Wellness activities of current interest and/or need for students. May be retaken to a maximum of six hours, if subtitles are different.

**HPR 390 Lifetime Activity Series.** \_\_\_\_\_. (1/2-2) **I, II.** A series of activities suitable for participation throughout life. Includes rules, skills, techniques, and strategies. May be retaken to a maximum of four hours toward graduation requirements.

#### **HSO—Health Sciences Orientation** **Dr. David D. Gale, Dean**

**HSO 100 Academic Orientation.** (1) **A.** Orientation to the academic life and career preparation with emphasis on University regulations, catalog details, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at ECU; beyond that open to students with fewer than 30 semester hours earned.

#### **HUM—Humanities** **Dr. Jose L. Varela, Chair**

**HUM 124 Humanities and the Search for Meaning.** (3) **I, II.** Seniors must have approval of the department chair. No credit after earning nine or more hours of general education humanities. Through study of works of literature, visual art, and music, this course introduces students to integrated thinking as a way of living meaningfully in today's world. Gen. Ed. 07 or 08.

**HUM 226 The Search for Meaning: The Ancient World.** (3) **I, II.** Prerequisite: HUM 124. Through study of works of literature, visual art, and music, this course focuses on the significant ideals of ancient and medieval cultures and on integrative processes that gave rise to them. Gen. Ed. 05.

**HUM 228 The Search for Meaning: The Modern World.** (3) **I, II.** Prerequisites: HUM 124 and 226 or HUM 124 and ENG 211. Study of selected works of literature, philosophy, visual art, and music since the European Renaissance with emphasis on the creativity and responsibility of the individual. Gen. Ed. 06.

**HUM 300 Humanity in the Postmodern Age.** (3) **A.** Prerequisites: HUM 226 or ENG 211 and HUM 228 or ENG 212. Students will reflect on key questions about modern and postmodern life as they emerge in literature, philosophy, visual art, music, and film since 1945. Gen. Ed. 08.



**HUM 400 Topics in Humanities.** (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken to a maximum of six hours if the topic is different each time.

**HUM 410 Humanities Seminar.** (3) A. Prerequisite: departmental approval. In this course, students will examine interdisciplinary methodologies and will work together and independently on interdisciplinary projects. They will learn about resources appropriate to the study of humanities, and they will be given opportunities to experience the creative process firsthand.

**IES—Foreign Exchange Studies**  
Dr. Neil Wright, Director

**IES 300 Foreign Exchange Study.** (1) I, II. Prerequisites: sophomore standing, and approval from the International Director as an appointed exchange student. This course may be repeated for each semester spent studying abroad and is a Satisfactory/Unsatisfactory course.

**IES 400 Foreign Exchange Studies.** (1) I, II. Students attending foreign institutions as exchange students with tuition waivers must be enrolled in GSE 400 during the exchange semester.

**INS—Insurance**  
Dr. Jessica Johnson Frazier, Chair

**INS 349 Applied Learning in Insurance.** (1-3) A. Prerequisites: GPA 2.0 and departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour.

**INS 349 A-H Cooperative Study: Insurance.** (1-3) A. Prerequisites: GPA 2.0 and departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour.

**INS 370 Principles of Risk and Insurance.** (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for organizations and families; review of the major lines of insurance.

**INS 372 Fundamentals of Property-Liability Insurance.** (3) A. Prerequisite: INS 370 or instructor approval. Planning and evaluating non-personal property-liability insurance; analysis of insurance coverage against pure risk related to property-liability insurance exposure.

**INS 374 Fundamentals of Life and Health Insurance.** (3) A. Prerequisite: INS 370 or instructor approval. Analysis of life and health insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life and health insurance needs.

**INS 378 Risk Management.** (3) A. Risk Management as used by organizations; basic functions of risk management with emphasis placed on risk management decision making.

**INS 380 Personal Risk Management.** (3) A. Prerequisite: INS 370 or instructor approval. An intensive examination of personal loss exposures and their treatment. Emphasized is the use of risk management techniques. Topics include property and liability loss exposures for personal automobile, homeowners, premature death, illness, accidental injury, superannuation, investment risks, and estate planning.

**INS 400 Seminar in Insurance.** (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to insurance majors. May be retaken under different subtitles to a maximum of six hours.

**INS 474 Life Insurance and Estate Planning.** (3) A. Prerequisite: INS 374 or instructor approval. Role of life insurance, gifting and trusts in estate planning; considerations of developing an estate plan for the individual or the family.

**INS 476 Employee Benefit Planning.** (3) A. Prerequisite: INS 370 or instructor approval. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, sickness, disability and superannuation.

**INS 486 Insurance Company Operations.** (3) A. This course examines unique insurance functions including underwriting, reinsurance, ratemaking, claims adjusting, loss control and other insurer activities. It will prepare the student for an examination administered by the American Institute for CPCU. Capstone course.

**INS 490 Special Problems in Insurance.** (1-6) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study course proposal form approved by faculty supervisor and department chair prior to enrollment.

**INT—Industrial Technology**  
Dr. William E. Davis, Chair

**INT 101 Introduction to Manufacturing.** (3) I, II. A study of future trends and careers in manufacturing. A survey of the manufacturing enterprise. Nature, scope, and general functional characteristics of manufacturing technology.

**INT 192 Descriptive Geometry.** (3) II. Prerequisite: TEC 190. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems. 2 Lec/2 Lab.

**INT 195 Computer Aided Drafting.** (3) I, II. Prerequisite: TEC 190. A study of the computer aided drafting (CAD) software commands. Content will include basic fundamentals, drawing and editing commands, input/output methods, and industry application. 2 Lec/2 Lab.

**INT 201 Metallic Material Processes.** (3) I, II. Introduction to manufacturing processes involving metallic materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/2 Lab.

**INT 202 Quality Control.** (3) I, II. Prerequisite: STA 270 or QMB 200. Basic concepts of statistical quality control as applied to manufacturing operations. Topics include control charts, acceptance sampling, product reliability, quality costs, and quality planning.

**INT 238 Industrial Materials.** (3) I, II. Prerequisite: CHE 101 or CHE 111. Structure, composition, properties, and common industrial applications of metals, plastics, woods, composites, ceramics, and other materials. Use of common testing machines for standard materials testing. 2 Lec/2 Lab.

**INT 242 Furniture and Cabinet Construction.** (3) A. Prerequisite: INT 142 or TEC 141. Principles of furniture and cabinet construction, elements of structural design, advanced woodworking operations; care and sharpening of tools; related technical information; furniture and cabinet construction and finishing. 2 Lec/2 Lab.

**INT 301 Non-Metallic Material Processes.** (3) II. Prerequisite: INT 238. Introduction to manufacturing processes used to shape or form wood, plastic, and composite materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/2 Lab.

**INT 308 Methods Efficiency Measurement.** (3) I, II. Prerequisite: STA 270 or QMB 200. An examination of the human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film analysis,

effort rating, work measurement, direct time study, predetermined time study, and standards for pay and production.

**INT 310 Computer Communications in Industry.** (3) I. Prerequisites: ENG 102 and TEC 161. A conceptual approach to computer aided communication systems typically applied in industrial environments. Emphasis will be placed on utilizing computer technology to integrate text and graphics in the preparation of documents and presentation materials.

**INT 320 Manufacturing Simulation.** (3) A. Pre/Corequisites: INT 202 and 308. A laboratory course which examines basic plant layout configurations and material flow. A critical evaluation of the application of computers to control material flow plus computer simulation to analyze various options for shop floor scheduling and tracking. 2 Lec/2 Lab.

**INT 330 Dimensional Metrology.** (3) A. Prerequisites: MAT 108 and TEC 190. A study of geometric dimensioning and tolerancing as used in detail working drawings and the principles, standards, equipment, and techniques of precision electronic and mechanical measurement. 2 Lec/2 Lab.

**INT 332 Process Control and Auditing.** (3) A. Prerequisite: INT 202. An advanced study of the Statistical Process Control methods and procedures in industry, and auditing as a method of evaluating the documentation, implementation, and effectiveness of a Quality System.

**INT 336 Reliability and Sampling.** (3) A. Prerequisite: INT 202. An overview of reliability, testing, and sampling theories. Topics include component and system reliability, product safety, sampling plans, control charts, and standards.

**INT 352 Automated Technology Devices.** (3) A. Prerequisite: EET 251. The electronic hardware used in computer integrated manufacturing. Topics include PLCs, interfacing devices, sensors, data entry and bar coding, motors, ADCs, and DACs. 2 Lec/2 Lab.

**INT 371 Hydraulics and Pneumatics.** (3) II. Principles of the operation, construction, control, and application of hydraulic and pneumatic components and circuits. The study of control applications includes manual, mechanical, fluid, electrical, and computer controlled fluid circuits. 2 Lec/2 Lab.

**INT 382 Machine Tool Processes.** (3) A. Prerequisites: INT 201 and 238. A laboratory course involving turning, drilling, sawing, milling, grinding, and precision layout and measuring. Activities include the making of tools, the setup of an automatic turret lathe, and the programming of an NC milling machine. 2 Lec/2 Lab.

**INT 383 CAD/CAM Integration.** (3) A. Prerequisites: INT 201 and 238. The use of computer application software to link data bases created with computer aided design software to computer numerical controlled machine tools. 2 Lec/2 Lab.

**INT 390 Advanced Computer Aided Design.** (3) A. Prerequisite: INT 195. A study of advanced topics in three-dimensional computer aided design. The content will include advanced modeling and rendering. 2 Lec/2 Lab.

**INT 392 Computer Aided Machine Drawing.** (3) I. Prerequisite: INT 195. Computer generated detail and assembly drawings. Topics include threads and fasteners, gearing and cams, and dimensioning and tolerancing. 2 Lec/2 Lab.

**INT 397 Advanced Machine Drawing.** (3) A. Prerequisites: INT 390 and 392. Advanced machine drawing applications to include detail and assembly drawings, threads and fasteners, gearing and cams. Emphasis on shape description. 2 Lec/2 Lab.

**INT 406 Manufacturing Planning Systems.** (3) I, II. Prerequisite: INT 308. A senior project course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production, and quality.



**INT 408 Human Resource Development.** (3) **I, II.** Topics in human relations and production management. To be scheduled the semester before graduation.

**INT 499 Manufacturing Senior Project.** (3) **A.** Prerequisite: instructor approval. A synthesis experience involving the solution of realistic manufacturing problems. Emphasis is placed on teamwork and group effort. 2 Lec/2 Lab.

**INT 506 Total Quality Control.** (3) **A.** Prerequisite: INT 202. A study of total quality control as it relates to the integration of all functions and processes within an organization in order to achieve continuous improvement of the quality of goods and services.

**INT 530 Manufacturing Experiment Design.** (3) **A.** Prerequisites: INT 332 and 336. Principles and practices of efficient experiment design for industry. Topics include the philosophy of experiment design, comparison of various designs, hypothesis testing, and the analysis of data.

#### ITA—Italian

Dr. Jose L. Varela, Chair

**ITA 101 Conversational Italian I.** (3) **A.** Basic Italian pronunciation, conversation, and grammar taught in a cultural context. Laboratory work required. Gen. Ed. 03 or 04

**ITA 102 Conversational Italian II.** (3) **A.** Recommended: ITA 101 or equivalent. Laboratory work required. Continuation of ITA 101. Gen. Ed. 03 or 04.

#### ITP—Interpreter Training Program

Dr. Katherine Polmanteer, Acting Chair

**ITP 115 Heritage and Culture of the Deaf.** (3) **A.** Prerequisite: ASL 101, 102 or permission of instructor. Overview of the psychological, sociological, and cultural impacts of deafness upon children and adults. Explores how deafness can affect the individual's development in language, communication, cognition, and psychological-social-emotional growth. Examines historic relations between deaf and hearing, and compares deaf culture with that of the hearing world.

**ITP 215 Voice to Sign: Theory.** (3) **A.** Prerequisite: ASL 201, ITP 115 or instructor approval. A study of terminology, procedures and ethical considerations relevant to interpreting and transliterating. Topics include Registry of Interpreters for the Deaf, Code of Ethics application, structuring the interpreting environment, communication assessment, human relations skills, historic developments, and current trends.

**ITP 220 Preprocessing Interpreting Skills.** (3) **II.** Prerequisites: ASL 101, 102, 201. Practice of cognitive skills used in the process of interpreting. Skills include visualization, prediction, listening, memory, abstracting, closure, dual tasking, and lag time. Clinical hours required.

**ITP 230 Sign to Voice: Theory.** (3) **I.** Prerequisite: ASL 201, ITP 215 or instructor approval. Development of sign-to-voice interpreting and transliterating skills progressing from consecutive to simultaneous interpreting and transliterating in a variety of settings. Clinical hours required.

**ITP 310 Interpreting As Private Practice.** (1) **I.** Prerequisite: ITP 215, 220 or instructor approval. Analysis of the interpreter job market, working conditions, pay scales, business practices, resources, independent contracting, and freelance interpreting. Clinical hours required.

**ITP 315 Fingerspelling.** (3) **I, II.** This course is designed to supplement American Sign Language ASL 101 and ASL 102. The course will focus on aspects of receptive and expressive fingerspelling and numbers in ASL.

**ITP 320 Voice to Sign: Interpreting.** (3) **A.** Prerequisites: ITP 215, 220 and ASL 301 or permission of instructor. Development of voice-to-sign interpreting skills progressing from consecutive to simultaneous interpreting in a variety of settings. Clinical hours required.

**ITP 370 Settings and Interpreting Specialties.** (3) **II.** Prerequisite: ITP 215 or instructor permission. Large audience and team interpreting situations. Observation and modeling of interpreting services for oral deaf consumers and educational interpreters. Clinical hours required.

**ITP 390 Linguistics and ASL I.** (3) **II.** Prerequisites: ASL 101, 102, 201, 202 or instructor's permission. Overview of linguistics; phonology, morphology and language change in a variety of languages and American Sign Language. Analysis of ASL and spoken languages. Clinical hours required.

**ITP 420 Voice to Sign: Transliterating.** (3) **I.** Prerequisites: ASL 302, ITP 230 and 320. Development of voice-to-sign transliterating skill used in educational and community settings. Introduction of English sign systems. Clinical hours required.

**ITP 425 Sign-to-Voice: Interpreting.** (3) **I, II.** Prerequisite: ITP 230, ASL 301 or instructor approval. Training and practice in sign-to-voice interpreting in educational and community settings. Register and text analysis of ASL including sequencing, paraphrasing, and vocal production. Clinical hours required.

**ITP 430 Simulation of Interpreting Specializations.** (3) **I.** Prerequisite: ITP 370 or instructor's permission. Study of interpreting/transliterating in specific settings involving vocational rehabilitation, theatrical, deaf-blind, legal, medical, and mental health. Clinical hours required.

**ITP 470 Pre-practicum in Interpreting.** (3) **I.** Prerequisite: ITP 370 or instructor's permission. Observation and interpreting experience under the supervision of a mentor(s) in a variety of settings. Clinical hours required.

**ITP 480 Practicum in Interpreting.** (12) **I, II.** Prerequisite: ITP 370 and departmental approval. A structured full time practicum interpreting experience under the direct supervision of a mentor(s) in an educational, public or private setting. Students will interpret, participate in professional growth activities, keep professional journals and adhere to all guidelines and requirements in the ITP 480 student practicum handbook. Potential practicum sites may be local, state wide, regional or national

**ITP 490 Linguistics and ASL II.** (3) **I.** Prerequisite: ITP 390 or instructor's permission. Overview of syntax, discourse, and sociolinguistics. Analysis of American Sign Language and spoken languages. Clinical hours required.

#### JOU—Journalism

Dr. Renee Everett, Chair

**JOU 302 Newspaper Practicum.** (1-3) **I, II.** Supervised practical newspaper experience in a journalistic operation. May be taken to a maximum of three hours.

**JOU 305 Feature Writing.** (3) **I, II.** Prerequisites: ENG 101 and 102 (or 105). Writing and submitting articles for publication in newspapers and magazines. Involves studying requirements of periodicals to which sale is attempted and free-lancing methods in general.

**JOU 307 Editorial and Opinion Writing.** (3) **A.** Prerequisite: COM 201. Study of editorials, editorial columns, commentary pieces, reviews and criticism. Examines editorial boards, generating ideas for columns, and writing hook, theater and film criticism. Provides practice in writing opinion pieces for publication.

**JOU 310 News Editing.** (3) **I, II.** Prerequisite: COM 201. Understanding the editing process in newspapers and magazines. Examines content and style editing, headline writing and

publication design. Explores new technology as an editing tool. Provides both theory and practice in editing.

**JOU 325 Photojournalism.** (3) **I, II.** Reporting the news as a photojournalist. Stresses recognition, development and creation of news photographs and the skills of the photo editor. Provides experience in shooting, developing, printing and editing. Uses both conventional methods and digital technology.

**JOU 349 Applied Learning in Journalism.** (1-8) **A.** Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each hour of academic credit. May not satisfy major or minor requirements within the department.

**JOU 349 A-H Cooperative Study: Journalism.** (1-8) **A.** Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each hour of academic credit. May not satisfy major or minor requirements within the department.

**JOU 401 Public Affairs Reporting.** (3) **A.** Prerequisite: COM 201. Writing and reporting about national, state, and local government and specialized fields of labor, science, research and business. Includes writing and reporting for wire services and daily newspapers.

**JOU 410 Advanced Photojournalism.** (3) **A.** Prerequisite: JOU 325. Study of newspaper and magazine photojournalism with emphasis on the photographic essay, the role of the photojournalist and the photo editor, and digital technologies. Provides experience in black and white and color photography.

**JOU 415 Advanced Editing.** (3) **A.** Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

**JOU 425 Community Journalism.** (3) **A.** Prerequisites: COM 201 and JOU 310. Writing and reporting for community newspapers. Includes investigating local government and local sources of information and studying the role and performance of the community newspaper.

**JOU 450 Newspaper and Magazine Management.** (3) **A.** Prerequisites: COM 201 and JOU 310. Problems of organization, finance, production, and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase, and policy formulation.

**JOU 480 Writing and Selling Nonfiction.** (3) **A.** Prerequisites: ENG 101 and 102 or 105 (or HON 105). How to write and sell nonfiction articles for magazines. Credit will not be awarded to students who have credit for ENG 500/700 taught as "Writing for the Popular Media."

#### JPN—Japanese

Dr. Jose L. Varela, Chair

**JPN 101 Conversational Japanese I.** (3) **I, II.** An introduction to the grammar and structure of Japanese taught in cultural context. Practice in pronunciation, reading, and writing systems with an emphasis on conversation. Gen. Ed. 03 or 04.

**JPN 102 Conversational Japanese II.** (3) **A.** Recommended: JPN 101 or equivalent proficiency. Continuation of JPN 101. Emphasis on conversation. Students entering JPN 102 by referral or placement will receive three hours credit for JPN 101 if they make an "A" in 102. Laboratory work required. Gen. Ed. 03 or 04.

**JPN 201 Intermediate Japanese I. (3) A.** Recommended: JPN 102 or equivalent proficiency. Continuation of JPN 102. Practice in writing kanji, reading, and speaking on cultural topics for diverse social settings requiring increasingly complex structural patterns. Students entering JPN 201 by referral or placement receive six hours credit for JPN 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

**JPN 202 Intermediate Japanese II. (3) A.** Recommended: JPN 201 or equivalent proficiency. Continuation of JPN 201 to strengthen student's ability to interact in more diverse social settings requiring increasingly complex structural patterns. Students entering JPN 202 by referral or placement receive nine hours credit for JPN 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed. 03, 04, 07, or 08.

**JPN 295 Independent Work in Japanese. (1-3) A.** Prerequisite: departmental approval. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**JPN 495 Independent Work in Japanese. (1-3) A.** Prerequisite: departmental approval. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

#### **JSO—Justice & Safety Orientation** **Dr. Allen Ault, Dean**

**JSO 100 Academic Orientation. (1) I.** An orientation to university academic life and career planning and preparation. Topics include University policies and procedures, program requirements, career opportunities and introductory study skills. Open to all students during their first two semesters of enrollment at ECU; beyond that open to students with fewer than 30 semester hours earned.

#### **LAS—Paralegal** **Dr. James McCord, Director**

**LAS 210 Introduction to Law. (3) I, II.** General study of the purpose, function, and history of law; law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

**LAS 220 Legal Research and Writing I. (3) I, II.** Prerequisite: LAS 210 or director approval. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

**LAS 300 Legal Research and Writing II. (3) I, II.** Prerequisite: LAS 220. The sources and techniques of advanced legal research and writing, the use of computer-assisted legal research methods and their application.

**LAS 304 Your Legal Rights, Remedies, and Responsibilities. (3) A.** Practical law to assist the individual in anticipating and dealing with typical legal needs. Topics will include landlord-tenant problems, consumer rights, personal liability, wills, arrest, divorce, and others. Does not count toward the paralegal major requirements.

**LAS 305 Special Topics in the Law. (1-3) A.** Prerequisite: director approval. A course offered periodically covering topics and issues of current or special interest concerning the law. May be retaken to a maximum of six hours provided topics vary.

**LAS 320 Civil Law and Liability. (3) I, II.** Prerequisite: LAS 210 or director approval. Study of legal principles and paralegal practice in torts, contracts, Uniform Commercial Code, collections, employee benefits and insurance.

**LAS 325 Real Estate/Bankruptcy Practice. (3) I, II.** Prerequisite: LAS 220. Paralegal practice and procedure for general law office; real estate

transactions and documents, title searches, title insurance, loan closings, leases, wills, affidavits of descent, foreclosures, and bankruptcy.

**LAS 330 Family Law Practice. (3) A.** Prerequisite: LAS 220. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

**LAS 340 Criminal Law Practice and Procedure. (3) A.** Prerequisite: LAS 220 or director approval. An introduction to criminal law and procedure; criminal law forms and documents, and preparation for criminal litigation using the systems approach.

**LAS 350 Litigation Practice and Procedure. (3) A.** Prerequisites: LAS 220 and 320 or director approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pretrial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

**LAS 360 Probate Practice and Procedure. (3) I, II.** Prerequisite: LAS 220 or director approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

**LAS 365 Trial and Era: A Legal Heritage. (3) A.** A study of famous and significant court trials and the dynamic and dramatic way in which the trial brings together the legal philosophies and social attitudes of the times. Does not count toward the paralegal major requirements.

**LAS 370 Corporations and Business Organization Practice. (3) A.** Prerequisite: LAS 220. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales and terminations.

**LAS 380 Administrative Agency Practice. (3) A.** Prerequisite: LAS 220. Practical paralegal skill development in administrative law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance; case processing; informal and formal administrative advocacy, emphasizing the systems approach.

**LAS 385 Legal Administration and Computer Applications. (3) I, II.** Prerequisites: LAS 220 and CIS 212 or CSC 104 or equivalent. The study of law office administration and the utilization of specific law office computer applications.

**LAS 399 Paralegal Internship. (4) I, II.** Prerequisites: completion of 18 hours of major (LAS) courses including LAS 300 or director approval (prior written application is required).

**LAS 410 Paralegal Seminar. (3) A.** Prerequisite: completion of 18 hours of major (LAS) courses or director approval. Professional ethics, analysis of the internship experience, transition to the law office and current issues facing the paralegal profession.

**LAS 460 Estate Planning and Procedure. (3) A.** Prerequisite: LAS 360 or director approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

**LAS 490 Independent Study of Law. (1-3) A.** Prerequisite: director approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

**LAS 535 Municipal Law. (3) A.** Prerequisite: LAS 220 or director approval. Practical legal problems confronting municipal officials including: government and public official liability,

ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cutback management, elections, and other issues.

#### **LAT—Latin** **Dr. Jose L. Varela, Chair**

**LAT 101 Beginning Latin I. (3) A.** Study of basic inflections, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to cultural topics and to the relationship of Latin to English. Gen. Ed. 03 or 04.

**LAT 102 Beginning Latin II. (3) A.** Recommended: one unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition on cultural topics included. Students entering LAT 102 by referral or placement receive three hours credit for LAT 101 if they make an "A" in 102. Gen. Ed. 03 or 04

#### **LIB—Library Science** **Dr. Michael A. Martin, Chair**

**LIB 107 Topics in Library Science: \_\_\_\_.** (1-3) A. Prerequisite: departmental approval. A course addressing topics of special concern for librarians. May be retaken to a maximum of 9 hours. Not applicable to school librarian certification programs.

**LIB 301 Children's Literature and Related Materials. (3) I, II.** Prerequisites: ENG 101 and 102 (or 105), EDF 103, EDF 203. Survey course designed to acquaint P-5 teachers with print and non-print media for the school curriculum and with techniques to encourage lifelong readers.

**LIB 501 Literature and Related Materials for Transcends. (3) A.** A course designed to help teachers and librarians extend their knowledge of authors, literature, and related materials for students 10-14 years of age. Literary criticism and relating literature to the interests and needs of students are emphasized.

**LIB 569 Instructional Media and Technology. (3) I, II.** A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology.

#### **MAR—Marine Sciences** **Dr. William Martin, Coordinator**

(These courses are taught in summer semesters at Gulf Coast Research Laboratory, Ocean Springs, MS.)

**MAR 300 Marine Science I: Oceanography. (3) A.** Prerequisites: college algebra, eight hours of chemistry and eight hours biological sciences. Corequisite: MAR 300L. For upper division science majors. An introduction to biological, chemical, geological, and physical marine sciences.

**MAR 300L Marine Science I: Oceanography Laboratory. (2) A.** Corequisite: MAR 300

**MAR 301 Marine Science II: Marine Biology. (3) A.** Prerequisite: eight hours of biology. Corequisite: MAR 301L. A general introduction to marine biology with emphasis on local fauna and flora.

**MAR 301L Marine Science II: Marine Biology Laboratory. (2) A.** Corequisite: MAR 301

**MAR 503 Marine Invertebrate Zoology. (3) A.** Prerequisite: sixteen hours of biology. Corequisite: MAR 503L. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

**MAR 503L Marine Invertebrate Zoology Laboratory. (3) A.** Corequisite: MAR 503

**MAR 504 Parasites of Marine Animals. (3) A.** Prerequisite: instructor approval. Corequisite: MAR 504L. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships



**MAR 504L Parasites of Marine Animals Laboratory.** (3) A. Corequisite: MAR 504.

**MAR 505 Marine Ecology.** (3) A. Prerequisite: sixteen hours of biological sciences. Corequisite: MAR 505L. The relationship of marine organisms to their environment.

**MAR 505L Marine Ecology Laboratory.** (2) A. Corequisite: MAR 505.

**MAR 506 Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches.** (2) A. Prerequisite: instructor approval. Corequisite: MAR 506L. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals.

**MAR 506L Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches Laboratory.** (3) A. Corequisite: MAR 506.

**MAR 507 Marine Aquaculture.** (3) A. Corequisite: MAR 507L. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

**MAR 507L Marine Aquaculture Laboratory.** (3) A. Corequisite: MAR 507.

**MAR 508 Marine Ichthyology.** (3) A. Prerequisite: sixteen hours of biology. Corequisite: MAR 508L. Marine fishes including evolutionary relationships, morphology, physiology, and zoogeography.

**MAR 508L Marine Ichthyology Laboratory.** (3) A. Corequisite: MAR 508.

**MAR 509 Marine Microbiology.** (3) A. Prerequisite: general microbiology. Corequisite: MAR 509L. An introduction to the role of microorganisms in overall ecology of the oceans and estuaries.

**MAR 509L Marine Microbiology Laboratory.** (2) A. Corequisite: MAR 509.

**MAR 510 Marine Fisheries Management.** (2) A. Prerequisite: instructor approval. Corequisite: MAR 510L. An overview of practical marine fishery management problems.

**MAR 510L Marine Fisheries Management Laboratory.** (2) A. Corequisite: MAR 510.

**MAR 520 Marine Phycology.** (2) A. Prerequisite: ten hours of biology including botany. Corequisite: MAR 520L. A survey, based upon local examples, of the principal groups of marine algae.

**MAR 520L Marine Phycology Laboratory.** (2) A. Corequisite: MAR 520.

**MAR 521 Coastal Vegetation.** (3) A. Prerequisite: ten hours of biology, including general botany. Corequisite: MAR 521L. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

**MAR 521L Coastal Vegetation Laboratory.** (2) A. Corequisite: MAR 521.

**MAR 522 Salt Marsh Plant Ecology.** (2) A. Corequisite: MAR 522L. The botanical aspects of local marshes; includes plant identification, composition, and structure.

**MAR 522L Salt Marsh Plant Ecology Laboratory.** (2) A. Corequisite: MAR 522.

**MAR 530 Comparative Histology of Marine Organisms.** (3) A. Prerequisite: instructor approval. Corequisite: MAR 530L. Histology of marine organisms, including tissue processing techniques.

**MAR 530L Comparative Histology of Marine Organisms Laboratory.** (3) A. Corequisite: MAR 530.

**MAR 541 Marine Chemistry.** (3) A. Prerequisite: instructor approval. Corequisite: MAR 541L. Sea water chemistry and cycles and their impact on the marine environment.

**MAR 541L Marine Chemistry Laboratory.** (1) A. Corequisite: MAR 541.

**MAR 543 Environmental Estuarine Chemistry.** (3) I. Prerequisites: Sixteen semester hours of chemistry; three to six hours of general biology and geology or consent of the instructor. Corequisite: MAR 543L/743L. The study of sources, reactions, transport, effects and fate of chemicals occurring in aquatic environments.

**MAR 543L Environmental Estuarine Chemistry Laboratory.** (1) A. Corequisite: MAR 543.

**MAR 557 Marine Science for Teachers.** (3) A. Prerequisite: instructor approval. Emphasis will be placed on measurements and analysis of the marine habitat and ecological relationships.

**MAR 558 Marine Science: Elementary Teachers.** (3) A. Prerequisite: instructor approval. Corequisite: MAR 558L. Designed to acquaint teachers with marine science concepts.

**MAR 558L Marine Science: Elementary Teachers Laboratory.** (0) A. Corequisite: MAR 558.

**MAR 559 Coastal Ecology For Teachers.** (3) A. Prerequisite: instructor approval. Corequisite: MAR 559L. Designed to provide teachers with a background in basic coastal ecology.

**MAR 559L Coastal Ecology For Teachers Laboratory.** (1) A. Prerequisite: instructor approval. Corequisite: MAR 559.

**MAR 582 Coastal Marine Geology.** (2) A. Prerequisite: six hours in geology. Inshore and nearshore geological processes, sedimentation patterns, and land forms.

**MAR 582L Coastal Marine Geology Laboratory.** (1) A. Corequisite: MAR 582.

**MAR 590 Special Problems in Marine Science.** (1-6) A. Prerequisite: instructor approval. Independent research.

**MAR 591 Special Topics in Marine Science.** (1-6) A. Prerequisite: instructor approval. Directed study in area for which no formal courses are offered.

**MAS—Medical Assisting Technology**  
**Dr. Rebecca Newsome, Coordinator**

**MAS 100 Introduction to Medical Assisting.** (3) I, II. Medical assisting administrative and clinical responsibilities, human relations, communication skills, professional ethics, and law in health care.

**MAS 221 Medical Assisting Laboratory Procedures I.** (4) I, II, A. Prerequisite: minimum GPA of 2.0. Clinical procedures emphasizing quality control, specimen collection, urinalysis, and hematology. 2 Lec/4 Lab.

**MAS 222 Medical Assisting Techniques I.** (3) I, II, A. Prerequisite: minimum GPA of 2.0. Introduction to clinical medical assisting skills performed in ambulatory medical settings with emphasis on asepsis, vital signs, assisting with medical history and physical examinations, nutrition, and ambulatory patient care.

**MAS 300 Maternal-Child Health Care.** (1) A. Survey of health issues and care of women and children, including prenatal care, women's health, and care of children in ambulatory pediatric health care settings.

**MAS 320 Medical Office Pharmacology.** (3) I, A. Prerequisite or Corequisite: MAS 321 or instructor approval. Pharmacologic principles for medical assistants practicing in ambulatory health care settings; with emphasis on immunizations, legal issues of medication administration and pharmacologic principles of commonly used medications in ambulatory health care settings.

**MAS 321 Medical Assisting Laboratory Procedures II.** (4) I, II, A. Prerequisite: MAS 221. Level II clinical skills in urinalysis, hematology, diagnostic and screening tests, clinical chemistry, microbiology, and principles of radiology. 2 Lec/4 Lab.

**MAS 322 Medical Assisting Techniques II.** (5) I, II, A. Prerequisite: MAS 222. Clinical medical assisting skills performed in ambulatory medical settings with emphasis on care of patients based on developmental needs or pathophysiological conditions, including ambulatory surgical care.

**MAS 355 Medical Office Claims Procedures.** (3) I, II, A. Prerequisite: CHS 200, or instructor approval. The student will explore proper use of CPT, HCPCS, and ICD-9-CM coding systems as

they apply to physician claim submission and accurate reimbursement from third-party payers.

**MAS 360 Medical Office Administration.** (4) I, II, A. Prerequisite or Corequisite: CIS 212 or CSC 104. Knowledge and skills in medical office management which include financial management, computer skills, patient records, human resource management, legal and ethical issues, and total quality management.

**MAS 390 Medical Office Externship.** (5) II, A. Prerequisites: MAS 100, 221, 222, 320, 321, 322, 355, 360. Supervised medical office practice in clinical agencies, including a comprehensive review of medical assisting practice.

**MAT—Mathematics**  
**Dr. Patrick Costello, Acting Chair**

**MAT 090 Prealgebra.** (3) Institutional Credit. I, II. Real number system, ratio and proportion, order of operations, measurement, exponents and radicals, probability and statistics, graphs, a strong strand of geometry, and basic algebraic concepts such as solving linear equations and understanding variables and algebraic expressions. May be taken by referral only. 3 Lec/2 Lab-Rec.

**MAT 095 Developmental Algebra I.** (3) Institutional Credit. I, II. Prerequisite: MAT 090 with a course grade of at least "C-" or equivalent. Real number system, algebraic expressions, integer exponents, linear and quadratic equations, inequalities, polynomials, graphing linear and quadratic functions, factoring, systems of equations, radical expressions and basic descriptive geometry. May be taken by referral only. 3 Lec/2 Lab-Rec.

**MAT 098 Algebra II.** (3) Institutional Credit. I, II. Prerequisite: Completion of all developmental mathematics requirements. Real number system, algebraic expressions and sentences, linear, quadratic, polynomial, rational, inequalities, operations with exponents, systems of equations, relations and functions, graphing linear and quadratic functions. MAT 098 is the designated course to prepare for MAT 107, and may also be used to meet the PCC mathematics deficiency. MAT 098 IS NOT REQUIRED OF STUDENTS NEEDING TO MEET DEVELOPMENTAL MATHEMATICS REQUIREMENTS

**MAT 100 Graphing Calculator I.** (1) I, II. Use of a graphing calculator to evaluate arithmetic expressions; graph and solve linear, quadratic, polynomial, rational, exponential and logarithmic equations; solve and graph systems of linear and nonlinear equations.

**MAT 101 Graphing Calculator II.** (1) II. Prerequisite: MAT 100 or departmental approval. Use of graphing calculator to graph and solve trigonometric equations; solve problems involving calculus, statistics, matrices; and vectors, illustrate other features of the graphing calculator, such as the conversion and the draw feature.

**MAT 105 Mathematics with Applications.** (3) I, II. Prerequisite: completion of all University developmental requirements. This course is designed to strengthen computational skills, mathematical reasoning, problem-solving skills, and mathematical reading/communication skills while focusing on real-world problems. The mathematical topics may include the mathematics of finance, statistics, geometry, combinatorics, mathematical modeling, and algorithms. Use of calculators. Gen. Ed. 03 or 04.

**MAT 106 Applied Finite Mathematics.** (3) I, II. Prerequisite: completion of all University developmental requirements. The introduction to the application of mathematics to real-world problems. Topics are from various branches of discrete mathematics such as graph theory and game theory. Probability, geometry, and problems from the social sciences. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.



**MAT 107 College Algebra. (3) I, II.**

Prerequisite: MAT 098 with a minimum grade of "C-" OR a minimum score of 22 on the mathematics portion of the ACT OR a passing score on the EKU MAT 107 Prerequisite Skills Test. Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions, systems of equations, matrices. Use of graphing calculators. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

**MAT 108 Trigonometry. (3) I, II.**

Prerequisite: MAT 107 with a minimum grade of "C-" OR a minimum score of 22 on the mathematics portion of the ACT. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Use of graphing calculators. Credit will not be awarded to students who have credit for MAT 109.

**MAT 109 Precalculus Mathematics. (5) I, II.**

Prerequisite: MAT 107 with a minimum grade of "C-" OR a minimum score of 23 on the Mathematics portion of the ACT. Polynomial, rational, exponential, logarithmic, and trigonometric functions and inverses. Sequences and series, systems of linear and nonlinear equations and inequalities, the complex number system, vectors, the binomial theorem, mathematical induction, and cone sections. Use of graphing calculators. Three hours of credit will not be awarded to students who have completed MAT 108. Three hours of credit count toward Gen. Ed. 03 or 04.

**MAT 115 Introduction to Mathematica. (1)**

**I, II.** Prerequisite or Corequisite: MAT 108. Use of *Mathematica*. Numeric, algebraic, and symbolic capabilities, two dimensional and three dimensional graphics with animation, decisions, looping, and list manipulation.

**MAT 117 MathExcel Lab for Calculus I**

**(1-2) I, II.** Corequisite: admission to MathExcel Program and enrollment in Calculus I. This lab is to accompany a regular lecture class in Calculus I. 4 Lab.

**MAT 124 Calculus I. (4) I, II.**

Prerequisite: MAT 109 with minimum grade of "C-" OR a minimum score of 25 on the mathematics portion of the ACT. Functions, limits and continuity, derivatives and applications, integration, and introduction to and use of the computer package *Mathematica* or other appropriate technology. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H. Gen. Ed. 03 or 04.

**MAT 124H Honors Calculus I. (4) A.**

Prerequisites: score of 27 on the ACT mathematics test and the equivalent of MAT 109; or departmental approval. Functions, limits and continuity, derivatives and applications, integration, and introduction to and use of the computer package *Mathematica* or other appropriate technology. The material is treated in greater depth and with more rigor than in MAT 124. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H or MAT 124. Gen. Ed. 03 or 04.

**MAT 201 Mathematical Concepts for**

**Middle and Elementary School Teachers I. (3) I, II.** Prerequisites: MAT 105 or higher with a minimum grade of "C-" (2.0); a score accepted by the Kentucky Education Professional Standards on one of the approved tests: ACT, PPST, SAT, GRE, MAT, and a passing score on a Mastery Exam. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, rational numbers, decimals and real numbers, numeration, and elementary number theory.

**MAT 202 Mathematical Concepts for**

**Middle and Elementary School Teachers II. (3) I, II.** Prerequisite: MAT 201 with a minimum grade of "C-" (2.0). Concepts stressed over manipulation. Geometry, measurement, metric system, probability and basic statistics.

**MAT 203 Geometry for Middle and**

**Elementary School Teachers. (3) I, II.** Prerequisites: admission to a certification program in elementary or middle school and MAT 201 and 202 with a combined grade point of 2.5 in the two courses. Angles and their measurement, right triangle trigonometry, perpendicular lines, congruent triangles, circles, arcs, and angles, constructions and loci, area and volume, similarity, graphing, selected topics from analytic geometry.

**MAT 205 Problem Solving with Logo. (3) I,**

**II.** Prerequisite: MAT 201 with a minimum grade of "C-" (2.0). Problem solving with graphics and lists using modularity, iteration, recursion, and conditional statements. Credit will not be awarded for both MAT 205 and CSC 175.

**MAT 211 Calculus with Applications for**

**Business and Economics. (3) A.** Prerequisite: MAT 107 with a minimum grade of "C-" OR MAT 108 with a minimum grade of "C-" or a minimum score of 23 on the mathematics portion of the ACT. Functions and graphs, differentiation, marginal costs, revenue and profit, integration, exponential and logarithmic functions, other applications. Credit will not be awarded to students who have credit for MAT 124 or MAT 124H or MAT 261. Gen. Ed. 03 or 04.

**MAT 214 Linear Algebra and Matrices. (3)**

**I, II.** Prerequisite: MAT 124 (or MAT 124H) with a minimum grade of "C-". Real and complex vector spaces, linear transformations, matrix theory, with applications, through the introduction of eigenvalues and eigenvectors, determinants, inner product spaces, the use of technology.

**MAT 218 MathExcel Lab for Calculus II.**

**(1-2) I, II.** Corequisite: admission to MathExcel program and enrollment in Calculus II. This lab is to accompany a regular lecture class in Calculus II. 4 Lab.

**MAT 219 MathExcel Lab for Calculus III.**

**(1-2) I, II.** Corequisite: admission to MathExcel program and enrollment in Calculus III. This lab is to accompany a regular lecture class in Calculus III. No more than four credit hours of MAT 117, MAT 218 and MAT 219 will count toward the baccalaureate degree. 4 Lab.

**MAT 224 Calculus II. (4) I, II.**

Prerequisite: MAT 124 (or MAT 124H) with minimum grade of "C-". Fundamental integration techniques, numerical integration, applications of integration, improper integrals, differential equations, infinite series, polar and parametric equations, and use of *Mathematica* or other appropriate technology. Credit will not be awarded to students who have credit for MAT 122 or MAT 122H. Gen. Ed. 03 or 04.

**MAT 224H Honors Calculus II. (4) A.**

Prerequisite: MAT 124H with a minimum grade of "C-" (2.0). Fundamental integration techniques, numerical integration, applications of integration, improper integrals, differential equations, infinite series, polar and parametric equations, and use of *Mathematica* or other appropriate technology. The material is treated in greater depth and with more rigor than in MAT 224. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 122, MAT 122H, or MAT 224. Gen. Ed. 03 or 04.

**MAT 225 Calculus III. (4) I, II.**

Prerequisite: MAT 224 or (MAT 224H) with a minimum grade of "C-". Functions of several variables, limits and continuity, partial derivatives, multiple integrals, vector calculus including Green's, Divergence, and Stoke's theorems, cylindrical and spherical coordinates and use of *Mathematica*. Credit will not be awarded to students who have credit for MAT 225H.

**MAT 225H Honors Calculus III. (4) II.**

Prerequisite: MAT 224H with minimum grade of "C-". Functions of several variables, limits and continuity, partial derivatives, multiple integrals, vector calculus including Green's, Divergence, and Stoke's theorems,

cylindrical and spherical coordinates, and use of *Mathematica*. The material is treated in greater depth and with more rigor than in MAT 225. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 225.

**MAT 261 Calculus with Applications for**

**Science I. (3) A.** Prerequisite: MAT 107 with a minimum grade of "C-" OR MAT 108 a minimum grade of "C-" OR a minimum score of 23 on the mathematics portion of the ACT. Functions and graphs, differentiation, integration, and exponential and logarithmic functions. Credit will not be awarded to students who have credit for MAT 121 or MAT 124 or MAT 124H or MAT 211. Gen. Ed. 03 or 04.

**MAT 262 Calculus with Applications for**

**Science II. (3) A.** Prerequisite: MAT 261 or 211. Integral calculus with applications, introduction to differential equations, functions of several variables. Credit will not be awarded to students who have credit for MAT 122 or MAT 224 or MAT 224H.

**MAT 280 Actuarial Mathematics. (1) A.**

Prerequisite: MAT 214 and MAT 225 or MAT 225H. Applications-oriented examination of several topics from analytic geometry, calculus, and linear algebra.

**MAT 285 Discrete Mathematics. (3) I, II.**

Prerequisites: MAT 214, MAT 224, STA 270 with minimum grades of "C-" and at least 2.5 GPA in all mathematics courses. Counting principles, permutations, combinations, recurrence relations, graphs, representations of graphs as matrices, trees, networks, difference equations, and linear programming.

**MAT 301 Transition to Advanced**

**Mathematics. (3) A.** Prerequisites: MAT 214, 224 or 224H with minimum grades of "C-" and a grade point average of at least 2.5 in MAT 124, 214, and 224. Logic, proof techniques, set theory, relations, functions, cardinality, introduction to advanced mathematics.

**MAT 303 Mathematical Models and**

**Applications. (3) A.** Prerequisites: MAT 106, 203, and STA 270. Present day and historical applications of mathematics to problems in life, behavioral, and managerial sciences as well as problems in mathematics. Credit does not count toward B.S. in mathematics nor mathematics teaching degrees nor the mathematics minor.

**MAT 308 Modern Algebra I. (3) I, II.**

Prerequisite: MAT 301 with a minimum grade of "C-" (2.0). Groups, cyclic and permutation groups, homomorphisms, subgroups and factor groups. Fundamental Theorem of Finite Abelian Groups, rings, fields, integral domains, and ideals.

**MAT 315 Introduction to Analysis. (3) I, II.**

Prerequisite: MAT 301, 225 or MAT 225H with a minimum grade of "C-". Real number system, sets and functions, limits, continuity, uniform continuity, Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

**MAT 334 Modern College Geometry I. (3)**

**A.** Prerequisite or Corequisite: MAT 301 with a minimum grade of "C-". Euclid's parallel postulate, axiom systems, finite geometries.

**MAT 349 Applied Learning in**

**Mathematics. (1-8) I, II; (1-6) SUMMER ONLY.** Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

**MAT 349 A-II Cooperative Study:**

**Mathematics. (1-8) I, II; (1-6) SUMMER ONLY.**

Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

**MAT 353 Differential Equations. (3) A.** Prerequisite: MAT 224 or 224H with a minimum grade of "C." Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, solution in series, total differential equations, qualitative methods, systems of linear differential equations, the computer algebra systems.

**MAT 380 Mathematics in a Historical Setting. (3) A.** Prerequisite or Corequisite: MAT 301 or instructor approval. The history of mathematics from ancient beginnings until modern times is studied through problems and through the lives and times of mathematicians.

**MAT 408 Modern Algebra II. (3) A.** Prerequisite: MAT 308 with a minimum grade of "C." Ring homomorphisms, polynomial rings, unique factorization domains, principal ideal domains, finite fields, field extensions, algebraic extensions, Galois theory, and geometric construction.

**MAT 415 Analysis. (3) A.** Prerequisite: MAT 315 with a minimum grade of "C." The Riemann integral, the Lebesgue integral, metric spaces, differentiation, sequences and series of functions, allied topics.

**MAT 475 Math Teaching Senior Seminar. (3) I.** Prerequisites: at least 2.5 GPA in major and supporting course requirements for MAT teaching major and admission to teacher education program. Emphasis on the interrelationship between mathematical topics. Problem solving with technology. Oral presentation on a topic selected jointly with the instructor.

**MAT 480 Seminar in: \_\_\_\_\_. (1-3) A.** Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. May be retaken to a maximum of nine hours, provided the topics are different.

**MAT 495 Independent Work. (1-3) A.** Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to maximum of six hours.

**MAT 501 Applications of Mathematics for P-9 Teachers. (3) A.** Prerequisite: MAT 303. Topics in the application of mathematical models appropriate for teachers of grades P-9. Credit does not apply toward B.S. or B.S. (teaching) degree requirements for programs offered within this department.

**MAT 502 Geometry with Technology for P-9 Teachers. (3) A.** Prerequisites: MAT 203, 205. Topics in geometry appropriate for teachers of grades K-8. Credit does not apply toward neither B.S. or B.S. (teaching) degree requirements for programs offered within this department.

**MAT 505 Foundations of Mathematics. (3) A.** Prerequisite: MAT 308 with a minimum grade of "C." The nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

**MAT 506 Number Theory. (3) A.** Prerequisite: MAT 301 with a minimum grade of at least "C." Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory.

**MAT 507 Seminar in Mathematics: \_\_\_\_\_. (1-3) A.** Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on course content.

**MAT 525 Vector Analysis with Applications. (3) A.** Prerequisite: MAT 225 or 225H with a minimum grade of "C." Algebra and geometry of vectors; vector functions of a single variable; line, surface, and volume integrals; Divergence Theorem, Stokes' Theorem, Green's Theorem; generalized

orthogonal coordinates; Fourier Series; solutions to boundary value problems.

**MAT 535 Modern College Geometry II. (3) A.** Prerequisite: MAT 334 with a minimum grade of "C." The major influence of the axioms of parallelism or geometry, development from axioms and models. Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

**MAT 540 Introductory Applied Mathematics. (3) A.** Prerequisite: MAT 353 with a minimum grade of "C." Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series.

**MAT 550 Applications of Complex Analysis. (3) A.** Prerequisite: MAT 225 or 225H or 353 with a minimum grade of "C." Continuity, differentiation, integration, series, residues, and applications to the evaluation of real integrals. Applications of conformal mappings to boundary value problems in heat, electrostatic potential, and fluid flow. Emphasis throughout on computational techniques and applications.

**MAT 555 Graph Theory. (3) A.** Prerequisite: MAT 308 or CSC 320 with a minimum grade "C." Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching, and coloring.

**MAT 560 Point Set Topology. (3) A.** Prerequisite: MAT 301 with a minimum grade of "C." An introduction to topology with emphasis on Euclidean and other metric spaces. Mappings, connectivity, compactness, formation of new spaces, relationship to analysis.

#### **MGT—Management Dr. Norb Elbert, Chair**

**MGT 300 Principles of Management. (3) I, II.** Prerequisites: ACC 201, 202, and ECO 230 with a grade of "C-" or better in each course; junior standing (a minimum of 60 hours) with an overall minimum 2.0 GPA. Management principles with emphasis on organization theory and behavior, human resources and diversity, communications, production/operations management and quality issues, business ethics, development of management thought, management in the global arena, and management careers.

**MGT 301 Principles of Management (NB). (3) A.** Prerequisite: junior standing (at least 60 hours) with an overall GPA 2.0. Not for students majoring or minoring in business. Management principles with emphasis on organization theory and behavior, human resources and diversity, communications, production/operations management and quality issues, business ethics, development of management thought, management in the global arena, and management careers. Credit will not be awarded to students who have completed MGT 300.

**MGT 320 Human Resource Management. (3) I, II.** Prerequisite: MGT 300 or MGT 301. Survey of principles and practices in the areas of human resource planning, job analysis, recruitment, selection, training and development, performance appraisal, compensation, labor relations, safety and health, equal employment opportunity, and personnel research.

**MGT 330 Small Business Management. (3) A.** Prerequisite: MGT 300 or MGT 301. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.

**MGT 340 Management Science. (3) I, II.** Prerequisites: QMB 200, MGT 300 or MGT 301. Business decision making approaches and quantitative techniques with an emphasis on the formulation and application of models and the practical solution methods available.

**MGT 349 Applied Learning in Management. (1-3) A.** Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work

experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**MGT 349 A-H Cooperative Study: Management. (1-3) A.** Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**MGT 370 Operations Management. (3) I, II.** Prerequisite: MGT 300. Practical approaches for improving productivity of operations using methods designed for quality management, sales forecasting, facility layout and location, human resource planning and scheduling, and inventory control.

**MGT 400 Organization Theory. (3) I, II.** Prerequisite: MGT 300 or MGT 301. Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.

**MGT 406 Continuous Improvement in Organizations. (3) A.** Prerequisites: MGT 300 and QMB 200 or MGT 301. Advanced methods and techniques used to analyze change, monitor, and analyze organizational performances, control resources, and otherwise direct the management of complex organizations.

**MGT 410 Labor Relations. (3) I.** Prerequisite: MGT 320. Study of labor-management relationships including union organization campaigns, contract negotiations, grievance and arbitration procedures, labor-management cooperation, and union-free environments.

**MGT 425 Compensation Management. (3) II.** Prerequisite: MGT 320. Advanced study of the human resource function of employee compensation. Topics include job analysis and evaluation, compensation surveys, pay structures, budgeting, pay for performance systems, benefits administration, and federal regulation of compensation management.

**MGT 430 International Management. (3) A.** Prerequisite: MGT 300 or MGT 301. The study of management of international organizations with emphasis on techniques, processes and structures. Topics include organizational culture, leadership, ethics, decision-making, and human resource management.

**MGT 440 Human Resource Development. (3) I.** Prerequisite: MGT 320. Advanced study of human resource management functions aimed directly at enhancing organizational effectiveness. Topics include training needs analysis; training program design, implementation, and evaluation; performance management and appraisal; and costing human resource development programs.

**MGT 445 Employee Recruitment and Selection. (3) II.** Prerequisite: MGT 320. Advanced study of the human resource function of staffing. Topics include: recruitment, the design and implementation of effective selection procedures which comply with federal/state requirements; analysis and reporting of employee data.

**MGT 450 Management Seminar. (1-3) A.** May be retaken under different sub-topics to a cumulative maximum of nine hours. Selected topics in contemporary management literature.

**MGT 465 Innovation and Entrepreneurship. (3) A.** Prerequisite: MGT 300 or MGT 301. An emphasis on the role of innovation and entrepreneurship in the creation and management of new ideas, concepts, techniques, processes, methods, ventures, and knowledge.

**MGT 470 Integrated Resource Management. (3) A.** Prerequisite: MGT 370. Advanced management models and computer techniques, international operations and interfunctional aspects of decision making from the perspective of controlling operations.



**MGT 480 Organization Behavior.** (3) I, II. Prerequisite: MGT 300 or MGT 301. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized.

**MGT 490 Special Problems in Management.** (1-4) A. Prerequisite: advisor/departamental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**MKT—Marketing**  
Dr. Norb Elbert, Chair

**MKT 300 Principles of Marketing.** (3) I, II. Prerequisites: ACC 201, 202, and ECO 230 with a grade of "C-" or better in each course; junior standing (a minimum of 60 hours) with an overall minimum 2.0 GPA. Overview of strategic processes involved in marketing goods and services to global markets; study of behavioral, organizational, and consumer variables in decision processes; use of the marketing mix and marketing information to affect buyer decisions.

**MKT 301 Principles of Marketing (NB)** (3) A. Prerequisite: junior standing (at least 60 hours) with an overall GPA of 2.0. Not for students majoring or minoring in business. Overview of strategic processes involved in marketing goods and services to global markets; study of behavioral, organizational, and consumer variables in decision processes; use of the marketing mix and marketing information to affect buyer decisions. Credit will not be awarded to students who have completed MKT 300.

**MKT 304 Retailing.** (3) A. Prerequisite: MKT 300 or MKT 301. Principles of retailing from the marketing perspective; types of retail businesses; organizations; location; layout; management of operations, inventory, personnel, promotion, and control.

**MKT 306 Services Marketing.** (3) A. Prerequisite: MKT 300 or MKT 301. Understanding the customer from the services and non-profit marketing perspectives. Examination of marketing in service industries with emphasis on the unique aspects of services marketing, the service marketing mix and the implementation of services strategies.

**MKT 309 Integrated Marketing Communications.** (3) A. Cross listed as COM 309 and TEC 309. A course covering the theories, strategies, and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and World Wide Web (WWW). Credit will not be awarded to students who have credit for COM 309 or TEC 309.

**MKT 310 Personal Selling.** (3) A. Prerequisite: MKT 300 or MKT 301. Personal selling in marketing; the selling process; stressing the modern, international sales/marketing approach to customer society oriented problem solving.

**MKT 312 Principles of Transportation.** (3) A. Prerequisite: MKT 300. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the integration of transportation with other elements of business.

**MKT 315 Physical Distribution Management.** (3) A. Prerequisite: MKT 300. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation.

**MKT 320 Advertising.** (3) A. Prerequisite: MKT 300 or MKT 301. How advertising is organized; economic and social aspects; advertising research; basic media strategy; consumer behavior; legal and other restraints; careers in advertising.

**MKT 349 Applied Learning in Marketing.** (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**MKT 349 A-II Cooperative Study: Marketing.** (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

**MKT 350 Consumer Behavior in Marketing.** (3) I, II. Prerequisite: MKT 300 or MKT 301. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

**MKT 380 Seminar in Marketing.** (3) A. Prerequisite: MKT 300 or MKT 301. May be retaken under different sub-topics to a cumulative maximum of six hours. Selected topics in contemporary marketing literature.

**MKT 400 International Marketing.** (3) I, II. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for adapting to variations in cultural and economic factors affecting foreign marketing efforts.

**MKT 401 Internet Marketing.** (3) A. Prerequisite: MKT 300. Survey, analysis, and evaluation of current trends and issues in marketing in computer mediated environments, including how the marketing mix is adapted strategically to the Internet and World Wide Web, intranets, and other electronic forms.

**MKT 404 Retailing Management.** (3) A. Prerequisite: MKT 304. Investigation of current problems faced by retailers in store operations, management, retail buying, and inventory control. Outside readings, oral and written case studies, and field trip experiences are required.

**MKT 408 Sales Management.** (3) A. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques: time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

**MKT 426 Advertising Campaigns.** (3) A. Prerequisite: MKT 320. Planning and execution of a direct marketing and advertising campaign as a part of the overall marketing strategy. Students will originate a direct marketing campaign for a client. Includes all aspects of direct marketing and advertising. Credit will not be awarded to students who have credit for COM 450.

**MKT 431 Purchasing and Materials Management.** (3) A. Prerequisite: MKT 300. The purchasing process as it focuses on supply efficiency and effectiveness relating to the fit between purchasing objectives and strategies and organizational objectives and strategies.

**MKT 440 Industrial Marketing.** (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

**MKT 455 Marketing Research and Analysis.** (3) I, II. Prerequisites: MKT 300 and QMB 200. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

**MKT 481 Internship in Marketing.** (3 or 6) A. Prerequisites: minimum 2.25 GPA, MKT 300, MGT 300, and consent of instructor. Provides student with half-time or full-time relevant work experience in marketing. Written assignments and a project are

required. May be taken only once for three (3) or six (6) hours of credit and not concurrently with Cooperative Study.

**MKT 490 Special Problems in Marketing.** (1-4) A. Prerequisite: advisor/departamental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**MPM—Medical Practice Management**  
Dr. Rebecca Newsome, Coordinator

**MPM 410 Computer Applications in Medical Practice Management.** (3) I, A. Prerequisites: CCT 250, MAS 360. The application of knowledge and skills in computer usage, system selection and common functions of medical practice management software.

**MPM 450 Strategic Policy Development in MPM.** (3) II, A. Prerequisites: MAS 360. Students will develop skills in analyzing various aspects of a medical practice and will develop policies and procedures which will enhance the overall effectiveness of a practice.

**MPM 460 Medical Practice Compliance.** (3) I, A. Prerequisites: MAS 355, 360. Students will familiarize themselves with compliance issues facing today's medical practice and will develop skills in assessing whether or not an office is in compliance with various federal, state, and regulatory agencies.

**MPM 480 Medical Office Practicum.** (3) A. Prerequisite: final semester in the MPM program. This practicum will enable students to exercise the necessary skills for managing a small, medium, or large medical practice or outpatient facility.

**MSL—Military Science and Leadership**  
LTC. Brett Morris, Chair

**MSL 100 Introduction to Leadership.** (1) A. Introduction of leadership styles, comparison of civilian and military leadership; and analysis of the constitutional and historical basis for officership in the U.S. Army. 1 Lec.

**MSL 101 Foundations of Officership.** (2) I. Introduces students to issues and competencies that are central to a Commissioned Officer's responsibilities. Establish framework for understanding officership, leadership, and Army values and "life skills" such as fitness and time management. 1 Lec/1 Lab.

**MSL 102 Basic Leadership.** (2) II. Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling. 1 Lec/1 Lab.

**MSL 201 Individual Leadership Studies.** (2) I. Students identify successful leadership characteristics through observation of others and self through experiential learning exercises. Students record observed traits (good and bad) in a dimensional leadership journal and discuss observations in small group settings. 2 Lec/1 Lab.

**MSL 202 Leadership & Teamwork.** (3) II. Study examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback. 2.5 Lec 2.5 Lab.

**MSL 210 Leaders Training Course.** (5) Summer Only. A comprehensive leader training course which can be taken in lieu of 201 and 202. This course emphasizes an experiential, hands-on approach to leader development. Held at Fort Knox, Kentucky. Students are paid to attend.



**MSL 298 Independent Leadership Studies (2-3) A.** Prerequisite: departmental approval; may be taken once in lieu of MSL 201 or 202. Students record observed traits in a dimensional leadership journal and discuss observations with instructor. Independent examination of effective leadership, communications, goal setting, decision-making, problem solving, and quality improvement techniques. 2.5 Ind Stu/2.5 Lab.

**MSL 301 Leadership & Problem Solving (3) I.** Prerequisites: 54 hours, MSL 201 and 202 or MSL 210; or Departmental approval. Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. 2.5 Lec/2.5 Lab.

**MSL 302 Leadership & Ethics (3) II.** Prerequisite: MSL 301 or departmental approval. Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey of Army leadership doctrine. Emphasis on improving oral/written communication abilities. 2.5 Lec/2.5 Lab.

**MSL 303 American Military History (3) I.** Examines U.S. Military History from pre-Revolutionary times to post-Vietnam: defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies and battle analysis.

**MSL 310 Leadership Development and Assessment Course, (6) Summer Only.** Prerequisite: MSL 302. Refines student leadership and teamwork building skills through intensive practical application, rotating leader/command experience involving problem analysis, decision-making, and troop leading in both garrison and field environments. Held at Fort Lewis, Washington.

**MSL 311 Internship in Leadership (3) Summer Only.** Pre and Corequisites: MSL 301, MSL 302 and enrolled in MSL 310. Students assigned to leadership positions with active army units for 3-4 weeks. Students are paid and receive a written evaluation of their leadership performance and potential and must complete an after action report upon returning. May only be taken once.

**MSL 401 Leadership and Management (3) I.** Prerequisite: MSL 302 or departmental approval. Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developing counseling techniques. 2.5 Lec/2.5 Lab.

**MSL 402 Officership (3) II.** Prerequisite: MSL 401 or departmental approval. Study includes case study of military law and practical exercises on ethical command climates. Students complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills. 2.5 Lec/2.5 Lab.

**MSL 403 Topics in Military Leadership (1) A.** Prerequisite: MSL 402. Study of current issues relevant to the professional development and commissioning of Second Lieutenants in the United States Army. May repeat with different topics for a maximum of 4 hours. 1 Lec/1 Lab.

**MSL 498 Advanced Independent Leadership Studies (3) A.** Prerequisite: departmental approval; may be taken twice in lieu of MSL 301, 302, 401, or 402. Equivalent study of the materials covered in the course being replaced. 2.5 Ind Stu/2.5 Lab.

**MUS—Music APPLIED MUSIC**  
**Rob James, Chair**

**MUS I01A,B,C Performance Class. (0) A.** Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

**MUS 109 Introductory Class Piano. (1) I.** For students enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

**MUS 110 Beginning Class Piano I. (1) I, II.** Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken to a maximum of two hours.

**MUS 111 Beginning Class Piano II. (1) I, II.** Prerequisite: MUS 110 or departmental approval. Continuation of MUS 110. May be retaken to a maximum of two hours.

**MUS 112 Piano I. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 114 Keyboard Skills I. (2) I, II.** Prepares piano majors and other music majors with advanced keyboard background to meet Level II Piano Proficiency Examination requirements. Emphasis is functional skills, such as reading, transposing, playing by ear, harmonizing and improvising, combined with keyboard harmony, technique and memorization skills.

**MUS 115 Keyboard Skills II. (2) I, II.** Prerequisite: MUS 114 or departmental approval. Continued development of skills begun in MUS 114 to prepare piano majors and other music majors with advanced keyboard background to meet Level IV Piano Proficiency Examination Requirements.

**MUS 122 Voice I. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 132a Violin I. (1-2) I, II.** One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

**MUS 132b Viola I. (1-2) I, II.** One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

**MUS 132c Violin 'cello I. (1-2) I, II.** One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of four hours.

**MUS 132d String Bass I. (1-2) I, II.** One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

**MUS 132f Guitar I. (1-2) I, II.** One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

**MUS 142 Organ I. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 145a Cornet and Trumpet I. (1-2) I, II.** One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

**MUS 145b French Horn I. (1-2) I, II.** One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

**MUS 145c Baritone Horn I. (1-2) I, II.** One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

**MUS 145d Trombone I. (1-2) I, II.** One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

**MUS 145e Tuba I. (1-2) I, II.** One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

**MUS 146a Flute I. (1-2) I, II.** One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

**MUS 146b Oboe I. (1-2) I, II.** One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

**MUS 146c Clarinet I. (1-2) I, II.** One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

**MUS 146d Bassoon I. (1-2) I, II.** One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

**MUS 146e Saxophone I. (1-2) I, II.** One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

**MUS 147 Percussion I. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 210 Intermediate Class Piano I. (1) I, II.** Prerequisite: MUS 111 or departmental approval. Second year course for non-piano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken to a maximum of two hours.

**MUS 211 Intermediate Class Piano II. (1) I, II.** Prerequisite: MUS 210 or departmental approval. Continuation of MUS 210. May be retaken to a maximum of two hours.

**MUS 212 Piano II. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 222 Voice II. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 230 String Instruments I. (1) I, II.** Fingering, care of instruments and tone production. Group instruction to prepare for teaching strings in class and for training string section of school orchestra; survey of teaching materials.

**MUS 232a Violin II. (1-2) I, II.** One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

**MUS 232b Viola II. (1-2) I, II.** One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

**MUS 232c Violin 'cello II. (1-2) I, II.** One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of four hours.

**MUS 232d String Bass II. (1-2) I, II.** One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

**MUS 232f Guitar II. (1-2) I, II.** One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

**MUS 242 Organ II. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 245a Cornet and Trumpet II. (1-2) I, II.** One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

**MUS 245b French Horn II. (1-2) I, II.** One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

**MUS 245c Baritone Horn II. (1-2) I, II.** One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

**MUS 245d Trombone II. (1-2) I, II.** One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

**MUS 245e Tuba II. (1-2) I, II.** One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

**MUS 246a Flute II. (1-2) I, II.** One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

**MUS 246b Oboe II. (1-2) I, II.** One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

**MUS 246c Clarinet II. (1-2) I, II.** One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

**MUS 246d Bassoon II. (1-2) I, II.** One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

**MUS 246e Saxophone II. (1-2) I, II.** One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

**MUS 247 Percussion II. (1-2) I, II.** One or two lessons per week. May be retaken to a maximum of four hours.

**MUS 251 Brass Instruments Class I. (1) I, II.** Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

**MUS 252 Brass Instruments Class II. (1) I, II.** Prerequisite: MUS 251. Continuation of MUS 251.

**MUS 301 A,B,C Performance Class. (0) A.** Prerequisite: completion of MUS 101 A,B,C. Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

**MUS 312 Piano III. (1-4) I, II.** One or two lessons per week. May be retaken to a maximum of eight hours.

**MUS 313 Accompanying. (1/2) I, II.** Prerequisite: keyboard coordinator approval. Upper-division keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of two hours.

**MUS 320 Class Voice. (1) I, II.** Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

**MUS 322 Voice III. (1-4) I, II.** One or two lessons per week. May be retaken to a maximum of eight hours.

**MUS 330 String Instruments Class II. (1) I, II.** Prerequisite: MUS 230. Continuation of MUS 230.

**MUS 332a Violin III. (1-4) I, II.** One or two lessons per week. Instruction in violin. May be retaken to a maximum of eight hours.

**MUS 332b Viola III. (1-4) I, II.** One or two lessons per week. Instruction in viola. May be retaken to a maximum of eight hours.

**MUS 332c Violin 'cello III. (1-4) I, II.** One or two lessons per week. Instruction in violin 'cello. May be retaken to a maximum of eight hours.

**MUS 332d String Bass III. (1-4) I, II.** One or two lessons per week. Instruction in string bass. May be retaken to a maximum of eight hours.

**MUS 332f Guitar III. (1-4) I, II.** One or two lessons per week. Instruction in guitar. May be retaken to a maximum of eight hours.

**MUS 342 Organ III. (1-4) I, II.** One or two lessons per week. May be retaken to a maximum of eight hours.

**MUS 345a Cornet and Trumpet III. (1-4) I, II.** One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

**MUS 345b French Horn III. (1-4) I, II.** One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

**MUS 345c Baritone Horn III. (1-4) I, II.** One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

**MUS 345d Trombone III. (1-4) I, II.** One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

**MUS 345e Tuba III. (1-4) I, II.** One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

**MUS 346a Flute III. (1-4) I, II.** One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

**MUS 346b Oboe III. (1-4) I, II.** One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

**MUS 346c Clarinet III. (1-4) I, II.** One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

**MUS 346d Bassoon III. (1-4) I, II.** One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

**MUS 346e Saxophone III. (1-4) I, II.** One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

**MUS 347 Percussion III. (1-4) I, II.** One or two lessons per week. May be retaken to a maximum of eight hours.

**MUS 351 Woodwind Instruments Class I. (1) I, II.** Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

**MUS 352 Woodwind Instruments Class II. (1) I, II.** Prerequisite: MUS 351. Continuation of MUS 351.

**MUS 354 Percussion Class I. (1) I, II.** Snare drumming, mridiments, teaching techniques. Experiences on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments; marimba, xylophone, bells, and others.

**MUS 364 Instrumental Music Lab. (1) I, II.** Practical experience in performing and conducting instrumental music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

**MUS 365 Choral Music Lab. (1) I, II.** Practical experience in performing and conducting choral music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

**MUS 370 Marching Band Techniques. (2) I, II.** Marching fundamentals, charting, and scoring for the contemporary marching band.

**MUS 382 Choral Arranging. (2) I, II.** Scoring literature of all types of choral ensembles for school use.

**MUS 399 Junior Recital. (1) I, II.**

**MUS 412 Piano IV. (1-4) I, II.** One or two lessons per week. May be retaken.

**MUS 422 Voice IV. (1-4) I, II.** One or two lessons per week. May be retaken.

**MUS 432a Violin IV. (1-4) I, II.** One or two lessons per week. Instruction available in violin. May be retaken to a maximum of eight hours.

**MUS 432b Viola IV. (1-4) I, II.** One or two lessons per week. Instruction available in viola. May be retaken to a maximum of eight hours.

**MUS 432c Violin 'cello IV. (1-4) I, II.** One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of eight hours.

**MUS 432d String Bass IV. (1-4) I, II.** One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of eight hours.

**MUS 432f Guitar IV. (1-4) I, II.** One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of eight hours.

**MUS 442 Organ IV. (1-4) I, II.** One or two lessons per week. May be retaken.

**MUS 445a Cornet and Trumpet IV. (1-4) I, II.** One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

**MUS 445b French Horn IV. (1-4) I, II.** One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

**MUS 445c Baritone Horn IV. (1-4) I, II.** One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

**MUS 445d Trombone IV. (1-4) I, II.** One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

**MUS 445e Tuba IV. (1-4) I, II.** One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

**MUS 446a Flute IV. (1-4) I, II.** One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

**MUS 446b Oboe IV. (1-4) I, II.** One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

**MUS 446c Clarinet IV. (1-4) I, II.** One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

**MUS 446d Bassoon IV. (1-4) I, II.** One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

**MUS 446e Saxophone IV. (1-4) I, II.** One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

**MUS 447 Percussion IV. (1-4) I, II.** One or two lessons per week. May be retaken.

**MUS 499 Recital. (1 or 2) I, II.**

**MUS 512 Piano V. (1-4) I, II.** May not be taken for credit by piano majors.

**MUS 513 Techniques of Accompanying. (1) I, II.** Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

**MUS 522 Voice V. (1-4) I, II.** May not be taken for credit by voice majors.

**MUS 542 Organ V. (1-4) I, II.** May not be taken for credit by organ majors.

## MUS—Music MUSIC ENSEMBLES Rob James, Chair

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.

**MUS 127, 327 Opera Workshop. (3) I, II.** Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management. Course may be retaken.

**MUS 205 Chamber Music. (1/2) I, II.** Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

**MUS 223 Vocal Jazz Ensemble. (1) I, II.** Rehearsal and performances of show choir literature. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 224 Madrigal Singers. (1) I, II.** Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 225 Concert Choir. (1) I, II.** Rehearsal and performances of choral literature. Course may be retaken.

**MUS 226 University Singers. (1) I, II.** Rehearsal and performance of music for vocal ensemble. Concerts given both on- and off-campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

**MUS 235 Orchestra. (1) I, II.** Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

**MUS 236 String Orchestra. (1) I, II.** Rehearsal and performance of string orchestra literature from all style periods. Concerts given both on and off campus. Two or more hours of rehearsal per week. May be retaken to a maximum of four hours.

**MUS 250 Small Ensembles. (1/2) I, II.** Rehearsal and performance for: string orchestra, brass choir, percussion ensemble, stage band, and clannet choir. Course may be retaken.

**MUS 253 Percussion Ensemble. (1) I, II.** Rehearsal and performance of standard Percussion Ensemble literature including steel drums, African studies, and marimba ensemble literature. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 254 Jazz Ensemble. (1) I, II.** Rehearsal and performance of standard Jazz Ensemble literature including jazz improvisation, jazz styles, and form. Course open by audition only. May be retaken to a maximum of four hours.



**MUS 255A Symphonic Band. (1) I, II.**

Formerly MUS 255. Course open by audition only. Rehearsal and performance of standard band literature. May be retaken to a maximum of four hours.

**MUS 255B Concert Band. (1) II.** Course open to all students with prior experience in wind and percussion instruments. Rehearsal and performance of standard band literature. May be retaken to a maximum of four hours.

**MUS 256 Marching Band. (1) I.** Preparation and performances of marching band shows during the football season. Three or more rehearsals per week. May be retaken to a maximum of four hours. Gen. Ed. 18.

**MUS 257 Guitar Ensemble. (1) I, II.** Course open to guitar majors only. Must have experience reading music and performance skills on the instrument. May be retaken for a total of four hours.

**MUS 423 Vocal Jazz Ensemble. (1) I, II.** Rehearsal and performance of show choir literature. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 424 Madrigal Singers. (1) I, II.** Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 425 Concert Choir. (1) I, II.** Prerequisite: MUS 225. Rehearsal and performance of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

**MUS 426 University Singers. (1) I, II.** Prerequisite: MUS 226. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

**MUS 435 Orchestra. (1) I, II.** Prerequisite: MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

**MUS 436 String Orchestra. (1) I, II.** Rehearsal and performance of string orchestra literature from all style periods. Concerts given both on and off campus. Two or more hours of rehearsal per week. May be retaken to a maximum of four hours.

**MUS 453 Percussion Ensemble. (1) I, II.** Rehearsal and performance of standard Percussion Ensemble literature including steel drums, African studies, and marimba ensemble literature. Course open-by-audition only. May be retaken to a maximum of four hours.

**MUS 454 Jazz Ensemble. (1) I, II.** Rehearsal and performance of standard Jazz Ensemble literature including jazz improvisation, jazz styles, and forms. Course open by audition only. May be retaken to a maximum of four hours.

**MUS 455A Symphonic Band. (1) I, II.** Formerly MUS 455. Prerequisite: MUS 255A. Course open by audition only. Rehearsal and performance of standard band literature. May be retaken to a maximum of four hours.

**MUS 455B Concert Band. (1) II.** Prerequisite: MUS 255B. Course open to all students with prior experience in wind and percussion instruments. Rehearsal and performance of standard band literature. May be retaken to a maximum of four hours.

**MUS 457 Guitar Ensemble. (1) I, II.** Prerequisite: MUS 257. Course open to guitar majors only. Must have experience reading music and performance skills on the instrument. May be retaken for a total of four hours.

**MUS—Other Music Courses**  
**Rob James, Chair**

**MUS 102 Introduction to the Fundamentals of Music. (3) I, II.** Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed

insufficient to complete MUS 181. Credit does not count toward a music major or minor.

**MUS 171 Enjoyment of Music. (3) I, II.** May not count toward a music major or minor. Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance. Gen. Ed. 07.

**MUS 181 Beginning Theory I. (4) I.** Perception and understanding of music through an integrated study of relatively simple, short structures from the late Baroque to the early Romantic periods.

**MUS 182 Beginning Theory II. (4) II.** Prerequisite: MUS 181. Continuation of MUS 181.

**MUS 190 Introduction to Music Industry I. (2) II.** An overview to the music industry. Includes topics in music business careers, promotion and trade associations, basics of music merchandising such as music product, sales, instruments and equipment.

**MUS 191 Introduction to Music Industry II. (2) I.** Prerequisite: MUS 190 or departmental approval. Continuation of MUS 190. An overview of the music industry including record production and companies, recording studios and engineers, commercial radio and records, and radio business.

**MUS 220 Diction for Singers. (1) I, II.** For voice, education, and choral conducting students. Enunciation and projection; accurate pronunciation in English, Italian and Ecclesiastical Latin. Phonetics and the International Phonetic Alphabet.

**MUS 272 Music Literature. (3) I, II.** Critical listening and score-reading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed. 07.

**MUS 273 Survey of American Popular Music. (3) I, II.** Survey of American popular music establishing its origins and tracing its development to the present time. Gen. Ed. 08.

**MUS 281 Intermediate Theory III. (4) I.** Prerequisite: MUS 182. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

**MUS 282 Intermediate Theory IV. (4) II.** Prerequisite: MUS 281. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

**MUS 283 Beginning Composition. (1) A.** Prerequisite: instructor approval. Guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. Correct notation and major stylistic analysis stressed. May be retaken to a maximum of four hours provided the subject matter is different each time.

**MUS 285 Jazz Improvisation. (3) I, II.** Prerequisite: MUS 182 or instructor approval. Develop skills for improvising in contemporary jazz idioms.

**MUS 290 Film Scoring. (2) II.** Prerequisite: MUS 190, 191 or departmental approval. This course gives students important and practical knowledge, tools, and approaches to writing music in the profession. Will also cover topics in MIDI, sequencing, Finale, Sibelius, and hard disk recording applications.

**MUS 349 Applied Learning in Music. (1-8) A.** Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**MUS 349 A-H Cooperative Study: Music. (1-8) A.** Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**MUS 360 Music Fundamentals for the Elementary Teacher. (2) I, II.** Open only to elementary education majors who have been admitted to the Teacher Education Program. Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences.

**MUS 366 Fundamentals of Conducting. (1) I.** Prerequisite: junior standing in music or instructor approval. Basic techniques of conducting.

**MUS 367 Instrumental Conducting. (2) II.** Prerequisite: MUS 366. Instrumental conducting techniques and their application in rehearsal and performance.

**MUS 368 Choral Conducting. (2) II.** Prerequisite: MUS 366. Choral conducting techniques and their application in rehearsal and performance.

**MUS 371 Survey of Music History I. (3) I.** Prerequisite: MUS 171 or MUS 272 or instructor approval. This survey of music history covers two in depth areas of study: The first eight weeks includes an introduction to world music and ancient music through Medieval Western Music. The second eight weeks continues with the Renaissance and Baroque periods. Gen. Ed. 07.

**MUS 372 Survey of Music History II. (3) II.** Prerequisite: MUS 371 or instructor approval. Survey of music history from the Classical era to the present. Gen. Ed. 07.

**MUS 383 Orchestration. (3) I, II.** Survey of ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra.

**MUS 384 Electronic Music. (2) I, II.** Prerequisite: MUS 181. This course will provide a systematic investigation of four technologies specifically relevant to the field of music: they are midi sequencing, computer music notation, World Wide Web page design, and digital hard disk recording.

**MUS 390 Survey of the Music Industry I. (3) I.** Examination of the music industry including marketing and promotion, advertising, record production and companies, commercial radio and records, and radio business. A project reflecting course study is required.

**MUS 391 Survey of the Music Industry II. (3) II.** Prerequisite: MUS 390 or instructor approval. Continuation of MUS 390. Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required.

**MUS 480 Form and Analysis. (3) I, II.** Prerequisite: junior standing in music. In-depth study of the materials of form from the motive through large structures.

**MUS 481 Counterpoint. (3) A.** Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th century and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

**MUS 483 Composition. (2) A.** Prerequisite: MUS 282 or equivalent; or instructor approval. Individual guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. May be retaken to a maximum of eight hours, provided the subject matter is different.

**MUS 520 Diction for Singers. (1) I, II.** For voice and choral conducting students. Enunciation and projection, accurate pronunciation in German and French. Phonetics and the International Phonetic Alphabet.

**MUS 550 Teaching Techniques. (1-2) A.** Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.



**MUS 551 Performance Literature. (1-2) A.** Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

**MUS 554 Band Literature. (2) A.** Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band.

**MUS 555 Symphonic Music Literature. (3) II.** Prerequisites: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

**MUS 556 Choral Music Literature. (3) I.** Prerequisites: MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

**MUS 564 Advanced Instrumental Conducting. (2) A.** Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

**MUS 565 Advanced Choral Conducting. (2-3) A.** Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

**MUS 586 Workshop in Instrumental Music. (1-4) A.** Topics in band or orchestra procedures. May be retaken to a maximum of four hours.

**MUS 588 Pedagogy of Theory. (2) A.** Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

**MUS 589 Workshop in Choral Music. (1-4) A.** Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken to a maximum of four hours.

**NAT—Natural Science**  
**Dr. Malcolm Frishie, Chair**

**NAT 101 Biology: The Science of Life. (3) I, II.** This biological science course emphasizes human relationships with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems. Credit will not be awarded to students who have credit for BIO 100 2 Lec/2 Lab. Gen. Ed. 13.

**NAT 101A Exploring Biology. (1) I, II.** Corequisite: NAT 101. This course is designed to supplement NAT 101, offering students a forum in which to seek clarification of concepts and to further explore topics in biology through readings and discussion.

**NAT 171 The Physical Universe. (3) I, II.** An interdisciplinary course on natural philosophy, emphasizing science as a creative activity. It traces the evolution of our conceptions of science, the universe, matter, and energy. Credit will not be awarded to students who have credit for PHY 101. 2 Lec/2 Lab. Gen. Ed. 14.

**NAT 172 The Physical Environment. (3) I, II.** This course explores aspects of the earth sciences (meteorology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. Credit will not be awarded to students who have credit for NAT 173. 2 Lec/2 Lab. Gen. Ed. 14.

**NAT 300 Science as a Human Endeavor. (3) I, II.** Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause. Gen. Ed. 15 or 16.

**NAT 305 Dinosaurs. (3) A.** The rise, diversification, and extinction of this prominent group of organisms. This course attempts to explore how scientists make inferences about the past, including the use and limitations of physical evidence and the nature of science. Gen. Ed. 15 or 16.

**NAT 310 Topics in the Natural Sciences. (1-3) A.** Selected interdisciplinary topics and topics of current interest in the natural sciences. May be retaken to a maximum of three hours provided topic is different each time. Gen. Ed. 15 or 16.

**NAT 363 Ecology and Human Affairs. (3) I, II.** A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental issues. Gen. Ed. 15 or 16.

**NAT 380 Science and Society. (3) I, II.** By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future. Gen. Ed. 15 or 16.

**NFA—Nutrition, Foods, and Food Administration**  
**Dr. Diane Leggett, Chair**

**NFA 121 Introduction to Food Composition and Preparation. (3) I, II.** A beginning food science course which deals with food composition and the relationship of scientific processes and principles to food preparation. Lecture and laboratory experiences.

**NFA 201 Essentials of Nutrition. (3) I, II.** A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

**NFA 202 Introduction to Dietetics. (1) I.** A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals.

**NFA 301 Bio Nutrition. (3) A.** Prerequisites: CHE 102 or 112; and NFA 201. Structures and chemical properties of CHO, PRO, fat and nucleic acids, vitamins, coenzymes, minerals, and water related to metabolic processes.

**NFA 302 Diet Therapy. (3) A.** Prerequisite: NFA 201. Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counseling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient.

**NFA 317 Nutrition in the Life Cycle. (3) I, II.** Study of dietary needs adapted to periods of the life cycle.

**NFA 321 Meal Management. (3) A.** Prerequisites: NFA 121 and 201. Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

**NFA 323 Experimental Foods. (3) A.** Prerequisites: NFA 121 and CHE 102 or equivalent. Advanced food science course concerning the study of the reactions and interactions of food components in complex food systems during preparation, processing, and preservation. Lecture and laboratory experiences.

**NFA 325 Quantity Food Production. (2) I.** Prerequisite: NFA 121. Corequisite: NFA 326. Standards, principles, and techniques for managing throughout the functional subsystems of a food service setting; emphasis on quality, quantity, and cost controls.

**NFA 326 Field Experiences in Quantity Food Production. (2) I.** Prerequisite: NFA 321. Corequisite: NFA 325. Supervised field experience in the technical application of theory presented in NFA 325.

**NFA 344 Institutional Purchasing. (3) II.** Prerequisites: NFA 325 and 326 or consent of instructor. Principles and methods of purchasing foods and equipment for various types of quantity food services; emphasis on specifications and factors

affecting quality; food cost control. Field trips included.

**NFA 349 Applied Learning in Nutrition, Foods, and Food Administration. (1-8) A.** Prerequisite: instructor approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**NFA 349 A-II Cooperative Study: Nutrition, Foods, and Food Administration. (1-8) A.** Prerequisite: instructor approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**NFA 401 Human Nutrition. (3) I.** Prerequisites: NFA 301, BIO 301, and NFA 302. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

**NFA 402 Medical Nutrition Therapy. (3) I.** Prerequisite: NFA 302. Prerequisite or Corequisite: NFA 401. Analysis and application of nutrition assessment, documentation, and modified feeding practices including enteral and parenteral nutrition with application for therapeutic management of gastrointestinal disorders.

**NFA 403 Medical Nutrition Therapy II. (3) II.** Prerequisite: NFA 402. Integration of nutrition therapy, pathophysiology, and biochemical alterations for assessment and management of trauma, diabetes, cancer; and cardiovascular, renal, hepatic, and pulmonary disorders.

**NFA 411 Community Nutrition. (2) A.** Prerequisite: NFA 201. Corequisite: NFA 412. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data.

**NFA 412 Field Experience for Community Nutrition. (1) A.** Prerequisite: NFA 201. Corequisite: NFA 411. Supervised field experience including observation and participation in various community programs and settings. Experiences in individual and family nutrition counseling.

**NFA 415 Seminar in the Dietetics Profession. (1-3) A.** Prerequisites: NFA 401 and instructor approval. Current concepts and trends in dietetics and review of recent research. Topics include, but are not limited to, professional ethics, marketing, quality assurance and preparing for a dietetic internship.

**NFA 416 Special Problems in Nutrition. (1-3) A.** Prerequisites: NFA 401 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**NFA 445 Food Service Organization and Management. (3) A.** Prerequisites: NFA 325, 326. Administrative functions within a food service system. Emphasis in top management responsibilities: financial and time management, quality assurance, legislation, labor unions, merchandising, networking, and human resource management.

**NFA 500 Nutrition Concepts and Issues. (3) A.** Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or food service administration majors.

**NFA 505 Maternal and Infant Nutrition. (3) A.** Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience.

**NFA 507 Child and Adolescent Nutrition.** (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

**NFA 509 Nutrition and Aging.** (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

**NFA 517 Sports Nutrition.** (3) A. Prerequisite: NFA 201 or 500/700. Relationship of nutrition to optimal sports performance. Examines energy use during exercise metabolism, specific nutrient needs, nutritional strategies during training, conditions requiring special consideration, controversial and potentially dangerous nutritional practices of athletes.

**NSC—Nursing (Baccalaureate)**  
**Dr. Deborah Whitehouse, Chair**

**NSC 232 Health Assessment and Promotion I.** (3) I, II. Prerequisites: taken in semester immediately prior to expected enrollment in NSC 380 and students must meet minimum program GPA requirements of 2.5 or department approval. Development of assessment and health promotion skills to be used with clients throughout the life cycle.

**NSC 242 Communication in Nursing.** (3) I, II. Prerequisite: sophomore standing or instructor approval. Therapeutic communication processes, theories, and techniques for building nurse client relationships throughout the life cycle. Development of beginning skills in nursing informatics and oral communication.

**NSC 252 Nursing Science Domain.** (3) I, II. Prerequisite: sophomore standing or instructor approval. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their subsystems.

**NSC 300 Nursing Externship.** (1-6) I, II. Prerequisite: departmental approval. Integrates practice and education through a health care based service model and collaborative partnerships to enhance clinical nursing competencies.

**NSC 330 Clinical Drug Therapy.** (3) I, II, A. Prerequisite: BIO 301, NSC 350 or department approval. Foundation for applying drug knowledge in client care, with emphasis on increasing therapeutic effects and decreasing adverse effects. Includes study of selected drug classes, prototypes and individual drugs.

**NSC 332 Health Assessment and Promotion II.** (2) I, II, A. Prerequisites: NSC 232, 242, 252. Development of physical assessment skills and evaluation of health patterns for clients throughout the life cycle.

**NSC 350 Pathophysiology.** (3) I, II, A. Prerequisite: BIO 171, 301 or departmental approval. Provides a framework for interpreting structural and functional changes associated with disease, facilitating critical thinking and decision making required of the professional nurse.

**NSC 378 Short Topics in Clinical Nursing.** (1-3) A. Provides enrichment learning for upper division nursing students and practicing registered nurses. Each segment of the course describes the current trends in nursing theory and practice including relevant pathologic processes and usual nursing management. Emphasis on in-depth study of current interest topics. May be retaken to a maximum of six hours credit.

**NSC 380 Adult Health Nursing I.** (4) I, II. Corequisite or Prerequisite: NSC 350. Prerequisites: NSC 232, 242, 252. Uses nursing process to develop practice solutions for selected adult health issues.

**NSC 381 Perspectives in Professional Nursing I.** (4) A. Prerequisites: RN status and admission to the nursing major. Transition to the

professional nursing role for the RN student emphasizing foundational concepts of professional nursing practice.

**NSC 385 Perspectives in Professional Nursing II.** (4) A. Prerequisite: NSC 381. Advanced concepts and skills for professional nursing practice.

**NSC 386 Adult Health Nursing II.** (10) I, II. Prerequisites: NSC 350, 380. Uses nursing process to develop practice solutions for selected adult health issues.

**NSC 390 Nursing Research.** (2) I, II, A. Prerequisites: NSC 381 or 386; STA 215 or department approval. Uses the research process to guide nursing practice in the delivery of quality, cost effective health care.

**NSC 392 Mental Health Nursing.** (5) I, II. Prerequisites: NSC 330, 386, or department approval. Uses the nursing process to develop practice solutions for clients throughout the life cycle with selected mental health issues.

**NSC 396 Family Health Nursing.** (7) I, II. Prerequisites: NSC 330, 386, or department approval. Uses the nursing process to develop practice solutions for families during the childbearing and child rearing experience.

**NSC 480 Health Care Leadership.** (3) I, II. Prerequisites: NSC 392, 396, or 385, or department approval. An overview of leadership and management theory within nursing including legal, ethical and economic concepts. Prepares students to assume leadership in dynamic health care systems to promote comprehensive, cost-effective health care.

**NSC 484 Adult Health Nursing III.** (5) I, II. Prerequisites: NSC 392, 396. Uses nursing process to develop practice solutions for selected adult health issues.

**NSC 486 Public Health Nursing.** (5) I, II. Prerequisites: NSC 392, 396, or 385, or department approval. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their subsystems.

**NSC 492 Complex Client Health Care.** (5) I, II. Prerequisites: NSC 480, 484, 486 or department approval. Synthesizes nursing competencies to manage complex health problems, integrating legal, ethical and economic concepts.

**NSC 495 Professional Role Transition.** (2) I, II. Prerequisite: senior standing in the major. Role development seminar emphasizing refinement of oral presentation skills. Critical analysis of role theory, political, economic and socioethical systems which shape nursing practice. Analyzes strategies for instituting change in the health care delivery system.

**NSC 496 Application of Nursing Theory.** (2) I, II. Prerequisite: NSC 484 or department approval. Facilitates synthesis of nursing knowledge and strengthens the student's ability to apply theory to specific patient situations. Patient case situations from all nursing clinical areas are utilized.

**NSC 498 Independent Study.** (1-6) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to nursing. May be retaken to a maximum of six hours.

**NSC 500 Early Childhood Health Care.** (3) A. Prerequisite: education major or instructor approval. Focuses on the development of competencies necessary for health management of young children (ages birth through five years) with special health care needs. Appropriate for non-health care professionals in the community or classroom.

**NUR—Nursing (Associate)**  
**Peggy Tudor, Chair**

**NUR 112 Nursing Concepts I.** (7) I, II. Prerequisite: admission to the associate degree nursing program. Provides the theoretical and clinical foundation necessary for the beginning nursing student. Content addresses the role of the nurse in assisting individuals to meet basic needs throughout the life cycle.

**NUR 116 Laboratory Applications I.** (1) I, II. Students are provided with opportunities to apply concepts in nursing practice in the laboratory setting.

**NUR 124 Nursing Concepts II.** (5) I, II. Prerequisites: NUR 115, 116, 117 or NUR 112 and 116, BIO 171, ENG 101 or ENG 105. NFA 201 all with a grade of "C-" or better. Provides concepts and theories to apply the nursing process while caring for perioperative clients who are experiencing common stressors and clients experiencing alterations in musculoskeletal function and normal cell proliferation.

**NUR 126 Nursing Concepts III.** (3) I, II. Prerequisites: NUR 115, 116, 117 or NUR 112, 116; BIO 171, ENG 101 or ENG 105. NFA 201 all with a grade of "C-" or better. Builds upon concepts from first semester courses and provides concepts, theories and opportunities to apply the nursing process while caring for perinatal clients who are experiencing common stressors.

**NUR 200 Dosage Calculation for Nursing.** (1) A. Develops competency in dosage calculation and provides progression in application for nonparenteral to parenteral medications.

**NUR 201 Dosage Calculation for Nursing II.** (1) I, II. Prerequisite: NUR 117 (S) or NUR 200 (C or better). Develops competency in dosage calculations of intravenous therapies. Emphasis on IV medication on titration calculations including pediatric, obstetric, and clinical care dosages.

**NUR 205 Role Transition for the Licensed Practical Nurse.** (1) A. Prerequisite: admission to associate degree nursing program. Requirement for entry of licensed practical nurses into NUR 232 and 234. Emphasis is on roles of the Associate Degree Nurse, communication skills, and use of the nursing process.

**NUR 210 Medieval to Modern Drug Treatment.** (3) I, II. This course explores herbology, home and folklore remedies, over-the-counter medications, high technology drug development, Food and Drug Administration (FDA) approval, and considers implications of merging past and present medicinal treatments.

**NUR 215 Clinical Techniques in Nursing.** (1-6) A. Prerequisites: NUR 120, 121, 122, and 123 or 124 & 126 or equivalent with a grade of "C-" or better. Supervised practice in department approved agency. The number of hours will depend on the range and depth of activities. May be retaken to a maximum of 6 hours.

**NUR 217 Strategies for Success in Nursing.** (1) I, II. This course explores a variety of strategies designed to assist students to develop habits which promote success in nursing education.

**NUR 230 Principles of Pain Management.** (2) I, II. This course examines specific concepts aimed at relieving client pain by altering the physiological, psychological, and behavioral variables of the pain experience.

**NUR 232 Nursing Concepts III-Med-Surg.** (7) I, II. Prerequisites: NUR 120, 121, 122, 123 or NUR 124, 126 or NUR 205; BIO 301, CHE 105, ENG 102 or ENG 105 all with a grade of "C-" or better. Students develop theoretical and clinical competency in the application of the nursing process while caring for clients experiencing alterations in oxygenation, ingestion, and elimination.

**NUR 234 Nursing Concepts III-Psych.** (3) I, II. Prerequisites: NUR 120, 121, 122, 123 or NUR 124, 126 or NUR 205; BIO 301, CHE 105, ENG 102 or ENG 105 all with a grade of "C-" or better. Students develop theoretical and clinical competency in the application of the nursing process while caring for clients experiencing interferences with patterns of behavior and coping.

**NUR 239 Transitions in Nursing.** (4) A. Prerequisite: departmental approval. A four-hour course designed to assist international students as they transition into a new health care system prior to their final semester of nursing, which includes a clinical component.



**NUR 242 Nursing Concepts IV. (8) I, II.** Formerly NUR 245. Prerequisites: NUR 232, 234, BIO 273, PSY 200 or SOC 131 - all with grade of "C-" or better. Corequisite: NUR 255. Students develop competency in the application of the nursing process while caring for clients experiencing alterations in renal, regulatory, neuro-sensory, immune and integument function. Selected clinical experiences are utilized.

**NUR 247 Holism, Health, and Success. (1) I, II.** Prerequisite: CHS nursing student. Principles and theories from holistic nursing, education, and psychology are explored and applied to the creation of academic success, health, and the attainment of personal life goals.

**NUR 255 Trends and Issues in Nursing. (2) I, II.** Prerequisites: NUR 232 and 234. Corequisite: NUR 242. Focuses on current issues and trends in nursing. Ethical, legal, and professional responsibilities and career opportunities are stressed with historical events in nursing interwoven.

**NUR 265 Independent Study. (1-6) A.** Directed study on an issue or area of interest to nursing. May be retaken to a maximum of six hours credit.

#### **OHO—Ornamental Horticulture** **Michael Judge, Interim Chair**

**OHO 131 Principles of Horticulture. (3) I.** Corequisite: OHO 132. Introduction to the major divisions of horticulture with emphasis on plant growth, propagation, reproduction, and soil-water relationships. Exploration of the various phases of horticulture and the related employment opportunities in the industry.

**OHO 132 Horticulture Laboratory. (1) I.** Corequisite: OHO 131. Laboratory, greenhouse, and field work which applies the principles of nursery, turf, and greenhouse management taught in the classroom.

**OHO 261 Selection and Use of Deciduous Trees and Shrubs. (3) I.** Characteristics of identification and criteria for landscape use of perennials, deciduous tree, and shrub cultivars adapted to Kentucky.

**OHO 262 Selection and Use of Evergreen Trees and Shrubs. (3) II.** Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

**OHO 283 Bedding Plant Production. (3) II.** Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings. 2 Lec/2 Lab.

**OHO 301 Directed Work Experience. (1-4) I, II.** Cross listed as AGR 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for AGR 301.

**OHO 349 Applied Learning in Horticulture. (1-8) A.** Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**OHO 349 A-II Cooperative Study: Horticulture. (1-8) A.** Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**OHO 351 Turfgrass Management. (4) I.** Prerequisite: AGR 215. The establishment and maintenance of greenspaces utilizing turfgrass species and cultivars adapted to variable intensities of culture. Relationships of environmental factors and cultural practices are emphasized. 3 Lec/2 Lab.

**OHO 352 Horticulture Equipment. (2) A.** The selection, operation, and maintenance of

equipment and engines used in establishing and maintaining landscape, nursery, and greenhouse areas. 1 Lec/2 Lab.

**OHO 354 Irrigation Systems. (2) I.** An introduction to irrigation systems, their design and installation for efficient water utilization in crop production and maintenance. Overhead, drip, and subirrigation systems are evaluated.

**OHO 362 Topics in Landscape Gardening. (1-6) A.** Students may enroll up to six times for a total of six hours.

**OHO 362A Home Landscape Option.**

**OHO 362D Disease and Insect Control Option.**

**OHO 362E Floral Design Option. 2 lab**

**OHO 362F Lawn Establishment and Maintenance Option.**

**OHO 362G Problems of Golf Course Operation Option.**

**OHO 362K Interior Plantscaping Option.**

**OHO 363 Retail Florist Operation. (3) A.**

The study of floral businesses as related to locating, starting, and operating a retail floral establishment.

**OHO 364 Advanced Floral Design. (2) A.** The study and practice of advanced floral design techniques, includes construction of conventional and contemporary floral designs. 1 Lec/2 Lab.

**OHO 370 Landscape Operations**

**Management. (3) II.** Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and herbaceous plants in the landscape operation. 2 Lec/2 Lab.

**OHO 371 Nursery Production Technology.**

**(3) I.** Prerequisite: AGR 215. Production and wholesale marketing techniques of woody and herbaceous ornamental plants including site selection, growing procedures, and shipping. Students work in the University nursery and develop business record keeping systems with the use of microcomputers.

**OHO 372 Nursery Retail Technology. (3) A.** Prerequisites: OHO 131 and 132. The design, development, and management of a retail nursery outlet primarily a retail nursery garden center. Students will develop a model retail business including all phases of applied sciences such as business record keeping, with the help of microcomputers.

**OHO 373 Fruit Production. (3) A.** Planning, planting, and growing fruits. Pruning, training, fertilizing, controlling pests, and harvesting for quality of bush and tree fruits.

**OHO 384 Greenhouse Floral Crops. (3) A.** The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing production cycles to meet peak demands and marketing techniques. 2 Lec/2 Lab.

**OHO 385 Production of Foliage Plants. (3) A.** Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

**OHO 386 Vegetable Production. (3) A.** Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

**OHO 388 Greenhouse Operation and Management. (3) II.** Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames.

**OHO 389 Greenhouse Management Practicum. (3) I, II.** Management of the greenhouse; students work nine hours per week in the greenhouses to practice management and production skills.

**OHO 391 Landscape Methods and Related Businesses. (3) I, II.** Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan. Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management. 2 Lec/2 Lab.

**OHO 392 Advanced Landscape Techniques. (3) II.** Comprehensive study of common landscape construction materials and their use in current landscape applications. Class will include laboratory exercises involving the construction of such components as retaining walls, water features, decks, and patios.

**OHO 410 Special Problems Seminar. (1-3) I, II.** Cross listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for AGR 410.

#### **OTS—Occupational Therapy** **Dr. Onda Bennett, Chair**

**OTS 101 Intro Practicum in Occupation. (2) A.** Introduction to occupational science and occupational therapy. Active learning experiences explore occupational self. Develop an understanding of self-reflection and portfolio development as process for learning.

**OTS 201 Practicum in Community Occupation. (2) A.** Prerequisite: OTS 101. Includes self-reflection and portfolio development to communicate valuing occupation as the core to well being. Active learning experiences in the community explore occupation and increase awareness and sensitivity to others as occupational beings.

**OTS 203 Bridge Practicum in Occupation and Community. (4) A.** Credit will not be awarded to students who have credit for OTS 101 and OTS 201. Fundamental concepts of occupational science and occupational therapy. Community experiences explore occupation in self and others. Web based course with intensive on campus seminar to include self-reflection and portfolio development.

**OTS 301 Practicum in Occupational Science I. (3) A.** Pre or Corequisite: OTS 311. Prerequisite: OTS 201 or 203. Community experience focusing on development of professional identity. Seminar, self-reflection and portfolio development designed to integrate knowledge of self as a creative and active occupational being.

**OTS 302 Practicum in Occupational Science II. Pre or Corequisite: OTS 313.** Community experience focusing on cultural competence and diversity. Seminar includes discussion to increase awareness and sensitivity to cultural and diversity issues, self-reflection, and portfolio development.

**OTS 311 Self as Occupational Being. (3) A.** Analysis of occupation and occupational patterns of self. Recognize and compare the influence of occupation on well-being of self and others through active learning experiences.

**OTS 312 Occupation by Design. (3) A.** An examination of problem solving strategies related to occupation. Initial use of basic problem solving methods progressing to complex design strategies required in occupation-based intervention.

**OTS 313 Occupation in Context. (3) A.** The student will gain an understanding of occupation in the contexts of space, time and culture. Lecture, observation and interview techniques will be used to recognize occupational constructs.

**OTS 335 OTS Group Theory and Dynamics. (2-3) A.** Analysis and application of communication skills necessary for becoming an effective health and human service provider. Strategies for fostering communication with diverse clients, professionals, organizations and agencies in relation to occupational behavior.

**OTS 362 Human Motion for Activity. (3) I, II.** Kinetics of the musculoskeletal system in relation to occupational performance skills. Included are evaluation procedures for muscle strength, range of motion, biomechanical analysis, and hand function 2 Lec/2 Lab.



**OTS 401 Practicum - OS III - Life**

**Narrative.** (3) A. Prerequisites: OTS 301 and 302. Pre or Corequisite: OTS 421. Active learning experience focusing on occupation across the lifespan within the context of disability. Introduction to life narratives as an assessment of occupation. Practicum includes self reflection and portfolio development.

**OTS 402 Pract-OS IV: Advocacy/Research.**

(3) A. Prerequisites: OTS 301 and 302. Pre or Corequisites: OTS 478 and OTS 432. Active learning experience focusing on advocacy, health policy, ethics, and research. Introduction to participation in policy changes and research activities to advance health care. Practicum includes self-reflection and portfolio development.

**OTS 410 Special Problems in Occupational Therapy.** (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent study, special seminar, or special topic. May be retaken to a maximum of six hours.

**OTS 421 Occupation Across the Lifespan.**

(3) A. Course examines the biophysical, cognitive and psychosocial development of a person as an occupational being. Content includes engagement in productive, restorative and pleasurable occupations over the lifespan.

**OTS 422 Impact of Conditions on Occ.** (4)

A. Introduction to human occupation in the context of disease and disability. Content includes pathophysiological, behavioral and developmental issues which have an impact on human occupation.

**OTS 425 Technology for the Disabled.** (3)

I, II. Prerequisite: senior standing in professional program. Knowledge and skills in the use of specific technology available for occupational therapists to develop or enhance the work, leisure or self-care skills of the severely disabled individual. (Last time course will be offered - Fall 2004.)

**OTS 430 Intervention in Health and**

**Human Services.** (3) A. Overview of primary concepts related to occupational assessment, intervention and documentation as a provider in health care systems. Compare intervention processes in various health and human service delivery models.

**OTS 432 Research in Occupation.** (3) I, II.

Students will learn to be consumers and participants in qualitative and quantitative research examine methods of research design, data collection, and prepare a research prospectus related to o.s. Apply statistical methods to the study of occupation.

**OTS 435 OT Professional Seminar.** (2) A.

Prerequisite: senior standing in program. Seminar course in which students will discuss and debate health issues related to practice. Concepts of position statements, strategic planning, and self-directed learning will be emphasized.

**OTS 454 OT for Adults - Assessment and**

**Treatment.** (4) I, II. Prerequisites: OTS 354 and 362. Second course on occupational therapy assessment and treatment for adults. Continuation of medical diagnoses, biopsychosocial problems, and programming for occupational performance. 5 Lec/Lab. (Last time course will be offered - Fall 2004.)

**OTS 455 OT for the Elderly.** (4) I, II.

Prerequisite: BIO 371. Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of gerontic occupational therapy. Theories of aging, normal physiological and psychological changes of aging, specific diseases and conditions, and common problems of the aging population. Focus on occupational therapy intervention. 4 Lec/Lab. (Last time course will be offered - Spring 2005.)

**OTS 462 Level I Fieldwork-B.** (2) I, II.

Prerequisite: OTS 341. Prerequisite or Corequisite: OTS 353, 454. The second competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with biopsychosocial problems. 5 Lab. (Last time course will be offered - Fall 2004.)

**OTS 473 Level I Fieldwork-C.** (2) I, II.

Prerequisite: OTS 462. Prerequisite or Corequisite: OTS 455. The third competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving the elderly. 5 Lab. (Last time course will be offered - Spring 2005.)

**OTS 478 Health Care Delivery Systems.** (3)

A. The study of occupational science, its application to occupational therapy in the history and development of health care systems, models, finance, and policy issues. Topics: reimbursement, managed care, and impact of health policy in rehabilitation.

**OTS 481 Level II Fieldwork (Internship).**

(6) A. Prerequisites: completion of all OTS and supporting courses and instructor approval. Equivalent of 12 weeks of supervised field experiences in traditional and/or emerging practice settings. Students will be supervised by registered therapists. (Last time course will be offered - Summer 2006.)

**OTS 482 Level II Fieldwork (Internship).**

(6) A. Prerequisites: completion of all OTS and support courses and instructor approval. Equivalent of 12 weeks of supervised field experiences with individuals of varying ages and conditions. Students will be supervised by registered therapists. (Last time course will be offered - Fall 2006.)

**OTS 483 Level II Fieldwork Specialty**

**Internship.** (2-6) A. Prerequisites: OTS 481 and 482. One to three months of field experience in a specialty area of occupational therapy. Students will be supervised by registered therapists. (Last time course will be offered - Fall 2006.)

**OTS 498 Occupation Portfolio.** (1) A.

Develop an understanding of self-reflection and portfolio development as a process for learning and professional advancement. Portfolio development and review within themes of occupation, communication, diversity, reasoning, and identity.

**OTS 515 Early Child Sensorimotor**

**Development.** (3) A. Provides an overview of normal sensorimotor development in infants and young children. Includes contrasting normal/abnormal development and application of appropriate developmental tasks. Laboratory experiences will be provided.

**OTS 520 Providing Health Services in**

**Appalachia.** (3) A. Prerequisite: instructor approval. An overview of development and delivery of health care services in Appalachia. Examination of relevant current and historical factors which have an impact on the health of Appalachian people.

**OTS 530 OT in Early Childhood Programs.**

(3) A. Prerequisite: OTS 352 or equivalent; or graduate OT student. Will acquaint students with early intervention and preschool environments, and the role of occupational therapy in these environments.

**OTS 531 Occupational Therapy Services in**

**the School System.** (3) A. Prerequisite: OTS 352, 353 or equivalent; or graduate OT student. In-depth study of school-based occupational therapy. Theories, principles, models of practice, and methods of occupational therapy delivery of services for students experiencing dysfunction in educational performance, within the context of state and federal laws.

**PHE—Physical Education**

Dr. Lonnie J. Davis, Chair

**PHE 125 Introduction to Physical**

**Education.** (1) I, II. Introduction to the profession; exposure to professional standards of leadership, service, and scholarship; and assessment of skills and proficiencies necessary for professional advancement.

**PHE 200 Heritage of Dance.** (3) I, II.

Introduction to dance, its role as a non-verbal means of expression. Examination of folk dance forms and their cultural context including folk, social, entertainment, and dance as an art form. Gen. Ed. 07.

**PHE 212 Care and Prevention of Athletic and Exercise Injuries.** (3) I, II. Prerequisite: BIO 171. Overview of the mechanism, prevention, management, and rehabilitation of athletic and exercise injuries. Practical experiences include the application of supportive techniques to the major joints of the body.

**PHE 220 Team Sports I.** (2) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football and basketball.

**PHE 224 Team Sports II.** (3) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to basketball, volleyball, soccer, and track and field.

**PHE 241 Swimming and Water Safety.** (1)

I, II. Prerequisite: HPR 282. Beginning Swimming or instructor approval. Develop swimming skills and endurance to intermediate level; study of fundamental mechanical principles; basic safety skills; ability to conduct a variety of aquatic activities.

**PHE 242 Advanced Lifesaving.** (1) I, II.

Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross certification awarded to those who qualify.

**PHE 250 Dance Technique and Production.**

(1) I, II. Beginning/intermediate dance technique, primarily modern, with opportunities for choreography, technical production, and/or performance of group dance composition in a concert presentation. May be retaken to a maximum of three hours.

**PHE 261 Coaching Baseball.** (2) I, II.

Theory and practice in coaching the fundamentals of baseball; team offense and defense.

**PHE 300 Techniques of Social and Creative**

**Dance.** (3) II. Teaching creative and social forms of dance in the educational and recreational setting.

**PHE 305 Individual and Dual Sports I.** (3)

I, II. Basic skills, strategy, etiquette, rules, and teaching techniques related to tennis, golf, and badminton.

**PHE 306 Individual and Dual Sports II.** (3)

A. Basic skills, strategy, etiquette, rules, and teaching techniques related to archery, howling, and racquetball.

**PHE 310 Physical Activity and Child**

**Development.** (3) II. Prerequisite: EDF 319. Understanding of motor development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

**PHE 315 Physical Fitness Concepts and**

**Applications.** (3) I, II. Discussion, demonstration, practice of fitness concepts and various methods of developing physical fitness.

**PHE 320 Biomechanics.** (3) I, II.

Prerequisite: BIO 171. Qualitative study of human movement through anatomical, physiological, and biomechanical concepts; analysis and application.

**PHE 323 Movement Concepts and Skill**

**Themes.** (3) I. Prerequisites: physical education major and EDF 103 and 203. Motor skill themes and movement concepts required for planning and teaching the appropriate sequence and scope for achievement of learner outcomes through elementary physical education.

**PHE 325 Physiology of Activity.** (3) I, II.

Prerequisite: BIO 301. Effects of physical activities on various systems of the human body.

**PHE 326 History and Philosophy of**

**Physical Education.** (2) I, II. Physical education from an historical perspective and philosophies of well-known physical educators with implications for the individual and society.

**PHE 327 Sport in American Society.** (3) II.

Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

**PHE 340 Advanced Swimming and WSI.** (2) I, II. Prerequisite: proficient swimming ability for achievement of advanced swimming and WSI skills. Study of aquatic management and teaching technique. WSI certification awarded to those who qualify.

**PHE 345 Dance Choreography.** (2) I. Basics of dance choreography, applicable to entertainment and art forms of dance.

**PHE 349 Applied Learning in Physical Education.** (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each semester hour credit.

**PHE 349 A-II Cooperative Learning: Physical Education.** (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each semester hour credit.

**PHE 360 Coaching Basketball.** (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

**PHE 361 Coaching Volleyball.** (2) I, II. Theory and practice in coaching the fundamentals of volleyball; team offense and defense.

**PHE 362 Coaching Track and Field.** (2) II. Theory and practice in coaching fundamentals involved in track and field.

**PHE 365 Gymnastics.** (2) I, II. Knowledge and skills required for teaching gymnastics skill themes and movement concepts.

**PHE 370 Practicum in Physical Education.** (1-3) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs. May be retaken to a maximum of three hours.

**PHE 383 Sports Officiating.** (1) I, II. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

**PHE 398 Practicum in Athletic Training.** (1-6) A. Supervised athletic training in a school, university, or clinic setting. May be retaken to a maximum of six hours.

**PHE 400 Organization of Recreational Sport Activities.** (3) I, II. Theoretical and practical study of intramural recreational sports programming in institutional, agency, and private setting. Laboratory hours assigned. 2 Lec/2 Lab.

**PHE 403 Therapeutic Modalities for Athletic Training.** (3) I, II. Prerequisites: BIO 171, 301, PHE 312, and 401. Study and practice related to the physiological effects of heat and cold; the therapeutic indications and contraindications of such modalities as heat, cold, electricity, ultrasound, and water.

**PHE 407 Strength and Conditioning Programming.** (3) I, II. Advanced skills in developing, implementing, and evaluating strength training programs. Knowledge of strength and resistance training, spotting techniques, and safety techniques, exercises and associated anatomy, periodization, and general guidelines for all fitness levels and ages.

**PHE 415 Outdoor and Lifelong Leisure Motor Activities.** (3) I, II. Knowledge and skills needed to conduct cooperative, leisure, adventure, and outdoor motor activities for achievement of important personal and educational goals.

**PHE 420 Coaching Football.** (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

**PHE 423 Psychology of Coaching.** (3) I. Study of the dynamics of coaching including performance enhancement and understanding the functions of the coaching process.

**PHE 433 Adult Physical Fitness Programs.** (3) I. Prerequisites: BIO 171, 301, and junior standing. Practice and study of exercise programs meeting the guidelines of the American College of Sports Medicine (ACSM) for improving body composition and cardiovascular-respiratory function in adults.

**PHE 435 Teaching Aerobic Dance.** (3) I. A methods course for teaching aerobic dance-exercise. Students will learn movement and rhythmic fundamentals, effective teaching methods, how to develop appropriate and creative choreography, injury prevention, marketing techniques, and legal issues involved in starting and running an aerobic dance-exercise class.

**PHE 450 Advanced Dance Technique and Production.** (1) I, II. Advanced technique, primarily modern, with opportunities for choreography, technical production, and/or performance of solo or group dance composition in a concert presentation. May be retaken to a maximum of two hours.

**PHE 467 Skill Acquisition.** (3) I. Practical application of principles of learning and performing motor skills taught in the physical activity environment and the influence of historical events on research in the area of skill acquisition.

**PHE 470 Internship: Sport Management.** (1-6) A. Prerequisite: 2.0 GPA, completion of physical education core courses and sport management option courses. Students are required to document a minimum of 200 hours of sport management related experiences prior to enrollment in PHE 470. Supervised experiences in the directing of sports and physical activities in various settings. May be retaken to a maximum of six hours.

**PHE 472 Internship: Physical Fitness and Wellness Management.** (1-6) A. Prerequisite: 2.0 GPA; completion of physical education core courses and physical fitness and wellness option courses. Students are required to document a minimum of 50 hours of physical fitness and wellness related experiences prior to enrollment in PHE 472. Supervised experiences in the directing of wellness and physical fitness activities in various settings. May be retaken to a maximum of six hours.

**PHE 485 Independent Study.** (1-3) I, II. Individual work on a physical education related problem in supervised situation. Restricted to undergraduate physical education major or minor student. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**PHE 562 Adapted Physical Activity.** (3) I, II. Principles and practices of adapted physical education emphasizing the needs of people with disabilities. Emphasis will be placed on the importance of physical activity, recent legislation, assessments, individual education plans, and adapting activities.

**PHE 575 Tests and Measurements in Physical Education.** (3) I, II. Administration and scoring of tests; evaluation of use of results obtained.

**PHE 590 Special Topics in Physical Education.** (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of six hours with advisor approval provided subtitle is different.

**PHI—Philosophy**  
Dr. Ron Messerich, Chair

**PHI 100 Practical Reasoning.** (3) I, II. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations. Gen. Ed. 03 or 04

**PHI 110 Beginning Philosophy.** (3) I, II. Basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief. Gen. Ed. 07.

**PHI 130 Beginning Ethics.** (3) I, II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices. Gen. Ed. 07.

**PHI 240 Philosophy of Religion.** (3) A. Study of religious experience, ideas of belief and knowledge, nature and existence of God, doctrine of persons, faith religious ethics, and religious language. Gen. Ed. 07.

**PHI 300 Greek and Roman Philosophy.** (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period. Gen. Ed. 07.

**PHI 310 Medieval Philosophy.** (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

**PHI 320 Modern Philosophy.** (3) A. Examination of some major issues and some major philosophers from the 17th and 18th centuries. Gen. Ed. 07.

**PHI 330 Twentieth Century Philosophy.** (3) A. A survey of the principal schools of philosophic thought of the twentieth century in Europe and America, with special attention to the important issues which emerge.

**PHI 332 Existentialism & Postmodernism.** (3) A. Study of the influence of such existentialists as Nietzsche, Husserl, Sartre, de Beauvoir, and Heidegger on contemporary postmodern theories such as Foucault, Baudrillard, Derrida, Kristeva, and Irigaray.

**PHI 333 Recent Analytic Philosophy.** (3) A. Examination of recent philosophic articles and books in the analytic tradition on philosophic topics at the center of current philosophic interest.

**PHI 340 Philosophy of Science.** (3) A. How views of reality, knowledge, and values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values of scientific methods and scientific theories. Gen. Ed. 08

**PHI 342 American Philosophy.** (3) A. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James, Santayana, Woodbridge, Dewey, and Whitehead.

**PHI 349 Applied Learning in Philosophy.** (1-8) A. Prerequisite: consult with department chair before enrolling. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**PHI 349 A-II Cooperative Study: Philosophy.** (1-8) A. Prerequisite: consult with department chair before enrolling. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**PHI 350 Metaphysics.** (3) A. Formerly PHI 400. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

**PHI 352 Theory of Knowledge.** (3) A. An examination of the nature, possibility, limits, sources and value of knowledge of minds and the world.

**PHI 371 Symbolic Logic.** (3) A. Basic introduction to modern symbolic logic: propositional logic, first order predicate logic, proofs and formal logic, and nature and properties of formal logic systems.



**PHI 383 Health and Biomedical Ethics. (3)**

A. An examination of the value-issues which surround problems that arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include: euthanasia, experimentation with humans, behavior control, genetic engineering, and distribution of health care facilities.

**PHI 388 Special Topics in Ethics. (1-3) A.**

An examination of ethical theories, of major ethical thinkers, or of an applied ethical field like business ethics or environmental ethics. May be retaken to a maximum of fifteen hours if the topic is different.

**PHI 390 Special Topics in Philosophy. (1-3)**

A. Prerequisite: consult with department chair before enrolling. Detailed examination of a problem-area or a school of philosophy in the history of philosophy or the thought on one outstanding philosopher. May be retaken to a maximum of fifteen hours if the topic is different.

**PHI 432 Philosophy of Art. (3) A.**

Examination of the major philosophical theories of art and beauty and the place of aesthetic language in the general area of value judgments. Representative classical and contemporary figures will be considered.

**PHI 490 Independent Work in Philosophy. (3) I, II.**

Prerequisite: consult with department chair before enrolling. Individual research and reading on a specified philosophical problem chosen by the student and instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

**PHI 499 Senior Thesis. (3) A.**

Prerequisite: consult with department chair before enrolling. Supervised, independent thesis for seniors majoring in philosophy.

**PHI 551 Classical and Medieval Political Theory. (3) A.**

Cross-listed as POL 551. Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for POL 551.

**PHI 552 Modern Political Theory. (3) A.**

Cross-listed as POL 552. Examination of Western political theory from Renaissance to the mid-twentieth century. Credit will not be awarded to students who have credit for POL 552.

**PHI 553 Contemporary Political Theory. (3) A.**

Cross-listed as POL 553. Examination of Western political thought from the mid-twentieth century to the present. Credit will not be awarded to students who have credit for POL 553.

PHY—Physics  
TBA, Chair

**PHY 100 Techniques of Physics. (1) I, II.**

Prerequisite or Corequisite: MAT 107 or higher, a MAT ACT score of 20 or departmental approval. Techniques of physics problem solving to include problems of motion forces, measurement, and analytical interpretation to aid or better prepare students for PHY 131.

**PHY 101 Concepts of the Physical World. (3) I, II.**

Designed primarily for the non-science student. Topics on energy, sound, light, electricity, magnetism, and nuclear phenomena. Credit will not be awarded to students who have credit for NAT 171. 2 Lec/2 Lab. Gen. Ed. 14.

**PHY 102 Inquiry Physics for Teachers. (3)**

I, II. Prerequisite: pre-teaching or teaching elementary and middle school education majors only or departmental approval. An inquiry-based, conceptual-approach physical science course for teaching majors. Topics include kinematics, matter and heat, optics, electricity, and magnetism. Credit will not be awarded to students who have credit for NAT 171 or PHY 101. 1 Lec/4 Lab. Gen. Ed. 14.

**PHY 131 College Physics I. (5) I, II.**

Prerequisite or Corequisite: MAT 107 or a minimum score of 20 on the mathematics portion of the ACT or departmental approval. Fundamental ideas of

mechanics, heat, and sound. Credit will not be awarded to students who have credit for PHY 201. 4 Lec/3 Lab. Gen. Ed. 14.

**PHY 132 College Physics II. (5) I, II.**

Prerequisite: PHY 131. Fundamental ideas of electricity, magnetism, optics, and modern physics. Credit will not be awarded to students who have credit for PHY 202. 4 Lec/3 Lab.

**PHY 201 University Physics I. (5) I.**

Prerequisite or Corequisite: MAT 124 or 124H, MAT 261, or departmental approval. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena. Credit will not be awarded to students who have credit for PHY 131. 4 Lec/3 Lab. Gen. Ed. 14.

**PHY 202 University Physics II. (5) II.**

Prerequisite: PHY 201. Electrostatics, electric potential, dielectrics, A.C. and D.C. circuits, magnetic fields, Faraday's Law, sound, wave motion, geometrical and physical optics. Credit will not be awarded to students who have credit for PHY 132. 4 Lec/3 Lab.

**PHY 221 Statics. (3) A.**

Prerequisite: PHY 201. Prerequisite/Corequisite: MAT 224. Study of force systems on bodies at rest, descriptions of force systems, distributed and internal forces, applications of hydrostatics, frames and trusses, beams.

**PHY 300 Modern Physics I. (3) I.**

Prerequisite: PHY 132 or 202; MAT 124 or 124H, MAT 261 or departmental approval. Physics of the 20th century. Topics include special relativity, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

**PHY 301 Modern Physics II. (3) II.**

Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles.

**PHY 303 Introduction to Laser Physics. (3)**

A. Prerequisite: PHY 132 or PHY 202 and instructor approval. An introduction to the theory and application of different types of lasers such as dye, nitrogen, He/Ne, diode, and mercury vapor; the characteristics of laser light, and optical measuring devices. 2 Lec/2 lab.

**PHY 306 Classical Physics Laboratory. (2)**

I. Prerequisite: PHY 132 or 202. Experiments in mechanics, optics, and electricity. Simulation of physical situations using a spreadsheet. Techniques of interfacing scientific equipment to microcomputers. 4 Lab.

**PHY 307 Electronics. (4) A.**

Prerequisite: PHY 132 or 202. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logic families. 3 Lec/3 Lab.

**PHY 308 Atomic and Nuclear Laboratory. (2) II.**

Prerequisite or Corequisite: PHY 301. Various experiments demonstrate types and effects of radiation, properties of atoms and nuclei, and experimental, computer, and analytical techniques. 4 Lab.

**PHY 315 Introductory Electrical Circuits. (4) A.**

Prerequisite: PHY 202. Prerequisite or Corequisite: MAT 224. Fundamental laws and principles for linear circuits whose elements consist of passive and active components used in present day practice. Determination of the sinusoidal steady state responses using the algebra of complex numbers.

**PHY 349 Applied Learning in Physics. (1-8)**

A. Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours: eight, associate; sixteen, baccalaureate. Hours earned in PHY 349 will not apply toward a physics major or minor.

**PHY 349 A-H Cooperative Study: Physics. (1-8) A.**

Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours: eight, associate; sixteen, baccalaureate. Hours earned in PHY 349 will not apply toward a physics major or minor.

**PHY 375 Thermodynamics. (3) A.**

Prerequisite: PHY 202. Prerequisite or Corequisite: MAT 224. Study of temperature, thermodynamic systems, ideal gases, first and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

**PHY 502 Physical Optics. (3) A.**

Prerequisite: PHY 202. Prerequisite or Corequisite: MAT 224. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction, lasers, holography.

**PHY 506 Physics for High School Teachers. (3) A.**

Credit given toward major or minor only in teaching programs. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab.

**PHY 510 Special Problems in Physics: \_\_\_\_\_.**

(1-6) A. Prerequisites: PHY 202 and departmental approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken to a maximum of six hours provided subject matter is different each time. Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

**PHY 520 Electricity and Magnetism. (4) A.**

Prerequisites: PHY 202 and MAT 225. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

**PHY 558 Classical Mechanics I. (3) A.**

Prerequisite: PHY 202. Prerequisite/Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics.

**PHY 559 Classical Mechanics II. (3) A.**

Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

**PHY 570 Quantum Mechanics. (3) A.**

Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems, interpretation of solutions and application to atomic and molecular problems.

PLS—Police Studies  
Dr. Carole Garrison, Chair

**PLS 101 Policing and Police Studies. (1) A.**

Orientation to the academic discipline of police studies and the occupational field of policing.

**PLS 103 Foundations of Policing. (3) I, II.**

Overview of police functions and responsibilities at the local, state, and federal levels. Police operations are examined relative to effectiveness in crime control, delivery of services, and maintenance of order.

**PLS 216 Criminal Law. (3) I, II.**

The nature of the criminal act, the essential elements: theories of responsibility; exculpatory matters; overview of common law offenses; identification of trends in the law.

**PLS 220 Criminal Investigation. (3) A.**

Fundamental of criminal investigation, crime scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, follow-up, case preparation and case management.

**PLS 315 Police Administration and Management. (3) I, II.**

Critically examines the theories of motivation, leadership, and organization in the police context. Police administrative and management functions studied emphasizing personnel management and organizational change.



**PLS 316 Criminal Evidence. (3) I, II.**

Overview of trial procedures; classification of evidence; proof; presumptions; relevance; eyewitness identification; testimonial privileges; character; hearsay; impeachment; scientific evidence; collection and preservation of evidence.

**PLS 320 Workshop in Law Enforcement. (1-3) A.**

Designed primarily for in-service law enforcement personnel; focuses on current problems, issues, and strategies in law enforcement. May be retaken to a maximum of six hours.

**PLS 326 Police, Liability, and Ethics. (3) A.**

Police conduct is examined relative to ethical and legal principles. Application of federal and state civil, criminal, and administrative law including civil rights issues.

**PLS 330 Topics in Police Studies. (1-6) A.**

Examination of a contemporary issue in policing including historical perspective, societal issues, present status, and future development. The police response to a specific problem is the core of this course. Course may be taken for a maximum of six hours under different headings.

**PLS 349 Applied Learning in Police**

**Administration. (1-8) A.** Prerequisite: departmental approval. Work under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PLS 349 and 424 can be applied toward the PLS major or minor.

**PLS 349 A-II Cooperative Study: Police**

**Administration. (1-8) A.** Prerequisite: departmental approval. Work under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PLS 349 and 424 can be applied toward the PLS major or minor.

**PLS 375 Terrorism/Counterterrorism. (3)**

**A.** A study of domestic, foreign, and transnational terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined. Credit will not be awarded to students who have credit for APS 375.

**PLS 390 Predatory Crime and Crime**

**Patterns. (3) A.** Examination of selected crime categories including predatory street, conventional property, and sex crimes. Areas of concentration include theoretical and ecological characteristics, victim-offender relationships, and crime patterns emphasizing police responses.

**PLS 403 Homicide. (3) A.**

Explore current theoretical, philosophical and empirical literature associated with homicide. Content includes descriptive, theoretical, empirical, and practical explanations of criminal homicide patterns. Included will be an examination of death investigation systems and police responses.

**PLS 408 Police Technology. (3) I, II.**

This course provides an overview of technology and its sociological, economic, political, ethical and psychological implications. The emphasis is on policing, including the use of technology in police administration, standard and special operations, and investigations.

**PLS 410 Human Relations in Policing. (3)**

**A.** Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

**PLS 415 Contemporary Police Strategies.**

**(3) A.** Prerequisite: senior standing. Review of contemporary police issues, programs, and strategies. Detailed analysis and evaluation of police practices, including impact on the relationship between the police and the community. Assessment of police reform measures and accountability mechanism.

**PLS 416 Criminal Procedure. (3) A.**

Prerequisite: PLS 216 or instructor approval. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decisions.

**PLS 424 Field Experience. (3-12) A.**

Prerequisites: instructor and departmental approval. Maximum of 12 semester hours. Designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions). A maximum of three hours of PLS 424 and PLS 349 can be applied toward the PLS major or minor.

**PLS 426 Federal Criminal Law. (3) A.**

Prerequisites: PLS 216 and 316. An examination of the federal criminal law enforcement system with a focus on substantive offenses. In addition to specific crimes, the basis of federal jurisdiction will be studied.

**PLS 460 Independent Study. (1-3) A.**

Prerequisite: departmental approval. Individual study and/or research on a problem relating to police studies. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**POL—Political Science**

**Dr. JoAnn Ewalt, Interim Chair**

Note: POL courses are grouped as follows according to the below listed middle digits of the course numbers. For example, POL 210 is a comparative government course

- 0 Special topics
- 1 Comparative Government
- 2 International Relations
- 3 American (State & Local)
- 4 American Political Process
- 5 Theory
- 6 Judicial Process
- 7 Public Administration
- 8 Methodology
- 9 Practicums, Internships, and Independent Study

**POL 100 Principles of Politics and Government. (3) I, II.** An introductory social science course focusing on the political and governmental aspects of societies. Does not count toward political science major requirements. Gen. Ed. 09.

**POL 101 Introduction to American**

**Government. (3) I, II.** Principles, functions, and basic political institutions of the American system of government at the national level. Gen. Ed. 12.

**POL 201 Short Topics in Political Science.**

**(1-3) A.** A maximum of three short topics offered during any semester. The student may take any or all topics. May be retaken to a maximum of six hours when topics vary. For those qualified high school students enrolled in the topic "A Kentucky Locality" the grade of "IP" may be given.

**POL 210 Political Development: Developing Societies. (3) I, II.** Examination of the historical, cultural, social and economic influences on the political development of developing nations and regions. Gen. Ed. 10.

**POL 211 Political Development:**

**Industrialized and Post-Industrial Societies. (3) I, II.** Examination of the historical, cultural, social and economic influences on the political development of industrialized and post-industrialized societies. Gen. Ed. 11.

**POL 220 Introduction to International**

**Relations. (3) I, II.** The study of the political interactions of countries and the relationship of politics to economics, the environment, technology, culture and society on a global level. Gen. Ed. 12.

**POL 280 Research and Writing in Political Science. (3) A.** Prerequisite: majors, minors, or instructor approval. Practical application of techniques and methods used in collection, analysis, and written presentation of political data.

**POL 300 Contemporary Political**

**Problems. (3) I, II.** Application of the skills of citizenship to problems of contemporary politics.

Designed to increase the students' political awareness and ability to function politically in contemporary society. Gen. Ed. 12.

**POL 305 Computers and Society. (3) A.**

Cross listed as CSC 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not be awarded to students who have credit for CSC 305 or SOC 305.

**POL 310 Latin American Governments. (3)**

**A.** A study of the political institutions and issues facing the people and governments of Latin America.

**POL 312 Politics in China. (3) A.**

Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China.

**POL 313 Politics of Japan. (3) A.**

Examination of Japan's political development, government institutions, public policies and foreign relations.

**POL 315 European Politics. (3) A.**

Examination of the politics and public policies of the European Union and selected European countries.

**POL 316 Politics in Russia. (3) A.**

Nature and development of Russia's political system since the end of the USSR and fall of communism; impact of the Soviet era; development of political parties and civil society; superpresidentialism; nationalism; federalism and ethnic politics.

**POL 321 American Foreign Policy. (3) II.**

Prerequisite: three hours of POL or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

**POL 325 International Security Affairs. (3)**

**I.** Analysis of major problems of national/international security; the role of military power and arms control in the nuclear era, with emphasis on military-security policies of great powers.

**POL 327 International Law and**

**Organization. (3) A.** Prerequisite: three hours of POL or instructor approval. Analysis of the development of the U.N.: functional and regional approaches to peace, security, economic cooperation, social welfare, and law in international relations.

**POL 331 Urban Politics. (3) A.**

Political processes of urban areas including comparisons of alternative structures of urban and other local government.

**POL 332 Kentucky Government and**

**Politics. (3) I, II.** An overview of the Kentucky political system: major institutions, processes and political leaders, with emphasis on recent events and developments. Credit will not be awarded to students who have credit for POL 497B.

**POL 333 American State and Local**

**Government. (3) A.** Study of the institutions and processes of government of the fifty states and of cities and counties.

**POL 340 American Politics: Parties, Public Opinion, and Pressure Groups. (3) A.** Informal political institutions of American government: functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

**POL 341 The Legislative Process: Congress and State Legislatures. (3) A.** A systematic examination of the decision-making process in Congress and state legislature.

**POL 342 The American Chief Executive:**

**President and Governor. (3) A.** An examination of the power and functions of the offices of the President and governor. Recent developments affecting the American President will be emphasized.

**POL 345 Minority Group Politics. (3) A.**

Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

**POL 347 Politics and Religion in the U.S.** (3) A. Interaction of government, politics, and religion in the U.S.: role of Supreme Court and Constitution in defining church-state separation and religious freedom; religious organizations as pressure groups; religion in electoral politics and foreign policy-making; religion and public schools.

**POL 349 Applied Learning in Political Science.** (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this major. No more than three hours may count toward this minor.

**POL 349 A-H Cooperative Study: Political Science.** (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this minor. No more than three hours may count toward this minor.

**POL 357 American Political Thought.** (3) A. Study of the political philosophy and values that have shaped the American political system. Emphasis given to problems in democratic theory and to competing ideologies within the American political system.

**POL 360 Judicial Process.** (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

**POL 370 Introduction to Public Administration.** (3) A. Survey of organization, authority, decision-making, intra-organization communications, and application of principles of the American bureaucracy by case studies.

**POL 371 Administration of Social Services and Agencies.** (3) A. Examination of the political and administrative problems in public and not-for-profit agencies and a survey of management tools available to those responsible for the delivery of social services.

**POL 373 Politics of Development in Appalachia.** (3) A. This course examines community and economic development in the Appalachian region with special emphasis on Kentucky. Focus will be on the political, economic and social aspects affecting development.

**POL 374 Introduction to Public Policy.** (3) A. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might be covered include, energy, housing, environmental quality, and social services.

**POL 376 Public Personnel Policy.** (3) A. Overview of institutions, policies, and practices for utilization of human resources in government. Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, public sector efficiency.

**POL 377 Public Budgeting.** (3) A. The political consideration of budget formulation, budget strategy, and budget execution. An analysis of the role of taxes, spending, program evaluation, and planning in the budgeting process at the federal, state, and local levels.

**POL 405 Special Topics in Political Science.** (3) A. Exploration of a particular topic; theorist, institution, process, policy, writings, or their combinations. Prerequisites set by the department. May be retaken to a maximum of six hours provided subject matter is different each time.

**POL 410 Studies in Comparative Government and Politics.** (3) A. Prerequisite: three hours of POL or departmental approval. Study of selected country, region, or a cross-national study of a political institution (e.g. Executives, Political Parties, Legislatures). May be retaken to a maximum of nine hours provided the subject matter differs each time.

**POL 415 Terrorism and Political Violence.** (3) A. Examines terrorism and political violence as causes and consequences of cultural, social and political change.

**POL 417 Ex-Communist States in Transition.** (3) A. Revolutions and ongoing changes in selected former Communist states of east/central and south/central Europe and Eurasia; new political and governmental institutions; ethnic politics; shifting alliances and enmities, forms of cooperation, and regional groupings.

**POL 421 The U.S. and Latin America.** (3) A. Examines U.S. foreign policy in Latin America and the Caribbean; Latin American foreign policies; key hemispheric issues such as the war on drugs, immigration, foreign aid, and trade.

**POL 440 Voting Behavior.** (3) A. Survey of recent literature in the field of voting behavior in the U.S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

**POL 446 The Politics of Sex.** (3) A. The effect of sex on social and political institutions, public policies, and court rulings. Issues may include pornography, sexual and gender discrimination, domestic violence, reproductive rights and gay rights.

**POL 451 Principles and Politics of Human Rights.** (3) A. Examines politics of human rights in theory and in practice.

**POL 460 Law and Society.** (3) A. Sources, nature, function, and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy.

**POL 463 Constitutional Politics.** (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context.

**POL 464 Law and Politics of Civil Liberties.** (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context.

**POL 466A Mock Trial (2) I.** Prerequisite: departmental approval. Preparation of Mock Trial Competitions. Students will develop cases for presentation including preparing opening and closing arguments, introducing testimonial, physical and demonstrative evidence, and conducting direct and cross examination of witnesses. May be retaken to a maximum of 8 hours, only 2 of which may be counted toward the political science major and only 1 may be counted toward the political science minor. May not be counted toward the American Politics/Public Administration distribution requirement for Political Science majors.

**POL 466B Mock Trial (2) II.** Prerequisite: POL 466A and departmental approval. Preparation of Mock Trial Competitions. Students will develop cases for presentation including opening and closing arguments, introducing testimonial, physical, and demonstrative evidence, and conducting direct and cross examination of witnesses. May be retaken to a maximum of 8 hours, only 4 of which may be counted toward the political science major and only 2 may be counted toward the political science minor. May be counted toward the American Politics/Public Administration distribution requirement of Political Science majors.

**POL 490 Independent Work in Political Science.** (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be retaken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

**POL 495 Practicum in Political Science.** (1-3) A. Supervised field study program. May be retaken to a maximum of six hours, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

**POL 495A Practicum in American Political Process.** (1-3) A.

**POL 495B Practicum in Comparative Politics and International Relations.** (1-3) A.

**POL 496A Washington Internship.** (6-12) A. Prerequisite: junior or senior standing with 2.5 GPA. Supervised internship with government or private agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite.

**POL 496B Washington Seminar.** (3) A. Corequisite: POL 496A. Seminar on selected topics in national government.

**POL 496C Washington Forum.** (3) A. Corequisite: POL 496A and POL 496B. Seminar on selected topics in national government.

**POL 497 Kentucky Administrative Intern Program.** (18) A. Prerequisites: junior or senior standing with a cumulative GPA of 2.6 or better (on a 4.0 scale). Enrollment is by invitation only and limited to a maximum of 18 hours.

**POL 497A Internship in State Government.** (3-9) A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship. May be retaken to a maximum of nine hours.

**POL 497B Selected Topics in Administration of Kentucky State Government.** (3-12) A. Seminar on various topics on the administration of Kentucky state government which support and constitute an essential part of the Kentucky Administrative Intern Program. May be retaken to a maximum of 12 hours provided the topics vary. Credit will not be awarded to students who have credit for POL 332.

**POL 498 Kentucky Legislative Internship Program.** (0) A. Prerequisites: junior or senior standing with a cumulative GPA of 2.8 or better (on a 4.0 scale) and a definite interest in the legislative process in the Commonwealth. Enrollment is by invitation only and limited to a maximum of 15 hours by registering for POL 408A and 408B.

**POL 498A Legislative Internship.** (3-9) A. Each intern's performance in his or her legislative assignment will be evaluated by the immediate supervisor in consultation with the campus coordinator. May be retaken to a maximum of nine hours.

**POL 498B Selected Topics in Kentucky Legislative Process.** (3-9) A. Seminar on various topics on the legislative process in the Commonwealth which support and constitute an essential part of the Kentucky Legislative Internship Program. May be retaken to a maximum of nine hours.

**POL 498C Legislative Forum.** (3) A. Corequisite: POL 498A and POL 498B. Seminar on selected topics in state government.

**POL 517 Politics and Social Change.** (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and the broader social change. Emphasis on political phenomena especially suited to comparative study.

**POL 521 Contemporary International Relations.** (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

**POL 525 Problems in International Relations.** (3) A. Explores major problems in international relations. Covers various areas of the world with reference to significant factors and problems of the people.

**POL 533 Seminar In State and Local Politics.** (3) A. A topical analysis of the institutions, policies, and administration of American state and local government. May be retaken to a total of six hours credit, provided subject matter differs each time.

**POL 541 Politics and Education.** (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.



**POL 551 Classical and Medieval Political Theory.** (3) A. Cross-listed as PHI 551. Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for PHI 551.

**POL 552 Modern Political Theory.** (3) A. Cross-listed as PHI 552. Examination of Western political theory from the Renaissance to the mid-twentieth century. Credit will not be awarded to students who have credit for PHI 552.

**POL 553 Contemporary Political Theory.** (3) A. Cross-listed as PHI 553. Examination of Western political thought from the mid-twentieth century to the present. Credit will not be awarded to students who have credit for PHI 553.

**POL 565 Administrative Law.** (3) A. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action.

**POR—Portuguese**  
Dr. Jose L. Varela, Chair

**POR 501 Accelerated Elementary Portuguese I.** (3) A. Prerequisites: upper division standing and 200 level in a Romance language. Fundamentals of the Portuguese language taught in a cultural context. Gen. Ed. 03, 04, 07, or 08.

**POR 502 Accelerated Elementary Portuguese II.** (3) A. Prerequisite: POR 501 or equivalent proficiency in Portuguese with department chair approval. Composition, conversation, and reading in Luso-Brazilian studies. Gen. Ed. 03, 04, 07 or 08.

**POR 595 Independent Work in Portuguese.** (1-3) A. Prerequisites: POR 501 or equivalent with department chair approval. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**PSY—Psychology**  
Dr. Robert Brubaker, Acting Chair

**PSY 200 Introduction to Psychology.** (3) I, II. A survey of the major content areas and methods of psychology, including history, biological correlates, cognition, language, intelligence, motivation, emotion, development, personality, abnormal, therapy, and social behavior.

**PSY 280 Life Span Developmental Psychology.** (3) I, II. Prerequisite: PSY 200. A survey of theory and research in developmental psychology across the entire life span. May not be applied to the Psychology major.

**PSY 291 Psychology: Statistical-Experimental I.** (4) I, II. Cross listed: HEA 450. Prerequisite: MAT 105 or 106 with a grade of C or better or any MAT course above 106, PSY 200 or departmental approval. Introduction to techniques and problems of the experimental method and statistical analysis in psychology. Representative experiments and data analysis will be discussed. Credit will not be awarded to students who have credit for HEA 450.

**PSY 300 Social Psychology.** (3) A. Prerequisite: PSY 200. Study of contemporary institutions and problems such as prejudice, affection, love, altruism, aggression, and small group behavior. Contemporary research and theory will be discussed. Gen. Ed. 12.

**PSY 301 Psychology: Statistical-Experimental II.** (3) A. Prerequisite: PSY 291 with a grade of "C" or better. Continuation of PSY 291.

**PSY 305 Psychology of Personality.** (3) A. Prerequisite: PSY 200. Basic approaches to the study of personality. Theory and fact upon which

these approaches are based are related to various kinds of behavior patterns.

**PSY 308 Abnormal Psychology.** (3) A. Prerequisite: PSY 200. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions.

**PSY 311 Physiological Psychology.** (3) A. Prerequisites: PSY 200 and PSY 291, or departmental approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems undergoing study.

**PSY 312 Infant and Child Development.** (3) A. Prerequisite: PSY 200. Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning.

**PSY 313 Learning.** (3) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning.

**PSY 314 Adolescent and Adult Development.** (3) A. Prerequisite: PSY 200. Survey of biological, psychological, social, cognitive, and historical influences on adolescent and adult development.

**PSY 315 Sensation and Perception.** (3) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world.

**PSY 315L Sensation and Perception with Lab.** (4) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world 3 Lec/2 Lab.

**PSY 316 Aging and Senescence.** (3) A. Prerequisite: PSY 200. Theory and facts about aging changes in sensory processes, intellect, memory, personality, family and psychopathology.

**PSY 317 Cognitive Psychology.** (3) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills.

**PSY 317L Cognitive Psychology with Lab.** (4) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills. 3 Lec/2 Lab.

**PSY 319 Industrial/Organizational Psychology.** (3) A. Prerequisites: PSY 200 and PSY 291 or departmental approval. Principles of psychology as applied to industry, business, and organizations. Course will focus on the individual employee, the job, the organization, and the work environment.

**PSY 349 Applied Learning in Psychology.** (1-8) A. Prerequisite: 15 hours in PSY. Work in placements related to academic studies. A minimum of 80 hours employment required for each semester hour credit. Two hours may be applied toward the major, not applicable toward a minor. Graded Satisfactory/Unsatisfactory.

**PSY 349 A-H Cooperative Study: Psychology.** (1-8) A. Prerequisite: 15 hours in PSY. Work in placements related to academic studies. A minimum of 80 hours employment required for each semester hour credit. Two hours may be applied toward the major, not applicable toward a minor. Graded Satisfactory/Unsatisfactory.

**PSY 355 Affection and Aggression.** (3) A. Prerequisite: PSY 200. Theoretical and research perspectives on the topics of attachment, bonding, liking, love and sexuality. Also an exploration of the

theories and empirical findings in the domains of aggression and violence.

**PSY 358 Beyond an Undergraduate Degree.** (1) A. Prerequisite: PSY 291 or departmental approval. Designed to aid qualified psychology majors to identify and attain professional career goals.

**PSY 400 Senior Seminar.** \_\_\_\_\_. (3) A. Prerequisite: Completion of PSY 301 and any three of the five area requirements. The senior seminar examines contemporary psychological issues from each of the five core perspectives. Issues vary from semester to semester. May be retaken once, provided the subject matter differs each time.

**PSY 401 Senior Thesis.** (3) I, II. Prerequisite: PSY 301 or instructor approval. Design, execution, and writing of a supervised independent research project.

**PSY 404 Environmental Psychology.** (3) I, II. Prerequisites: PSY 300 and PSY 291 or departmental approval. Study of ways in which people are influenced by their physical and social environments. Issues covered include lighting, noise, temperature, privacy, crowding, and way-finding.

**PSY 405 Psychological Interviewing and Reporting.** (3) A. Prerequisite: 12 hours in PSY. Principles and techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

**PSY 406 Introduction to Behavior Therapy.** (3) A. Prerequisite: 12 hours in PSY. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

**PSY 407 Problems in Psychology.** (1-3) I, II. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Results must be presented in a formal paper. May be retaken to a maximum of six hours provided different problems are studied.

**PSY 408 Child Psychopathology.** (3) A. Prerequisites: PSY 308, and PSY 280 or PSY 312; or instructor approval. Descriptive study of behavior disorders in children, with attention to symptoms or behavioral patterns, etiological influences, relevant research, theoretical underpinnings, and approaches to assessment and intervention.

**PSY 410 Health Psychology.** (3) I, II. Prerequisite: PSY 200 or departmental approval. Theoretical and research perspectives on the relationship between psychological factors and health. Emphasis on utilizing psychological principles and methodology to understand and change illness and health behaviors.

**PSY 411 Psychology in the Legal Process.** (3) A. Prerequisites: PSY 200 and PSY 300 or departmental approval. Course covers the area of research that applies psychological theory and research to the legal arena. Course touches on juries' perception of trial events, the role of psychologists in the legal arena, and the psychology of eyewitness testimony.

**PSY 420 The Psychology of Women.** (3) A. Prerequisite: PSY 200. Psychological theory and research about important facets of girls' and women's lives from birth through old age.

**PSY 449 Cooperative Study Literature Review.** (1) A. Prerequisite: PSY 291. Prerequisite or Corequisite: PSY 349. Critical topical review of literature relevant to the PSY 349 placement.

**PSY 479 History and Systems of Psychology.** (3) A. Prerequisite: PSY 200. A survey of the history of psychology and its various schools of thought and approaches to the study of behavior and mental processes.

**PSY 490 Clinical Psychology.** (3) A. Prerequisite: PSY 200. Survey of clinical theories, methods, and approaches



**PSY 497 Topics in Psychology:** \_\_\_\_\_. (3) A. Prerequisites: PSY 200, plus nine hours of PSY. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time.

**PSY 590 Tests and Measurements.** (3) A. Prerequisites: PSY 200 and PSY 291. Study of measurement principles with application in psychology, business, industry, and government. Interpretation, use, and evaluation of measurement and job analysis methods. Reliability, validity, utility, ethical/legal concerns are examined.

**PSY 597 Advanced Topics in Psychology:** \_\_\_\_\_. (3) A. Prerequisite: PSY 200 or departmental approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

**PUB—Public Relations**  
**Dr. Renee Everett, Chair**

**PUB 340 PR Event Planning & Management.** (3) A. Hands-on experience identifying a public relations goal and supporting it with a special event. Also includes specific planning procedures, communication methods and evaluation procedures.

**PUB 349 Applied Learning in Public Relations.** (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

**PUB 349 A-H Cooperative Study: Public Relations.** (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

**PUB 375 Public Relations Principles.** (3) I, II. Survey of principles and practices in disseminating information to internal and external audiences in business, industrial, educational, social and government agencies.

**PUB 378 Public Relations Practicum.** (1-3) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be taken to a maximum of three hours.

**PUB 380 Public Relations Writing.** (3) I, II. Prerequisites: COM 201 and PUB 375. Practice in public relations planning and writing for publications, media releases and other mass media materials for the public and special interest groups, including institutions, governments, and other organizations. Also includes writing in business formats.

**PUB 475 Advanced Public Relations.** (3) A. Prerequisite: PUB 380. Emphasizes a management approach and application of the four-step PR process to solving public relations problems through planning, design, and production of print, audiovisual, and broadcast materials used in public relations. Includes public relations case studies and problems.

**PUB 490 Public Relations Campaigns.** (3) A. Prerequisites: any COM 320 A-I and PUB 475. Application of research, planning, strategies, and evaluations to a public relations campaign. Includes budgeting and scheduling of campaigns.

**PUB 520 Public Relations Practices in Management.** (3) A. A study of the role of public relations in benefiting organizational management.

This includes coordinating organizational goals with those of customers, clients, members or other related entities in corporate, government, non-profit and trade association meetings.

**PUB 530 Sports Information Programs.** (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information; news releases, publications programs, office and staff organization, time utilizations, news media and formats.

**QMB-- Quantitative Methods**  
**Dr. Jessica Johnson Frazier, Chair**

**QMB 200 Business Statistical I.** (3) I, II. Prerequisite: MAT 107 (or MAT 211) with a grade of "C-" or better. Business applications of probability, measures of central tendency, dispersion, sampling, correlation and hypothesis testing. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or EPY 842 or HEA 450 or PSY 291 or STA 215 or STA 270.

**QMB 240 Managerial Decision Models.** (3) I, II. Prerequisite: MAT 107 with a grade of "C-" or better. Introduction to quantitative decision methodology for business. Includes breakeven analysis for linear and nonlinear revenue and cost functions, analysis of project maximizing and cost minimizing output, inventory, peak cash, and other business analytical models. BBA degree candidates who complete MAT 211 with a "C-" or better are not required to take QMB 240.

**QMB 300 Business Statistics II.** (3) I, II. Prerequisite: QMB 200. Linear regression analysis with applications in various areas of business. Emphasizes the assumptions of The linear regression model, associated statistics, and applications. Credit will not be awarded to students who have credit for ECO 854 or EPY 843 or PSY 301 or STA 271 or STA 500 or ECO 320.

**REC—Recreation and Park Administration**  
**Dr. Charlie Everett, Acting Chair**

**REC 101 Leisure Services Careers.** (1) I, II. Introduction to the broad scope of careers and employment in recreation, parks, and leisure services organizations.

**REC 102 Introduction to Recreation Leadership.** (3) I, II. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities.

**REC 163 Fieldwork I.** (1) A. On-site observation and assistance within a recreation, park or leisure services agency. Observe and assist with recreation activities, programs and special events.

**REC 190 Challenge Course Introduction.** (1) A. Outdoor-based experiential focus using the EKU Challenge Course, climbing tower, and group initiatives.

**REC 200 Leisure Diversity and Culture.** (3) I, II. Examination of personal, philosophical, cultural diversity, economic, behavioral, and historical dimensions of play, recreation and leisure; evolution of leisure lifestyles; impact of leisure on the quality of life; and knowledge of professional roles.

**REC 225 Education for Leisure and Recreative Living.** (3) A. Comprehensive study of recreation services and leisure education; emphasis on leisure time skills, hobbies, avocations, and lifetime recreation; utilization of constructive leisure from youth to senior adults including the disabled person.

**REC 263 Fieldwork II.** (2) A. Prerequisite: REC 163. On-site practical experience in a recreation, park, or leisure services agency. Organize and lead recreation programs.

**REC 280 Programming Special Events.** (3) A. Introduction to the methods and techniques of delivering fairs, festivals and special events. Course

focuses on the principles and concepts of event planning, management, marketing, and evaluation.

**REC 290 Adventure Programming.** (3) A. A philosophy, history, and practical application of adventure programming using challenge course elements and activities.

**REC 311 Introduction to Therapeutic Recreation.** (3) I, II. An introductory course focusing on the disabled population, hard to reach youth, and incarcerated individuals. Modification of program activities, uses of community resources, habilitation and rehabilitation processes, resources and financing.

**REC 325 Camp Supervision.** (3) II. Supervision of camp programs, auxiliary services, and personnel.

**REC 349 Applied Learning in Recreation and Park Administration.** (1-8) A. Prerequisite: department chair approval. Agency supervised fieldwork course. Minimum of 80 clock hours for each academic credit. Students must register with the Cooperative Education Office.

**REC 349 A-II Cooperative Study: Recreation and Park Administration.** (1-8) A. Prerequisite: department chair approval. Agency supervised fieldwork course. Minimum of 80 clock hours for each academic credit. Students must register with the Cooperative Education Office.

**REC 350 Supervision of Recreation Personnel.** (3) A. Analysis of skills and techniques utilized in effective supervision of park, recreation, and leisure service personnel.

**REC 380 Natural Resource Tourism.** (3) A. Issues in understanding natural resource tourism, sustainability, tourism lifecycle, impacts associated with natural resource tourism, and effective management. Theoretical approaches, case studies and applications. Emphasis on student participation and discussion.

**REC 401 Management of Recreation Services.** (3) A. Management concepts and processes, organizational structure, policies, personnel, budget, and fiscal management, marketing and public relations, legal issues, and risk management.

**REC 406 Planning, Design, and Maintenance of Recreation Facilities.** (3) II. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

**REC 409 Independent Study.** (1-3) A. Prerequisite: for majors and minors only. Independent study of special topics through directed readings and research. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

**REC 410 Recreation Research & Evaluation.** (3) II. Assessment and evaluation of recreation needs, interests, and agency effectiveness. Research processes including marketing and budgeting as related to recreation services will be the focus of this course.

**REC 411 Therapeutic Recreation Services for the Senior Adult.** (3) I. Leisure problems, needs, assessments and etiology of the aging population. Basic terminology, organizations, programming, trends, resources, and facilities. Introduction to geriatrics.

**REC 450 Senior Seminar.** (3) I, II. Prerequisites: for majors only; enroll the semester immediately preceding REC 463. Introduction to the senior practicum and professional requirements. Study of trends in recreation practices. Development of a professional philosophy.

**REC 460 Advanced Leadership and Programming.** (3) I, II. Prerequisite: REC 102. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a seasonal program. 2 Lec/2 Lab.

**REC 463 Practicum. (12) A.** Prerequisites: 2.0 GPA; REC core and REC option courses. Placement in a recreation agency to lead and develop recreation programs, supervise personnel and facilities, and perform administrative duties. A minimum of 480 clock hours typically covering 12 or more weeks.

**REC 480 Resort Recreation Management. (3) A.** Prerequisite: REC 280. Investigation of the methods and techniques of resort recreation management, and its position within the tourism and hospitality industries. Examines customer service and marketing, international markets, human resources, and fiscal implications.

**REC 481 Research Methods in Tourism Study. (3) A.** Prerequisites: REC 280 and REC 380. Introduction to the methods and techniques of tourism research. Student competencies include understanding, interpreting, and applying research to tourism related services.

**REC 490 Challenge Course Management. (3) A.** Prerequisite: REC 290. Advanced leadership and facilitation techniques for challenge course management. Designed for individuals who have experience on challenge courses and need additional training.

**REC 511 Therapeutic Recreation Practices and Services. (3) I, II.** Interventions and utilization of terminology. Apply leadership skills, assistive technology, and programming applications. 2 Lec/2 Lab.

**REC 512 Management of Therapeutic Recreation Services. (3) I, II.** Prerequisite: for majors only. Management concepts applied to delivering therapeutic recreation services, and includes: documentation, activity analysis, assessment, liability, legislation, and standards of practice.

**REC 516 Outdoor Education. (3) I.** Designed to explore issues in outdoor education, teaching methods, programs and evaluation. The role of interpretation in enhancing visitor experiences and protecting natural resources will be discussed.

**REC 530 Park Management. (3) II.** Park purposes and operations with an emphasis on natural resources and visitor management. Concentration on design, resource conservation and preservation, public relations, and park policies.

**REC 590 Special Topics: \_\_\_\_\_. (1-3) A.** Identification and study of specialized techniques in recreation leadership, activity skills, operational methods, and services. May be retaken under different workshop title.

#### **REL—Religion** **Dr. Ron Messerich, Chair**

**REL 301 World Religions. (3) I, II.** Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them. Gen. Ed. 07.

**REL 305 Survey of the Old Testament. (3) I.** A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.

**REL 306 Survey of the New Testament. (3) II.** A study of the history of the New Testament times and an examination of the meanings and significance of the teachings of Jesus and the writings of the early Church.

**REL 315 History of Christian Thought. (3) A.** A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

**REL 335 Islam. (3) A.** A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

**REL 340 Religions of India. (3) A.** Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

**REL 345 Religions of China and Japan. (3) A.** Study of the major religions of China and Japan, including original Han, Confucianism, Cho Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism.

**REL 349 Applied Learning in Religion. (1-8) A.** Prerequisite: consult with department chair before enrolling. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**REL 349 A-H Cooperative Study: Religion. (1-8) A.** Prerequisite: consult with department chair before enrolling. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**REL 355 Religions of Africa. (3) A.** A study of traditional African religions and other religions in Africa.

**REL 370 Special Topics in Religion. (1-3) A.** Prerequisite: consult with department chair before enrolling. Intensive study of a selected topic or an important figure in religion. May be retaken to a maximum of fifteen hours if the topic is different.

**REL 495 Independent Work in Religion. (3) I, II.** Prerequisite: consult with department chair before enrolling. Individual study under the direction of an instructor on a special topic in religion. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

#### **RST—Real Estate** **Dr. Jessica Johnson Frazier, Chair**

**RST 110 Fundamentals of Real Estate for the Consumer. (3) I.** Introduction to the elements of real property ownership, law, and leasehold interests. Will not apply toward real estate major requirements.

**RST 130 Financing Real Estate for the Consumer. (3) II.** Methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. Will not apply toward real estate major.

**RST 240 Fundamentals of Real Estate Appraisal. (3) A.** Prerequisites: RST 110 and 130; real estate licensure; or instructor approval. Principles and techniques of real property valuation, with special emphasis on residential (1-4 family) properties. Will not apply toward real estate major requirements.

**RST 245 Applied Residential Appraisal. (3) A.** Prerequisites: RST 240 or 340. Applied residential property focusing on applications through examples and a continuing case study; Uniform Standards of Appraisal Practice (USPAP). May be chosen as a Real Estate elective by Real Estate majors.

**RST 310 Real Estate Principles. (3) I, II.** Prerequisite: MAT 105 or higher with a C- or better. Procedures involved in ownership and transfer of real property; laws governing real estate transactions.

**RST 320 Real Estate Law. (3) I.** Business person's point view of real estate instruments, property rights and liabilities, estates, and interest and liens.

**RST 325 Computer Applications in Real Estate. (3) II.** Prerequisite: FIN 300. Computer applications in the real estate business. Construction and use of spreadsheet and data base programs in the analysis of real estate finance and feasibility studies.

**RST 330 Real Estate Finance. (3) I.** Prerequisites: RST 310 and FIN 300; or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

**RST 349 Applied Learning in Real Estate. (1-3) A.** Prerequisites: junior, minimum 2.25 GPA, and BBA majors only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**RST 349 A-H Cooperative Study: Real Estate. (1-3) A.** Prerequisites: junior, minimum 2.25 GPA, and BBA majors only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

**RST 401 Appraisal of Real Property. (3) II.** Prerequisites: RST 310, 325, and 330; or instructor approval. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the value of real estate.

**RST 410 Income Property Valuation / Investment. (3) A.** Prerequisites: senior standing plus 15 hours RST including RST 401 or department approval. Real Estate income property cash flow statements and valuation; investment analysis and decisions; and Uniform Standards of Professional Appraisal Practice

**RST 450 Seminar in Real Estate. (1-3) A.** Selected topics of special contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

**RST 490 Special Problems in Real Estate. (1-3) A.** Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

#### **RUS—Russian** **Dr. Jose L. Varela, Chair**

**RUS 101 Conversational Russian I. (3) I, II.** The basic structure and grammar of Russian taught in a cultural context with an emphasis on pronunciation and conversation. Gen. Ed. 03 or 04.

**RUS 102 Conversational Russian II. (3) A.** Recommended: RUS 101 or equivalent proficiency. Continuation of RUS 101. Gen. Ed. 03 or 04.

**RUS 201 Intermediate Russian I. (3) A.** Recommended: RUS 102 or equivalent proficiency. Continuation of RUS 102. Gen. Ed. 03, 04, 07, or 08.

**RUS 202 Intermediate Russian II. (3) A.** Recommended: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the four basic skills: reading, speaking, writing, and aural comprehension. Gen. Ed. 03, 04, 07, or 08.

#### **SCI—Science** **Dr. Alan Schick, Acting Chair**

**SCI 098 General Science. (3) I, II.** Prerequisite: MAT 090 or MAT ACT of 16 or higher. An interdisciplinary course to strengthen science reasoning skills and meet the PCC science deficiency. It incorporates the study of basic scientific principles and concepts drawn from the physical, life, and earth space sciences. 2 Lec @ 2 Lab. This course does not count toward graduation.

**SCI 310 History of Science. (3) I, II.** The development of scientific concepts through the ages; contribution of science to civilization, philosophy of science; biographical sketches. Gen. Ed. 15 or 16.



**SED—Special Education****Dr. Kathryn Polmanteer, Acting Chair**

**SED 090 Speech-Language Laboratory. (3)**  
**I, II.** Clinical approach to communication problem(s). Instruction in proper use of speech mechanism. Individualized remediation of articulation, fluency, language, and/or voice problems. Concurrent enrollment in Speech-Language-Hearing Clinic may be required. Institutional credit; cannot be used toward graduation.

**SED 104 Special Education Introduction. (3)**  
**I, II, A.** Complete overview of major categories of exceptionalities and special education. Observations of special education services. Open to non-majors.

**SED 207 Topics in Special Education. (1-3)**  
**A.** Work related to current issues and topics in special education, special workshops, special seminars. May be retaken with a maximum of nine hours.

**SED 240 Communication Skills for Hearing Impaired. (3)**  
**I.** Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of a least 1,000 signs to enable communication with individuals who use total communication.

**SED 250 Phonetics. (3)**  
**I.** Prerequisite: Admission to CD program. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

**SED 260 Language and Speech Disorders of Exceptional Children. (3)**  
**I, II.** Acquisition of normal language and speech in our multi-cultural society. Identification and educational management of language and speech disorders in exceptional children.

**SED 273 Pre-practicum in Speech Pathology. (1)**  
**I.** Prerequisite: admission to CD program. Techniques of observation, report-writing, and supervised clinical observation of therapeutic or diagnostic services with communication-disordered individuals. Students must complete at least 25 clock hours by end of this semester.

**SED 275 Communication Disorders: A Survey. (3)**  
**I.** Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders.

**SED 285 Anatomy and Physiology of Speech and Hearing Mechanism. (3)**  
**I.** Prerequisite: admission to CD program. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonance, and articulation.

**SED 300 Best Practices, Issues, and Programming in Moderate and Severe Disabilities. (3)**  
**I, II.** Prerequisite: SED 104. Introduction to teaching students with MSD. Educational needs, issues, legal mandates, family concerns, and best practices for child focused inclusive school and community programs. Open to non-majors.

**SED 304 Assistive/Adaptive Technology. (3)**  
**I, A.** Prerequisite: SED 104. Classroom use and modification of microcomputer-based technology and assistive/adaptive devices. Integration of assistive technology into assessments, IEPs, lesson plans, education activities, and daily routines. Educational applications of telecommunications and hyper-media. (2 Lab.)

**SED 337 Education of the Deaf and Hard of Hearing. (3)**  
**A.** Study of personality, intellectual, and emotional development of the deaf and hard of hearing. Emphasis on social maturity, motor functioning, multiple disabilities and the significant history of educational programs at all levels.

**SED 338 Language of the Deaf and Hard of Hearing. (3)**  
**A.** Prerequisite: SED 260 or instructor approval. Receptive and expressive conversational language development from a developmental perspective. Concepts in bilingual education applied to deaf students. Materials and

methods in assessing and facilitating receptive and expressive conversational language in informal and formal settings.

**SED 341 Behavior Management. (3)**  
**I, II.** Techniques of behavioral management of exceptional students in educational settings. Applied behavior analysis data collection, intervention, and reporting. Practical procedures for teaching new behaviors. Open to non-majors.

**SED 349 Applied Learning in Special Education. (1-8)**  
**A.** Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

**SED 349 A-H Cooperative Study: Special Education. (1-8)**  
**A.** Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

**SED 351 Special Educational Assessment. (3)**  
**I, II.** Prerequisite: SED 104. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

**SED 352 Special Education Early Childhood Assessment (3)**  
**II.** Prerequisite: SED 104. Formal and informal procedures for screening and assessing young children (0-5) with disabilities or at-risk conditions in physical, communication, cognitive, psychosocial and self-help areas.

**SED 353 Functional Assessment and Instructional Planning for Moderate and Severe Disabilities (3)**  
**A.** Prerequisite: SED 104.

Assessment for student centered planning and instruction. Transdisciplinary, developmental, functional, ecological, and performance-based assessment. Use of assessment data to develop IEPs, instructional programs, lesson plans, portfolios, and daily activities.

**SED 356 Special Education Methods and Materials. (3)**  
**I, II.** Prerequisites: introductory and assessment courses. Curriculum for exceptional individuals; instructional principles and methodology; development, implementation, and evaluation of validated educational programs and materials.

**SED 360 Normal Speech and Language Development. (3)**  
**II.** Normal speech and language acquisition as related to wholistic child development. Basic Linguistic concepts, theories, and language deviance/differences are studied. The relationship of family and culture in language development is explored.

**SED 365 Language Disorders: Assessment. (3)**  
**I.** Prerequisite: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

**SED 372 Methods and Materials in Communication Disorders. (3)**  
**II.** Prerequisites: SED 250 and 275. Overview of assessment and therapy methods for planning remediation services; management of therapy sessions; clinical policies and procedures; Code of Ethics; precautions for infectious disease control; development of therapy materials and oral mechanism examination kit.

**SED 373 Speech Pathology: Articulation. (3)**  
**II.** Prerequisites: SED 250 and 275. Characteristics and principles of diagnosis and treatment of articulation problems.

**SED 374 Practicum in Speech Pathology. (3)**  
**I.** Prerequisites: 25 hours of observation in communication disorders, SED 372 and 373, and overall 2.8 GPA, or instructor approval. Supervised

clinical practice in communication disorders. May be retaken to a maximum of six credit hours.

**SED 375 Practicum in Special Education. (3-6)**  
**I, II.** Prerequisite: LBD majors - admission to teacher education. Corequisites: SED 434, 435, or 436. A supervised practicum. Educational/developmental assessment, applied behavior analysis, IEP/IFSP. May be retaken to a maximum of nine hours credit for non-teaching majors.

**SED 380 Introduction to Clinical Audiology. (3)**  
**I, II.** Prerequisite: admission to CD program for CD students; CD admission policy does not apply to DHH students. Physics of sound; anatomy, physiology, pathologies of the auditory system; medical treatment. Introduction to basic audiological testing (pure-tone and speech).

**SED 401 Exceptional Learners in Inclusive Classrooms. (3)**  
**I, II.** Prerequisite: admission to teacher education. Principles for teaching and accommodating exceptional learners in educational settings. Instructional modifications and management across content areas. Collaboration to address exceptionalities/diversities. 10 field/clinical hours in special education and inclusive settings.

**SED 434 Prescriptive Programming for Learning and Behavior Disordered Children. (3)**  
**I, II.** Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized educational programs.

**SED 435 Systematic Instruction for Moderate and Severe Disabilities. (3)**  
**A.** Prerequisites: SED 300 and 341; Systematic instructional techniques, functional activity-based programming and community-based instruction. Ongoing evaluation and modification of student instruction. Methods and materials for implementing best practices across domains settings.

**SED 436 Early Childhood Intervention Programming. (3)**  
**I.** Developmental, family-focused intervention methods, materials and programs for young children (0-5) at-risk for or with disabilities. Curriculum design across physical, communication, cognitive, psychosocial and self-help areas. Planning, implementing, monitoring and evaluating IEP's/IFSP's.

**SED 464 Language Disorders: Intervention. (3)**  
**II.** Prerequisites: SED 360 and 365. Study of language impairment in children and principles for remediation.

**SED 465 Disorders of Fluency. (3)**  
**I.** Prerequisite: SED 275. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems across the life span.

**SED 474 Advanced Practicum in Speech Pathology. (3)**  
**II.** Prerequisites: Overall 2.8 GPA and SED 374, or instructor approval. Advanced supervised clinical practice in communication disorders. May be retaken to a maximum of six credit hours.

**SED 475 Voice Disorders. (3)**  
**I.** Prerequisites: SED 275 and 285. Lectures and selected readings in etiological perspectives of functional and organic voice disorders; assessment, classification, and treatment designs for vocal pathologies in children and adults.

**SED 485 Audiologic Evaluation. (3)**  
**II.** Prerequisite: SED 380. Principles of testing in pure-tone, immittance, speech threshold, sound discrimination, and masking. Techniques for interviewing, interpretation of results, and report writing. Procedures for calibration of audiometers.

**SED 486 Audiology Pre-practicum. (1)**  
**II.** Prerequisite: SED 380. Simulated experiences pertaining to methodology and use of equipment for audiological evaluation, interviewing, interpreting test results, and report writing.



**SED 487 Aural Rehabilitation. (3) I.**

Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; auditory, visual, tactile-kinesthetic perception; management of speech production; educational audiology; speech reading and auditory training; importance of parental participation.

**SED 488 Practicum in Audiology. (1) I, II.**

Prerequisites: Overall 2.8 GPA and SED 380, 485, and 486. Supervised clinical practice in audiology. May be retaken to a maximum of two credit hours.

**SED 499 Supervised Student Teaching in Special Education. (6-12) I, II.** Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

**SED 507 Problems in Special Education:**

\_\_\_\_\_, (1-3) A. Prerequisite: advisor/departamental approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

**SED 510 Assessment, Curriculum, Methods in Content Area for the Deaf and Hard of Hearing. (3) A.** Prerequisites: ASL 101 and SED 260 or 338. Basic types and properties of standardized norm-referenced, criterion-referenced, and informal tests used to assess the content area knowledge of deaf and hard of hearing students. Sample curricula and instructional strategies used in teaching deaf and hard of hearing students.

**SED 512 Computer Technology with Exceptional Populations. (3) I.** Prerequisites: completed College of Education computer literacy requirement and introductory course in special education, or instructor approval. Educational applications of computer technology with handicapped individuals, infants through adult. Identification, evaluation, and operation of software, hardware, and adaptive devices in accordance with ethical practices. (Lec/Lab)

**SED 518 Special Education in Early Childhood. (3) I, II.** Prerequisites: SED 104 or 575 and 260; or instructor approval. Overview of history, philosophy, legislation and services for young children (0-5) at-risk for or with disabilities, including impact and intervention across developmental domains.

**SED 520 Augmentative and Alternative Communication Systems. (3) A.** An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed.

**SED 522 Language Disorder of Students with Disabilities. (3) A.** Overview of Language Development and related speech and language disorders including introduction to intervention methodology.

**SED 541 School Services in Communication Disorders. (3) II.** Prerequisites: admission to teacher education, overall 2.8 GPA, and SED 273, 373, 374, and 464; or instructor approval. Organization and management of speech-language therapy services in the schools. (Lec/Lab)

**SED 545 Program Personnel Management. (3) I, A.** Prerequisite: SED 435 or 436. Corequisite: SED 375 or 499. Scheduling and management of systematic instruction, inclusion, transdisciplinary services, and transition activities. Working with parents, paraprofessionals, and professionals. Collaboration strategies, professional development skills, and records management.

**SED 571 Neural Bases of Communication. (3) I.** A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders.

**SED 572 Speech & Hearing Science. (3) II.** Study of the physics of sound, acoustic characteristics and processes, perceptual correlates, production of speech, and psychophysical processes of communication. Software applications and instrumentation are also covered.

**SED 574 Field Experiences with**

**Exceptional Learners. (3) A.** Prerequisite: departmental approval. A practicum experience with exceptional individuals. Emphasis is directed at behavior management, educational assessment, and IEP/IFSP.

**SED 575 Nature and Needs of Exceptional Students. (3) A.** Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

**SED 576 Introduction to Special Education Assessment. (3) A.** Prerequisites: SED 104 and SED 575 or 775. Principles of tests and measurements. Test administration, scoring, and interpretation applied to LBD, DHH, and MSD. Application of assessment data to interdisciplinary teams.

**SED 577 Dual Sensory Impairments and Communication. (3) A.** Prerequisite: SED 260. Assessment, planning, and instruction for students with dual sensory impairments and severe cognitive disabilities. Augmentative and alternative communication methods, materials, and devices. Milieu language strategies, symbolic and nonsymbolic communication in natural environments and daily activities.

**SED 578 Behavior Disorders. (3) A.** Open to non-majors. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches.

**SED 579 Learning Disabilities. (3) A.** Prerequisite: SED 575 or instructor approval. Definition and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies.

**SED 581 Speech for the Deaf and Hard of Hearing. (3) A.** Prerequisites: SED 260 and 338; or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

**SED 590 Applied Behavior Analysis (3) A.** Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

**SED 591 Instruction of Secondary Learning and Behavior Disordered Students. (3) A.** Prerequisites: SED 104 and 351; or instructor approval. Problems of students with learning and behavior disorders in secondary school settings. Programming and instructional alternatives for secondary level education. Planning for transition to work and community.

**SED 593 Teaching Students with Learning and Behavior Disorders. (3) A.** Prerequisites: SED 575, 576, 578, 579, or instructor approval. Individual Education Programs for LBD students, based on assessment information and in accordance with legal mandates and regulations. Curriculum designs, material, and program evaluation.

**SOC—Sociology**  
**Dr. Steven Savage, Chair**

**SOC 131 Introductory Sociology. (3) I, II.** Basic principles and concepts of sociology, including culture, personality, social structure, groups, social processes, and social change. Gen. Ed. 09.

**SOC 232 Introductory Sociological Analysis. (3) I, II.** Completion of SOC 131 is advised before taking SOC 232. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and table form.

**SOC 235 Social Problems. (3) I, II.** Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population, and poverty. The analysis includes the definition, causes, and consequences of social problems. Gen. Ed. 12.

**SOC 305 Computers and Society. (3) A.**

Cross listed as CSC 305 and POL 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not be awarded to students who have credit for CSC 305 or POL 305.

**SOC 310 The Sociology of Language Use. (3) A.**

Cross listed as ANT 310. Completion of ANT 120 or SOC 131 is advising before taking SOC 310. An examination of the variations and meanings of language use in social groups and the role of language in human interaction. Credit will not be awarded to students who have credit for ANT 310.

**SOC 313 Social Deviance. (3) A.**

Examination of the social and cultural setting of deviant behavior. Will include an examination of the process of becoming deviant as well as specific types of deviance such as suicide, drugs, sexual deviance, and mental disorders.

**SOC 320 Mind, Self, and Society. (3) A.**

Completion of SOC 131 is advised before taking SOC 320. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

**SOC 330 The Sociology of Education. (3)**

**A.** Overview of the foundational questions, issues and concerns surrounding public schooling including past, present and future reform initiatives. Students will explore the multifaceted functions, processes and outcomes of education from the perspectives of the individual, group, institution and society.

**SOC 340 Juvenile Delinquency. (3) A.**

Completion of SOC 131 is advised before taking SOC 340. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches and dealing with prediction, treatment, and control.

**SOC 345 Sociology of the Family. (3) A.**

Completion of SOC 131 is advised before taking SOC 345. Family as an institution in society; its relation to cultural transmission and personality development; its relation to the wider institutional structure of society. Credit will not be awarded to students who have credit for CDF 132.

**SOC 347 The Sociology of the**

**Underground Economy. (3) A.** Examination of the underground economy and the consequences of underground economic activity for society.

**SOC 350 Selected Topics in Sociology:**

(3) A. Completion of SOC 131 is advised before taking SOC 350. May be retaken to a maximum of nine hours provided the subject matter differs each time. Sample topics: Appalachian sociology; sexism and society; utopias.

**SOC 353 Sociology of Health and Illness.**

(3) A. Completion of SOC 131 is advised before taking SOC 353. Social and cultural dimensions of health and illness; analysis of mainstream and alternative health professions and medical facilities.

**SOC 360 The Community. (3) A.**

Completion of SOC 131 is advised before taking SOC 360. Characteristics of community relations in society; structure of and changes in community life; changing needs and resources of modern communities.

**SOC 363 Appalachian Images in Film and Song. (3) A.**

Completion of SOC 131 is advised before taking SOC 363. Media images of the Appalachian region and its people through film and music; the processes by which such images become produced and reproduced.

**SOC 365 Social Change in Appalachia. (3)**

**A.** Completion of SOC 131 is advised before taking SOC 365. Analysis of patterns of social change and development in an important area of the Southern United States, Central and Southern Appalachia. Emphasis will be placed upon competing theoretical perspectives and the importance of historical research.

**SOC 370 Religion in Appalachia.** (3) A. Completion of SOC 131 is advised before taking SOC 370. An examination of diversity and change in the religious beliefs, practices, groups, and organizations found in the Southern Appalachian Region.

**SOC 375 Criminology.** (3) A. Completion of SOC 131 is advised before taking SOC 375. Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime.

**SOC 395 Research Methods in Sociology.** (3) II. Completion of SOC 131 and 232 is advised before taking SOC 395. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data.

**SOC 399 Gender & Cross-Cultural Perspective & Society.** (3) A. Cross listed as ANT 399. Completion of ANT 120, 210, 211, or SOC 131 is advised before taking SOC 399. Consideration of cultural diversity in defining gender roles. Emphasis on the relationship between the social construction of gender and the experiences of women and men in traditional and contemporary societies. Credit will not be awarded to students who have credit for ANT 399.

**SOC 400 Racial and Ethnic Relations.** (3) A. Completion of SOC 131 is advised before taking SOC 400. Analysis of the development of racial and ethnic relations from the perspective of sociology and related social sciences. Examination of issues related to dominant and minority group status in the United States and cross-culturally.

**SOC 415 Social Gerontology.** (3) A. Cross listed as ANT 415. Completion of ANT 120, 210, 211, or SOC 131 is advised before taking SOC 415. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective. Credit will not be awarded to students who have credit for ANT 415.

**SOC 420 Social Organization.** (3) A. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

**SOC 450 Social Change.** (3) A. Prerequisite: six hours of SOC. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

**SOC 455 Collective Behavior.** (3) A. Prerequisite: six hours in SOC. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements; including a consideration of the development and termination of collective behavior forms.

**SOC 460 Sociological Theory I—Classical Writers.** (3) I. Prerequisite: nine hours in SOC. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built.

**SOC 461 Sociological Theory II—Contemporary Writers.** (3) II. Prerequisite: nine hours in SOC. Current state of sociological theories; recent formulations, controversies, and trends.

**SOC 463 Social Stratification.** (3) A. Prerequisite: six hours in SOC. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

**SOC 465 Demography.** (3) A. Methods of demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration.

**SOC 470 Seminar in Sociology.** (3) A. Prerequisite: nine hours in SOC. Systemic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

**SOC 590 Directed Study.** (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time. Directed study in sociology.

**SPA—Spanish**  
**Dr. Jose L. Varela, Chair**

**SPA 101 Conversational Spanish I.** (3) I, II. Prerequisite: all required developmental reading and writing courses. Beginning Spanish for students with little or no previous study of Spanish. Qualified students should enroll at a higher level. Emphasis is on the four essential skills of speaking, listening, reading, and writing in contemporary cultural contexts. Laboratory work is required. Gen. Ed. 03 or 04.

**SPA 101P Spanish Practicum I.** (1) I, II. Students who enroll in this course must be concurrently enrolled in SPA 101. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in SPA 101.

**SPA 102 Conversational Spanish II.** (3) I, II. Recommended: SPA 101 or equivalent proficiency (Students with three or four successful years of high school Spanish should begin their study in SPA 102, 105, or higher. Students entering SPA 102 by referral or placement will receive three hours credit for SPA 101 if they make an "A" in 102.) Continuing development of communicative skills taught in a contemporary cultural context. Laboratory work is required. Gen. Ed. 03 or 04.

**SPA 102P Spanish Practicum II.** (1) I, II. Students who enroll in this course must be concurrently enrolled in SPA 102. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in SPA 102.

**SPA 105 Spanish Honors.** (3, 6) A. Recommended: English ACT score of 28, or referral. Not open to students who have taken SPA 101 and/or 102. An intensive approach to the four essential skills of reading, writing, speaking, and listening. Students graded "A" or "B" will receive six hours credit for SPA 105; students receiving "C" or "D" will receive three hours credit for SPA 105 and must take SPA 102 before enrolling in SPA 201. Gen. Ed. 03 and/or 04.

**SPA 201 Intermediate Conversational Spanish I.** (3) I, II. Recommended: SPA 102 or equivalent proficiency. Development of more advanced skills for speaking, listening, reading, and writing in contemporary cultural contexts. Laboratory work required. Students entering SPA 201 by referral or placement receive six hours credit for SPA 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

**SPA 202 Intermediate Conversational Spanish II.** (3) I, II. Recommended: SPA 201 or equivalent proficiency. Development of more advanced skills for speaking, listening, reading, and writing, with increased emphasis on short readings, discussions, and compositions on cultural topics. Laboratory work required. Students entering SPA 202 by referral or placement receive nine hours credit for SPA 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed. 03, 04, 07, or 08.

**SPA 206 Conversational Fluency.** (3) A. Recommended: SPA 202 or equivalent proficiency (not open to native speakers). Active development of skills and strategies for functional fluency in Spanish in real cultural contexts. Gen. Ed. 03, 04, 07, or 08.

**SPA 295 Independent Work in Spanish.** (1-3) A. Prerequisite: SPA 202 or equivalent proficiency. May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair.

**SPA 301 Reading and Culture.** (3) A. Prerequisites: SPA 202 and SPA 206 or equivalent proficiency with department chair approval. Interactive discussion and writing on readings representative of Hispanic culture. Taught in Spanish.

**SPA 310 Topics in Spanish:** \_\_\_\_\_. (1-3) A. Prerequisite: SPA 202 or equivalent proficiency with department chair approval. May be retaken to a maximum of 6 hours if topic is different. Selected topics in Spanish language, literature, or culture.

**SPA 320 Business and Technical Spanish.** (3) A. Prerequisites: SPA 206 and 360, or equivalent proficiency with department chair approval. Provides opportunities to learn and use Spanish for business. Includes vocabulary for the social sciences and technical fields such as agriculture, industrial technology, law enforcement, and health care, as deemed relevant. Taught primarily in Spanish.

**SPA 349 Applied Learning in Spanish.** (1-8) A. Prerequisite: students must have successfully completed 15 hours of Spanish major courses or equivalent proficiency. In addition, transfer students must have completed one semester of full-time course work at ECU. Credit does not apply to general Spanish major or minor requirements. For multiple work experiences, please see 349 A-H Cooperative Study in Spanish. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

**SPA 349 A-H Cooperative Study: Spanish.** (1-8) A. Prerequisite: students must have successfully completed 15 hours of Spanish major courses or equivalent proficiency. In addition, transfer students must have completed one semester of full-time course work at ECU. Credit does not apply to general Spanish major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

**SPA 360 Topics in Grammar:** \_\_\_\_\_. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency with department chair approval. May be retaken to a maximum of 6 hours if content is different. Emphasis on improving the understanding and application of Spanish through study of selected components of Spanish grammar in a variety of written cultural contexts. Gen. Ed. 03, 04, 07, or 08.

**SPA 370 Conversation and Composition.** (3) A. Prerequisites: SPA 206 and SPA 360 or equivalent proficiency with department chair approval. Intensive practice in developing skills for effective oral and written communication in Spanish. Taught in Spanish. Gen. Ed. 03 or 04.

**SPA 380 Civilizations of Spain.** (3) I. Prerequisites: SPA 301 and 360, or equivalent proficiency with department chair approval. An exploration of Spain's intellectual, cultural, and historical development. Class conducted primarily in Spanish with Spanish texts in order to further development of reading, speaking, comprehension, and writing skills in Spanish.

**SPA 381 Civilizations of Latin America.** (3) II. Prerequisites: SPA 301 and 360, or equivalent proficiency with department chair approval. An exploration of Latin America's intellectual, cultural, and historical development. Class conducted primarily in Spanish with Spanish texts in order to further development of reading, speaking, comprehension, and writing skills in Spanish.

**SPA 401 Spanish Language Studies:** \_\_\_\_\_. (3) A. Prerequisite: SPA 360. A selected topic such as phonetics, phonology, semantics, syntax, or history of the language. May be retaken to a maximum of nine hours if content is different.

**SPA 405 Hispanic Literature and Culture I.** (3) A. Prerequisite: SPA 301 or equivalent proficiency with department chair approval. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America in their historical and cultural contexts from the Middle Ages to 1700. Taught in Spanish.



**SPA 406 Hispanic Literature and Culture II. (3) A.** Prerequisite: SPA 301 or equivalent proficiency with department chair approval. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America in their historical and cultural contexts in the 18th and 19th centuries. Taught in Spanish.

**SPA 407 Hispanic Literature and Culture III. (3) A.** Prerequisite: SPA 301 or equivalent proficiency with department chair approval. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America, in their historical and cultural contexts, in the 20th century. Taught in Spanish.

**SPA 495 Independent Work in Spanish. (1-3) A.** Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**SPA 572 Hispanic Literature. (3) A.** Prerequisites: SPA 301 and three hours from SPA 405, 406, or 407. Study of a selected literary topic. May be retaken to a maximum of nine hours if content is different.

**STA—Statistics**  
Dr. Patrick Costello, Acting Chair

**STA 215 Elementary Probability and Statistics. (3) I, II.** Prerequisite: completion of all University developmental requirements. Introduction to elementary concepts of probability, one and two sample estimation and hypothesis testing, linear correlation and regression, chi-square tests, introduction to analysis of variance, software analysis packages. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 270. Gen. Ed. 03 or 04.

**STA 270 Applied Statistics I. (3) I, II.** Prerequisite: MAT 107 or a minimum score of 23 on the mathematics portion of the ACT. Measures of central tendency and dispersion, frequency distributions, probability, sampling distributions, point and interval estimates, hypothesis testing, software analysis packages. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 215. Gen. Ed. 03 or 04.

**STA 320 Applied Statistics II. (3) II.** Prerequisite: STA 215 or 270 or CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Cross listed as ECO 320. Review of estimation and hypothesis testing, simple and multiple regression, model building, analysis of variance, contingency tables, elementary experimental design, classical time series analysis, nonparametric statistics and statistical software packages. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or PSY 301 or QMB 300 or STA 271 or STA 500.

**STA 349 Applied Learning in Statistics. (1-8) I, II; (1-6) SUMMER ONLY.** Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

**STA 349 A-II Cooperative Study: Statistics. (1-8) I, II; (1-6) SUMMER ONLY.** Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

**STA 370 Applied Probability. (3) I, II.** Prerequisite: MAT 124 or 124H or 211 or 224 or 224H or 225 or 225H or 261 and STA 270 or

departmental approval. Intuitive and axiomatic development of probability, set theory, counting techniques, conditional probability, Bayes Theorem, discrete distributions including univariate and bivariate cases, Markov Chains, and emphasis on applications.

**STA 375 Sampling Theory. (3) A.**

Prerequisite: STA 215 or 270 or 370 or CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Basic concepts of sampling theory, simple random sampling, stratified random sampling, cluster sampling, systematic sampling, ratio and regression estimation, applications to surveys, utilization of microcomputer statistical packages. Written and/or oral presentations required.

**STA 490 Seminar in \_\_\_\_\_. (1-3) A.**

Prerequisite: departmental approval. Topic announced at the time of offering. May be retaken to a maximum of 12 hours, provided the topics are different.

**STA 495 Independent Work. (1-3) A.**

Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

**STA 500 Applied Statistical Inference. (3) A.** Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance, software analysis packages. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or PSY 301 or QMB 300 or STA 271 or STA 320 or STA 521.

**STA 501 Nonparametric Statistics. (3) A.** Prerequisite: STA 215 or 270 or 500 or 700 or 575 or 775 or 521 or 721 or 585 or 785 or CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression, software analysis packages.

**STA 503 Statistics with Technology for P-9 Teachers. (3) A.** Topics in statistics appropriate for teachers of grades P-9. Credit does not apply toward B.S. or B.S. (teaching) degree requirements for programs offered within this department.

**STA 507 Seminar in Statistics: \_\_\_\_.**

(1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided that the topics are different. Credit toward degree requirements will depend on the course content.

**STA 520 Mathematical Statistics I. (3) I.** Prerequisites: MAT 224 or 224H or 225 or 225H; and STA 215 or 270 or 370 or CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Descriptive statistics, discrete and continuous probability distributions for one and two variables, functions of random variables, sampling distributions, expectations and generating functions.

**STA 521 Mathematical Statistics II. (3) II.** Prerequisites: STA 520 and MAT 214. A continuation of STA 520. Estimation theory, tests of hypothesis, linear regression and correlation, multiple linear regression, analysis of variance, allied topics. Credit will not be awarded to students who have credit for STA 500.

**STA 575 Statistical Methods Using SAS.**

(3) A. Prerequisite: STA 215 or 270 or 500 or 700 or 501 or 701 or 521 or 721 or 585 or 785 or CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Statistical methods focusing on the use of the SAS computer package and interpretation of data. Assumptions of parametric and nonparametric tests.

**STA 585 Experimental Design. (3) A.**

Prerequisites: STA 215 or 270 or 500 or 700 or 501 or 701 or 521 or 721 or 575 or 775 or CRJ 400 or ECO

220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200. Introduction to analysis of variance and experimental design including completely randomized designs; randomized blocks; Latin squares; factorial experiments; fixed, random, and mixed models; and nested-factorial experiments.

**SWK—Social Work**

Dr. Marlene Huff, Director

**SWK 210 Introduction to Social Work. (2) I, II.** Introduces philosophy, values, ethics, and processes of the social work profession; emphasizes the bases of Generalist practice theory; areas of practice; social justice and the role of violence in society.

**SWK 225 Human Behavior/Social Environment I. (3) I, II.** Prerequisites or Corequisites: SOC 131, PSY 200, and SWK 210. Bio-psycho-social perspective of human behavior and social interactions based on systems theory. Explores traditional and alternative paradigms of developmental life cycle and family interactions. Emphasis on developmental diversity in a multicultural society.

**SWK 310 Introduction to Social Welfare.**

(3) I, II. Prerequisites: POL 101 and SWK 210. History of social welfare, its role and relationship with other social institutions; structure and function of U.S. system compared to other national systems; inequitable distribution of resources, and its contribution to a violent environment.

**SWK 311 Social Welfare Services/Policies.**

(3) A. Prerequisite: SWK 310. Social problems, policies, and services in the areas of health and mental health care, aging, women's issues, and juvenile delinquency.

**SWK 331 Appalachia: A Cultural**

**Perspective. (3) A.** Cross listed as ANT 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of crosscultural helping. Credit will not be awarded to students who have credit for ANT 331.

**SWK 335 Human Behavior/ Social**

**Environment II. (3) I, II.** Prerequisite or Corequisite: SWK 225. Systems theory applied to the functioning of various size collectives and their impact on behavior within a cultural context. The impact of social oppression, social and economic injustices and the creation of cultural and institutional violence.

**SWK 350 Social Work Practice I. (3) I, II.**

Prerequisites: SWK 335 and SOC 232. Corequisite: SWK 354. Theoretical base for social work practice from a generalist perspective. Focuses on the social work process: problem identification; data collection and synthesis; assessment; planning and intervention; termination; and evaluation. Emphasis on multidimensional assessment and practice ethics.

**SWK 354 Practice Skills Laboratory. (1) I, II.**

Corequisite: SWK 350. Weekly two-hour laboratory. Focuses on interactional activities and exercises that foster the development of interviewing, data collection, and synthesis, assessment, and use of relationship skills.

**SWK 355 Social Work Practice II. (3) I, II.**

Prerequisites: SWK 350, 354, and SOC 232. Addresses the social work process with a focus on planning intervention, implementation, and evaluation of practice strategies. A weekly laboratory develops skills in these areas. Work with families and groups will be emphasized. 2 Lec/2 Lab.

**SWK 358 Child Abuse and Neglect. (3) A.**

Prerequisite: SWK 310 or departmental approval. Knowledge base for identification, risk determination and psycho-social assessment of child abuse, neglect and dependency situations. Explores service delivery, role of the court, and the impact of cultural and institutional violence.



**SWK 360 Social Work Practice III. (3) I, II.**  
Prerequisite: SWK 355 or coordinator approval. Social Work process and skills applied to assessment and intervention with networks, organizations, and communities. Emphasis on community research; program development and evaluation; grantsmanship; strategies to advance social justice and address institutional and cultural violence. 2 Lec/2 Lab.

**SWK 390 Field Experience in a Social Agency. (3) I, II.** Prerequisite: SWK 350. Eight hours per week in an agency, special community program, or project approved by Practicum Director plus 1 1/2 hour seminar. Applications of practice theory and process. Student must apply the previous semester. Majors only.

**SWK 410 Social Welfare Policy Practice. (3) I, II.** Prerequisites: SWK 311, SWK 355, and SWK 358. Dynamics of policy implementation at administrative, judicial, and legislative levels: policy analysis, formulation, modification, and evaluation; focus on policies that contribute to social injustices and policies that foster the creation, enhancement, or promotion of violence.

**SWK 450 Child Abuse Interventions. (3) A.**  
Prerequisite: SWK 358. Development of assessment, intervention, and prevention skills in child abuse and neglect. Focus is on public agency involvement.

**SWK 455 Selected Topics in Social Work. (1-3) A.** Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken to a maximum of six hours provided subject matter differs each time.

**SWK 456 Children's Services. (3) A.**  
Prerequisite: instructor approval. Critical appraisal of societal values of priorities underlying services to children. Examines range of services and skills used in social work practice with children; understanding psycho-social needs of children.

**SWK 457 Services for the Elderly. (3) A.**  
Prerequisite: instructor approval. Examines societal values relating to the elderly; psycho-social needs of the elderly; community-based and institutional services; and dynamics of working with the elderly and their families.

**SWK 458 AIDS and the Social Response. (2) A.** Cross listed as HEA 458. Prerequisites: SOC 131, PSY 202 and junior standing; or instructor approval. Psycho-social aspects of HIV infection. Exploration of methods of responding to and serving people with HIV. Development of population specific prevention strategies. Credit will not be awarded to students who have credit for HEA 458.

**SWK 490 Social Work Practicum. (12) I, II.**  
Prerequisites: GPA of 2.0 and completion of all other major requirements with a minimum grade of "C." Supervised practice in a social agency approved by Practicum Director. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement. Social work majors only.

**SWK 495 Directed Study. (1-3) A.** Student must have the independent study proposal form approved by faculty supervisor, program director, and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time.

**TEC—Technology, General**  
Dr. William E. Davis, Chair

**TEC 141 Elementary Woodworking. (3) I, II.** Basic instruction in the use of common hand tools, basic machine operations, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program within the department. 2 Lec/2 Lab.

**TEC 161 Computer Applications in Technology. (3) I, II.** A survey of computer systems and software applications currently used in technology related fields. 2 Lec/2 Lab.

**TEC 190 Technical Graphics. (3) I, II.**  
Shape and size description of objects using conventional projection techniques—multiview, axonometric, oblique, and perspective. Emphasis is placed on sketching with paper and pencil and with computers. 2 Lec/2 Lab.

**TEC 194 Architectural Graphic Methods. (3) I.** Graphic presentation methods used in architecture and interior design. Hardline drawings using standard drafting conventions and equipment. Emphasis on orthographic, axonometric (parallel), and perspective drawings. 2 Lec/2 Lab.

**TEC 255 Web Publishing. (3) I, A.**  
A study of preparing content for the World Wide Web that includes the use of professional level software. 2 Lec/2 Lab.

**TEC 309 Integrated Marketing Communications. (3) A.** Cross listed as MKT 309 and COM 309. A course covering the theories, strategies and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and the World Wide Web (WWW). Credit will not be awarded to students who have credit for MKT 309 or COM 309.

**TEC 313 Digital Photography. (3) A.**  
A study of current technology used to digitize traditional photographic images for use in computer application programs. This includes the acquisition of images from scanners, digital cameras and optical discs. 2 Lec/2 Lab.

**TEC 315 Photography. (3) A.** Emphasis on black and white film photography including use and care of equipment, exposure calculations and techniques and finishing. A 35mm camera with adjustable lens and shutter control is required. 2 Lec/2 Lab.

**TEC 322 Crafts for Children. (3) I, II.**  
Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials. 2 Lec/3 Lab.

**TEC 331 Casework Detailing. (3) I.**  
Prerequisites: DES 222 and INT 195. The planning and production requirements of architectural millwork and the drawings needed to describe its construction. The production of a complete set of working drawings for a casework piece will be required. 2 Lec/2 Lab.

**TEC 332 Product Design. (3) I, II.**  
Prerequisite: TEC 391. Elements of product design as it relates to materials, such as woods, metals, and plastics. Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas. 2 Lec/2 Lab.

**TEC 333 Special Problems in Technology. (1-6) I, II.** An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

**TEC 349 Applied Learning in Technology. (1-8) I, II.** Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**TEC 349 A-H Cooperative Study: Technology. (1-8) I, II.** Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**TEC 355 Web Animation. (3) II.**  
Prerequisites: TEC 255 and CSC 160. An advanced course in preparing content for the World Wide Web. Emphasis will be on style sheets and advanced

graphic formats that include vector animation, Portable Document Format files and streaming video. 2 Lec/2 Lab.

**TEC 368 Workshop in Technology. (1-4) A.** Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

**TEC 391 Technical Illustration. (3) I, II.**  
Prerequisite: TEC 190, 194 or CON 294. Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering and ink delineations. 2 Lec/2 Lab.

**TEC 394 Architectural Drawing I. (3) I, II.**  
Prerequisite: TEC 190, 194, or CON 294. Basic principles of house planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home. 2 Lec/2 Lab.

**TEC 491 Architectural CAD. (3) A.**  
Prerequisites: TEC 391 and 394. Characteristics and operation of a 3D AEC (architectural, engineering, and construction) computer application system. Topics include representation of 3D objects in computer graphics, features and commands of AEC systems, and applications in architectural drawing and rendering. 2 Lec/2 Lab.

**TEC 496 Architectural Drawing II. (3) I, II.**  
Prerequisite: TEC 394. Consideration of both residential and commercial buildings with an emphasis on structural design, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building. 2 Lec/2 Lab.

**TEC 501 Special Problems in Technology. (2-6) I, II.** An independent study course for exceptional upper division undergraduate students. Students must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

**TEC 533 Workshop in Technology. (1-4) A.** Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken if the topics are different.

**THE—Theatre Arts**  
Dr. Charlie Sweet, Acting Chair

James Moreton, Coordinator

**THE 100 Introduction to the Theatre. (3) I, II.** Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice. Analysis of plays. Attendance at selected play productions required. Gen. Ed. 07.

**THE 110 Stagecraft. (3) II.** Problems of stagecraft dealing with the scenic process—use of materials, construction and handling of scenery—and basic stage electricity. Lecture and lab.

**THE 130 Theatre Arts Practicum I. (1) I, II.** Study and practice of technical production through participation in departmental productions. May be retaken to a maximum of three hours.

**THE 135 Acting I. (3) I, II.** Investigation and practice of the fundamentals in the acting process. Course work will include physical and mental preparation for the actor, improvisation, and beginning scene work.

**THE 150 Improvement of Voice and Articulation. (3) A.** Basic theory and speech production; phonetic and vocal drills for improvement of voice and articulation; adapted to students' individual speech needs.

**THE 200 Theatrical Makeup. (2) A.** Techniques in application and design of stage makeup, both straight and character.

**THE 210 Advanced Stagecraft. (3) A.** Prerequisite: THE 110. A continuation of THE 110 with emphasis on lighting, sound, properties and stage management.

**THE 220 Costume Construction.** (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab.

**THE 235 Acting II.** (3) I. Prerequisite: THE 135. Study and practice in analysis, character development and rehearsal as related to scene study; emphasis on twentieth-century acting styles.

**THE 280 Acting for Musical Theatre.** (3) A. Prerequisite: THE 135. Study of Musical Theatre as an art form, and an examination of the acting process and how it applies to the musical genre; performance work is included.

**THE 285 Theatre Dance I.** (2) I, II. A beginning course in dance for the stage. Starting with basic work in ballet, jazz and musical theatre styles to develop strength and coordination. The class encompasses center floor work and dance combinations. May be retaken to a maximum of eight hours.

**THE 310 Scenic Design.** (3) A. Prerequisite: THE 110 or instructor approval. Principles of composition, scale, perspective, and color applied to the stage; production of ground plans, sketches, and models.

**THE 311 Stage Lighting.** (3) A. Prerequisite: THE 110 or instructor approval. Examination of theories of lighting with application to the stage, mixed media and dance. Consideration given to color principles, lighting instruments and control equipment. Lecture and lab.

**THE 320 Costume Design.** (3) A. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles.

**THE 330 Theatre Arts Practicum II.** (1) I, II. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of three hours.

**THE 335 Acting III.** (3) A. Prerequisites: THE 135; THE 235 or departmental approval. Advanced study and rehearsal in verse drama, concentrating on language and action analysis, and character development for performance; emphasis on Shakespearean scripts.

**THE 340 Audition Workshop.** (1) A. Prerequisite: instructor approval. Study and practice in theatrical auditioning, resume creation and actor's self-presentation; performance workshop in approach. May be retaken to a maximum of four hours.

**THE 341 Directing.** (3) A. Prerequisite: THE 235 or instructor approval. An introduction to the principles of play directing. Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures.

**THE 348 Touring Showcase.** (2) I. Creation, rehearsal and performance of theatre showcase for student recruitment in the region. Audition for enrollment is required. May be retaken to a maximum of eight hours.

**THE 349 Applied Learning in Theatre Arts.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**THE 349 A-II Cooperative Study: Theatre Arts.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

**THE 385 Theatre Dance II.** (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. May be retaken to a maximum of eight hours.

**THE 390 Theatre History I.** (3) I, A. Intensive examination of development of theatre from the Greeks to the French Renaissance. Gen. Ed. 07.

**THE 391 Theatre History II.** (3) II, A. Development of theatre from the English Restoration to the modern period. Gen. Ed. 07.

**THE 430 Dramatic Literature.** (3) A. Cross listed as ENG 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for ENG 430.

**THE 435 Acting IV.** (3) A. Prerequisites: THE 135; THE 235 or departmental approval. Advanced study and rehearsal in period styles. Practice in character analysis and technique for performance. Exact course content may vary with instructor or needs of students.

**THE 442 Independent Study in Play Direction.** (1-3) A. Prerequisites: THE 341 and departmental approval. Direction of a studio or major production under faculty guidance. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

**THE 490 Special Topics in Theatre Arts.** (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours, if the subject matter is different.

**THE 498 BFA Showcase.** (1) A. Prerequisite: last thirty hours of BFA program. Creation and presentation of a public presentation showcasing the student's work in theatre, music, and dance.

**THE 499 Independent Study in Theatre Arts.** (1-3) I, II. Prerequisite: departmental approval. Independent study in theatre production and research. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and program coordinator prior to enrollment.

**TRS—Traffic Safety**  
Dr. Raymond Ochs, Coordinator

**TRS 100 Trends in Loss Prevention.** (1) A. Study of the development of loss prevention countermeasures to solve safety problems. Educational efforts, law enforcement activities, regulatory programs, and engineering concepts that are presently utilized to reduce accidents and injuries are reviewed.

**TRS 103 Safety in Personal Transportation.** (2) A. Designed to survey the basic concept of safety; including the philosophy and concept of risk, countermeasures, accident proneness and safety instruction; experiences include a personal assessment of safety-related behavior emphasizing personal forms of transportation.

**TRS 233 Emergency and Defensive Driving Techniques.** (3) A. Instruction for drivers in defensive driving techniques and emergency or unusual driving situations. Classroom and practice driving instruction in vehicle handling techniques.

**TRS 234 Beginning Motorcycle Safety.** (3) A. Designed to develop in students the necessary concepts, principles, and competencies for use of two-wheeled motorized vehicles including minibikes, mopeds, and motorcycles. Motorcycles and helmets are provided.

**TRS 285 Introduction to Driver and Traffic Safety.** (3) A. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Exposure is provided to a multiple-phased driver education instruction program.

**TRS 322 Traffic Law Enforcement.** (3) A. A course designed to provide the principles and practices of traffic law enforcement.

**TRS 332 Traffic Crash Causation and Investigation.** (3) A. A study of the principles of traffic accident causation and techniques used in

investigation. Designed to increase the investigator's knowledge and understanding necessary for gathering factual information through investigation as opposed to reporting traffic accidents.

**TRS 342 Advanced Accident Investigation** (3) A. Prerequisite: TRS 332. Course designed to prepare participants in advanced traffic accident investigation methods and techniques.

**TRS 349 Applied Learning in Traffic Safety.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours per semester or summer. A minimum of 80 hours work required for each academic credit.

**TRS 349 A-II Cooperative Study: Traffic Safety.** (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours per semester or summer. A minimum of 80 hours work required for each academic credit.

**TRS 386 Methods and Educational Media in Driver and Traffic Safety.** (3) A. Designed to provide the competencies to organize and instruct driver education utilizing the multimedia system and the simulation system of instruction.

**TRS 407 Independent Study in Driver and Traffic Safety Education.** (1-6) A. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

**TRS 413 Current Developments in Driver and Traffic Safety.** (3) A. Current problems, issues, trends, and developments in traffic safety are reviewed, analyzed, and evaluated.

**TRS 487 Behavioral Approaches to Driver and Traffic Safety.** (3) A. Designed to study, analyze, and develop behavioral objectives applied to driving task instruction with study and evaluation of individualized learning approaches for programs in driver education.

**TRS 491 Special Topics: \_\_\_\_\_.** (1-3) A. Prerequisite: departmental approval. Intensive study of selected topics in traffic and driver safety. May be retaken under different topics to a maximum of six hours.

**TRS 588 Laboratory Instructional Programs in Driver and Traffic Safety.** (3) A. Designed to provide the background, knowledge, and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

**TTE—Technology Teacher Education**  
Dr. William E. Davis, Chair

**TTE 163 Production Processes.** (3) A. A study of the use of basic tools and machines, to include hand tools and portable power tools. Skills, care, and safety will be stressed. Students will complete a series of exercises that will cause them to demonstrate their skills and knowledge. 2 Lec 2 Lab.

**TTE 233 Problem Solving and Design.** (3) A. Prerequisites: TEC 190 and TTE 163. Study and application of the principles of three-dimensional design related to various media, emphasis on experimentation and problem solving in developing and construction design solutions. Technical illustration techniques to include pencil rendering, ink delineation, and other methods. 2 Lec 2 Lab.

**TTE 461 Communication Systems.** (3) A. Prerequisites/Corequisite: TET 251 and CTE 361. A course for the technology education teacher related to the communication industry and related occupations. The content will include the concepts and principles of communication systems and the impact of this industry on society. 2 Lec 2 Lab.

**TTE 462 Manufacturing Systems. (3) A.**

Prerequisites/Corequisite: TTE 163 and CTE 361. A course for the technology education teacher related to the occupations, materials, processes, and tools found in manufacturing industries. Laboratory sessions include designing, operation, and management of a simulated manufacturing activity. 2 Lec/2 Lab.

**TTE 464 Related Technology Systems. (3)**

A. Prerequisite: CTE 361. A course for the technology education teacher related to the transportation and power industry to include related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry. 2 Lec/2 Lab.

**TTE 465 Construction Systems. (3) A.**

Prerequisites: TTE 163 and CTE 361. A course for the technology education teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques. 2 Lec/2 Lab.

**WMS—Women's Studies**

Sara Zeigler, Director

**WMS 201 Introduction to Women's Studies.**

(3) A. Introduction to interdisciplinary field of women's studies and feminist scholarship. Provides overview of the diversity of women's experiences, images, and issues from a wide variety of disciplinary perspectives.

**WMS 349 Applied Learning in Women's**

**Studies. (1-8) A.** Prerequisite: approval of Director of Women's Studies. Work in job placements related to Women's Studies. One to eight hours credit. Minimum of 80 hours employment required for semester hour credit.

**WMS 349 A-H Cooperative Study: Women's**

**Studies. (1-8) A.** Prerequisite: approval of Director of Women's Studies. Work in job placements related to Women's Studies. One to eight hours credit. Minimum of 80 hours employment required for semester hour credit.

**WMS 400 Feminist Theory and Practice. (3)**

A. Prerequisite: WMS 201 or instructor approval. Examines development of feminist theory and its implications for continuing feminist scholarship. Includes related research project in student's major.

**WMS 495 Independent Study: Women's**

**Studies. (1-3) A.** Prerequisite: approval of Director of Women's Studies. Study of a special topic in Women's Studies. Proposal must be approved by faculty supervisor and Women's Studies Director before enrolling.



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# SECTION SEVEN

## Official Directory

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Assistant Athletic Trainer  
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Assistant Athletic Trainer  
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Assistant Football Coach  
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Assistant Football Coach  
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Assistant Football Coach  
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Assistant Football Coach

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Assistant Football Coach  
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Head Baseball Coach  
John Corbin, BA  
Assistant Baseball Coach  
Pat Stephens, BS  
Men's Golf Coach  
Joni Stephens, BS, MS  
Women's Golf Coach  
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Softball Coach  
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Assistant Softball Coach  
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Livestock Specialist-Stateland Dairy  
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Dairy Manager-Stateland Dairy  
Jerry Plummer, BS  
Livestock Manager-Meadowbrook Farm

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Executive Director of Budgeting

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Teresa Howard, BBA  
Accountant

### BILLINGS AND COLLECTIONS

Mary Fister, BS, MBA, CPA  
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Donna Moore, BS  
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### HUMAN RESOURCES

Gary Barksdale, BS, MBA  
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Don DeLaca, BS  
Compensation/HRIS Coordinator  
Sheila King  
Employment Coordinator  
Donna Simmons  
Payroll Coordinator  
Tarena Tyree, AS  
Benefits Coordinator  
Debbie Shepherd  
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### PURCHASES AND STORES

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### ARAMARK DINING SERVICES DIVISION OF FOOD SERVICES

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Senior Director  
Charlie Brubeck  
Director of Operations  
Amanda Graziani  
Financial Controller  
Rebecca Goss  
Accounts Payable  
Robert Miller  
Executive Chef, Fresh Food Company  
Mathew Haney  
Sous Chef, Fresh Food Company  
Gary Collins  
Catering Manager  
Nancy Snowden  
Catering Sales Coordinator  
Debbie Thacker, BS  
Fresh Food Company  
Kim Howard  
Fountain Food Court Assistant Manager  
Diana Pence  
Model Lab Cafe  
Susan Padgett  
Stratton Cafe/Martin/Blimpie  
Mary Hagen  
Fountain Food Court Manager

### CAMPUS RECREATION/INTRAMURAL SPORTS

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Assistant Director  
TBA  
Fitness Coordinator  
TBA  
Facilities Coordinator

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Amanda Tudor  
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### COUNSELING CENTER

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Staff Psychologist  
Sandra Medley, BFA, MS, PhD  
Staff Psychologist  
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Counselor  
Melissa Cozart, BS, MS  
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### FIRST YEAR PROGRAMS

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### GREEK AFFAIRS

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**MEDIATION CENTER**

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Staff Physician

Phyllis Bishop, RN

Nurse

Cheryl Little, RN

Nurse

Cheryl Simpson, BSN, RN

Nurse

Joan Wernegreen, RN

Nurse

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**UNIVERSITY BOOKSTORE**

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Leslie Jennelle

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Peggy Ochs

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Heather Baldwin

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Becky Etherington

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Tamara Stephens, BA

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Shalamar Stokely, BA

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Rontai Walker, BS

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Brandon Williams, BA

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Shannon Dale Williams, BA

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TBA

Associate Director for Business Affairs

TBA

Associate Director for Academic Initiatives

TBA

Assistant Director for Residential Facilities

**VOLUNTEERISM**

Amber Jones

**OFFICE OF THE VICE PRESIDENT FOR  
UNIVERSITY ADVANCEMENT**

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Vice President

Liz Champ

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**ALUMNI RELATIONS; EKU NATIONAL ALUMNI  
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Director of Planned &amp; Major Gifts

Jackie Collier Ballinger, BA

Director of Corporate &amp; Foundation Relations

Kara Little Covert, BS, MS

Director of Regional Advancement

Heather Slack-Ratiu, BA, MEd

Director of Regional Major Gifts  
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 Senior Charitable Grants Writer  
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### **PUBLIC RELATIONS AND MARKETING**

Marc Whitt, BA, MA  
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### **INSTITUTIONAL MARKETING**

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### **UNIVERSITY COMMUNICATIONS**

Ami Piccirilli, BA  
 Director  
 Donald E. Rist, Jr., BFA  
 Associate Director  
 Jerry D. Wallace, BS  
 News Editor  
 Karen L. Lynn, BA  
 Writer & Editor  
 Chris Radcliffe, BS  
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## **DEPARTMENT OF MILITARY SCIENCE AND LEADERSHIP**

LIEUTENANT COLONEL Brett E. Morris, (1999), Professor of Military Science, BA, Texas Tech University, (1980), MA, Naval Post Grad School, (1988).  
 MAJOR Lance Patterson, (2002), Assistant Professor of Military Science, BS, Cumberland College, (1989).  
 MAJOR Craig Campbell, (2004), APMS, Recruiting Officer, BBA, Eastern Kentucky University (1986).  
 MASTER SERGEANT Monty Lash (2003), Advanced Course Instructor, Senior Military Instructor.  
 SERGEANT FIRST CLASS Robert B. Welch, Jr., (2001), Basic Course Instructor.



# FACULTY LISTING

**ABNEY, WILLIAM M.** (1976), Assistant Professor, Fire and Safety Engineering Technology. AA, BS, MS, Eastern Kentucky.

**ADAMS, ANTHONY W.** (1999), Coordinator, Aviation. Assistant Professor, Technology. BS, Regents College; MAS, Embry-Riddle; additional graduate courses, Eastern Kentucky.

**ADAMS, ROBERT M.** (1979), RTP, Professor, Psychology. BA, MA, PhD, Tennessee.

**ADAMSON, JAMES A.** (2001), Assistant Professor, Technology. BS, U. S. Merchant Marine Academy; MS, University of Southern California.

**ADAMS-BLAIR, HEATHER R.** (2000), Assistant Professor. Exercise and Sport Science. BA, Transylvania; MAEd, Eastern Kentucky; EdD, Kentucky.

**ADKINS, JUDY L.** (1986), Assistant Professor, Home Economics Education: Laboratory School. BS, MS, Morehead State.

**ADKINS, MARGARET** (2003), Assistant Professor, Special Education and Clinical Audiology Director.

**AFSAH-MOHAJALATEE, DAVID** (1998), Assistant Professor, Art and Design. BA, Kutztown State; MFA, Temple.

**ALCORN, CLEMMMA.** (1993), Assistant Professor, Nursing. RN: BSN, Ohio State; MSN, Kentucky; additional graduate work, Kentucky.

**ALEGI, PETER C.** (2001), Assistant Professor, History. BA, Trinity College; MS, Yale University; PhD, Boston University.

**ALEXANDER, CECILIA** (1994), Librarian IV; BS, Ohio; MLS, Kentucky.

**AL-KHATAB, ANISA** (1990), Associate Professor, Educational Studies. BA, MA, EdD, Teachers' College, Columbia

**ALLAMEH, E. JOY** (1978), Associate Professor, English and Theatre. BS, Middle Tennessee; MA, Arkansas; PhD, Kentucky.

**ALLEN, KATHRYN** (1987), Assistant Professor, Occupational Therapy. OTR/L; BS, Mt. Mary; MS, Kentucky.

**ALLEN, M. JANE** (1982), Associate Professor, Social Work. BA, Mississippi College; MSW, Tulane.

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**ALTHAUSER, KRISTA L.** (1997), Assistant Professor, Elementary: Laboratory School. BS, MA Eastern Kentucky.

**ANDERSEN, CATHY M.** (1986), Associate Professor, Health Services Administration. RHIA; BA, Bemidji State; MPH, Texas.

**ANDERSON, JOY** (1978), Professor, Occupational Therapy. OTR/L; BA, David Lipscomb; post-baccalaureate certificate, Texas Woman's; MA, Western Michigan.

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**APPLETON, THOMAS H.** (2000), Professor, History. BA, Memphis; MA, PhD, Kentucky.

**ASHER, H. INNESS** (2003), Lecturer, English. MA, Eastern Kentucky.

**AULT, ALLEN L.** (2003), Dean, Justice and Safety, Professor. BA, Oglethorpe; MAEd, EdD, Georgia.

**AUSTIN, JERRY L.** (1994), Associate Professor, Educational Administration. BA, Berea; MAEd, EdD, Virginia; JD, North Carolina Central.

**AWANG, FARIDAH** (2002), Assistant Professor, Corporate Communication and Technology. BSC, MSc, Ed, PhD, Southern Illinois University.

**BAGGOTT, VICKEY** (1988), Librarian III, Libraries. BA, Stetson; MLS, East Carolina; MLS, Southern Mississippi.

**BAILEY, SHARON** (2002), Assistant Professor, English and Theatre/ Foreign Languages & Humanities. BA, Spring Arbor; MA, Michigan State University; PhD, Penn State.

**BALL, JUDITH K.** (1980), Assistant Professor, Libraries. BA, Berea College; MSLS, Kentucky; additional graduate work, Eastern Kentucky.

**BALLARD, MICHAEL** (2002), Chair, Associate Professor, Health Promotion and Administration. BS, MAEd, Eastern Kentucky; EdD, Tennessee.

**BANKS, ALAN J.** (1981), Professor, Sociology. BS, Indiana State; MA, PhD, McMaster.

**BARKER, THOMAS** (2000), Professor, Criminal Justice and Police Studies. AB, Stanford; MS, PhD, Mississippi State.

**BARKSDALE, M. KENDALL** (1969), Assistant Professor, Libraries. BS, Eastern Kentucky; MSLS, additional graduate work, Kentucky.

**BARTON, ROBERT M.** (1976), Athletic Trainer; Professor, Exercise and Sport Science. AB, Kentucky; MS, Marshall; DA, Middle Tennessee.

**BATTS, JAMES W.** (1988), Professor, Psychology. BS, MS, Eastern Kentucky; MEd, PhD, Kentucky.

**BAUM, KAREN H.** (1988), Assistant Professor, Physical Education: Laboratory School. BS, MA, Eastern Kentucky.

**BAUTISTA, DEBRA L.** (2001), Assistant Professor, Chemistry. BS, PhD, Memphis.

**BAXTER, MARGARET** (1996), Assistant Professor, Early Childhood: Laboratory School. BS, MAEd, Additional Graduate Work Eastern Kentucky.

**BEAL, DONALD G.** (1987), Professor, Psychology. BA, Arizona; PhD, Texas Tech.

**BECK, JOE E.** (1995), Associate Professor, Environmental Health Science. BS, Murray State; MPA, Illinois.

**BEDETTI, GABRIELLA** (1981), Associate Professor, English and Theatre. BA, Bates; MA, PhD, Iowa.

**BEELER, C. ALAN** (1970), Professor, Music. BM, Illinois Wesleyan; MA, PhD, Washington.

**BEGLEY, JOYCE** (1983), Assistant Professor, Nursing. BSN, Berea College; MA, Union; MSN, Tennessee.

**BELCHER, DIANNE** (2003), Assistant Professor, Baccalaureate and Graduate Nursing. ADN, BAs, Lincoln Memorial University; MSN, Bellarmine College.

**BELKNAP, LARRY K.** (1989), Professor, Recreation and Park Administration. BA, Morris Harvey; MS, Marshall; ReD, Indiana.

**BENNETT, HELEN** (1981), Professor, English and Theatre. BA, Queens; PhD, Brown.

**BENNETT, ONDA M.** (1997), Chair, Associate Professor, Occupational Therapy. OTR/L; BS, MS, NY; PhD, Buffalo, NY.

**BENTLEY, BROOKE** (2001), Assistant Professor, Nursing. BSN, MSN, Eastern Kentucky.

**BETTLER, ALAN R.** (1970), Associate Professor, French. AB, MA, PhD, Indiana.

**BHATTACHARYA, TANMOY** (2002), Visiting Instructor, Business Statistics. BA, Eastern Kentucky University; ABD, University of Kentucky.

**BIGGIN, ROBERT** (2001), Assistant Professor, Educational Leadership. BS, Pennsylvania; MS, PhD, Pittsburg.

**BIRCHFIELD, PATRICIA** (1997), Associate Professor, Nursing. BSN, MSN, Kentucky, DS, Alabama (Birmingham).

**BLACK, PAMELA** (2000), Assistant Professor, Social Work. BSW, Eastern Kentucky; MSW, Kentucky.

**BLACK, STEPHEN A.** (1978), Associate Professor, Agriculture. BS, MS, Louisiana State; PhD, Tennessee.

**BLADES, CHRISTOPHER** (2003), Assistant Professor, Computer Information Systems. PhD, Somerset, England (UK).

**BLAKENEY, ANNE** (1984), Associate Professor, Occupational Therapy. OTR/L; BS, Tennessee; MSOT, Boston; PhD, Kentucky.

**BLAKENEY, MICHAEL** (1989), Assistant Professor, Emergency Medical Care. RN: EMT; BS, Louisiana State; BSN, Eastern Kentucky; MSN, Kentucky.

**BLAND, PAUL E.** (1969), Professor, Mathematics. BA, MA, West Virginia; PhD, South Carolina.

**BLAYLOCK, DAVID W.** (1993), Assistant Professor, History. BA, North Carolina (Greensboro); MA, Washington (St Louis); PhD, Ohio State.

**BLYTHE, JR., HAROLD R.** (1972), Professor of English and Theatre and Foundation Professor. BA, Kentucky Southern; MA, Florida; PhD, Louisville.

**BLYTHE, ROBERT R.** (1993), Lecturer, Developmental Mathematics. BS, Eastern Kentucky; MDiv, Southern Baptist Theological Seminary; additional graduate work, Eastern Kentucky.

**BOLLING, JULIEN HOPE** (1972), Associate Professor, Special Education. BS, East Tennessee; MA, Kentucky; EdD, Kentucky; additional graduate work, Eastern Kentucky.

- BONAR, BRUCE D.** (1977), Director, Professional Laboratory Experiences; Professor, Social Science Education; Curriculum and Instruction. AB, West Liberty State (WV); MA, EdD, West Virginia; additional graduate work, Eastern Kentucky.
- BOORD-DILL, THOMAS JEFFREY** (1985), Assistant Professor, English and Theatre. BA, Ohio State; MFA, Alabama.
- BOROWSKI, WALTER S.** (2001), Assistant Professor, Geology. BA Case Western Reserve; MS, Tennessee; PhD, North Carolina.
- BOTTS, THERESA M.** (1989), Associate Professor, Psychology. BS, MS, Eastern Kentucky; PhD, Kentucky.
- BOWEN, DOROTHY** (2000), Assistant Professor, Curriculum and Instruction. BA, Asbury; MLS, Kentucky; PhD, Florida.
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- BREWER, PEGGY D.** (1980), Professor, Management. BS, Morehead; MA, Murray; DBA, Louisiana Tech.
- BREWER, VIRGIL L.** (1980), Professor, Computer Information Systems. BS, Kentucky; MBA, Marshall; DBA, Texas Tech.
- BRITT, DANNY G.** (1975), Professor, Agriculture. BS, Western Kentucky; MS, PhD, Michigan State.
- BROCK, MARTIN L.** (1990), Associate Professor, Chemistry. BA, California (San Diego); PhD, Illinois; Post doctoral research, Imperial (London), Southern CA.
- BROSI, GEORGE** (2003), Lecturer, English. MAEd, Western Carolina.
- BROWN, DEBRA B.** (1988), Assistant Professor, Principal, Laboratory School. BS, MA, Eastern Kentucky.
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- BROWN, GARY** (2001), Assistant Professor, Environmental Health Science. BA, New York (Buffalo); MS, Hunter College; PhD, Alabama (Birmingham).
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- BROWN, JULIE** (1991), Assistant Professor, Medical Assisting. RN; BSN, Eastern Kentucky; MSN, Bellarmine College; additional graduate work, Kentucky.
- BROWN, STEPHEN M.** (1988), Professor, Management. BS, Illinois; MS, Southern Illinois; PhD, Georgia.
- BROWN-DAVIS, MARY** (1987), Assistant Professor, Nursing. RN; ASN, Lexington Technical Institute; BSN, MSN, Kentucky.
- BRUBAKER, ROBERT G.** (1984), Acting Chair, Professor and Foundation Professor, Psychology. BA, Oklahoma City; MA, Indiana State; PhD, South Florida.
- BRYANT, JESSICA** (1997), Assistant Professor, English and Theatre. BA, Kentucky State; MA, EdD, Kentucky.
- BUCKNAM, JULIE A.** (1995), Associate Professor, Art Education. BA, MAEd Eastern Kentucky; PhD, Kentucky.
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- BURTON, AMY JO** (2000), Visiting Part-time Instructor, Music; Laboratory School. BME Eastern Kentucky.
- BUSH, DANA** (2001), Director, Burrier Child Development Center, Instructor, Family and Consumer Sciences. BS, Eastern Kentucky; MS, Kentucky.
- BUSKIRK, ROBERT D.** (1992), Assistant Professor, Mathematical Sciences. BA, West Virginia; MA, PhD, Kentucky.
- BUSSON, TERRY L.** (1980), Professor, Political Science. BA, MA, PhD, Kent State.
- BYRD, SUZANNE** (1991), Associate Professor, Biology. BS, Austin Peay; BS, PhD, South Alabama.
- CAHILL, TIMOTHY** (1979), Model Swim Coach/Teacher, Health Education. BS, Cincinnati; MEd, Xavier; additional graduate work, Eastern Kentucky.
- CAIN, KAREN S.** (1985), Director, Developmental Education/Academic Testing. AB, Berea College; MA, Eastern Kentucky; additional graduate work, Kentucky, Grambling.
- CALIE, PATRICK J.** (1992), Professor, Biology. BS, Rutgers; MS, PhD, Tennessee.
- CALITRI, DONALD L.** (1976), Associate Dean, Professor, Health Sciences. BS, MA, Union; additional graduate work, Indiana; EdD, Alabama.
- CALLAHAN, CONNIE** (1997), Associate Professor; BA, Missouri Southern State; MS, EDS, Pittsburg State; PhD, New Mexico.
- CAMARATA, KAREN M.** (1990), Assistant Professor, Health Education. AA, Oakland Community; BS, MPH, Michigan; additional graduate work, Eastern Kentucky.
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- CANNON, DEAN C.** (1978), Professor, Communication. BS, MS, Indiana State; PhD, Ohio State.
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- CARMEAN, KELLI C.** (1993), Professor, Anthropology. BA, Victoria (Canada); PhD, Pittsburgh.
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- CARR, DONALD E.** (1982), Professor, Computer Information Systems. BS, MS, California (Davis).
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- CARR, HOWARD** (1995), Visiting Instructor, Music. BM, MM, Artist Diploma, Peabody Institute of John Hopkins.
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- CHAMBERS, HEATHER L.** (2000), Visiting Instructor, Laboratory School. BA, Auburn; MA, Florida.
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- CHANDRA, VIGYAN** (2002), Assistant Professor, Technology. BS, Birla Institute of Technology (India); MS, PhD, Kentucky.
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- CHAPMAN, ANN D.** (1989), Professor, Counseling. BA, Agnes Scott; MA, Indiana; EdS, PhD, Kentucky.
- CHASE, LAWRENCE J.** (1970), Professor, History. AB, LaSalle; MA, Duquesne; PhD, Notre Dame.
- CHEN, RICHARD** (1989), Professor, Accounting. BBA, National Taiwan; MPA, PhD, Texas; CPA, Texas.
- CIOCCA, MARCO** (1999), Associate Professor, Physics. Laurea, Naples; PhD, Washington.
- CLARK, ROSS C.** (1992), Professor, Biology. BA, Sewanee; MA, PhD, North Carolina.
- CLAY, GENEVIEVE** (1966), Assistant Professor, Libraries. BA, Rhodes College; BA, Eastern Kentucky; MSLS, Kentucky.
- CLEMENT, CATHERINE R.** (1989), Associate Professor, Psychology. AB, California (Berkeley); MA, PhD, Clark.
- CLEWETT, JR., RICHARD M.** (1969), Professor, English and Theatre. BA, MA, PhD, Chicago.
- COLEMAN, DAVID W.** (1998), Associate Professor, History. BA, Emory; MA, PhD, Illinois at Urbana-Champaign.
- COLLINS, LARRY R.** (1990), Chair, Associate Professor, Loss Prevention and Safety. AS, Allegheny; BS, MEd, California (U PA); EdD, West Virginia.
- COLLINS, PAMELA A.** (1986), Professor, Assets Protection and Security. BS, MS, Eastern Kentucky; EdD, Kentucky.
- COMBS, KEVIN** (2002), Instructor, Health, Laboratory School. BA, Morehead; MS, Austin Peay; Rank I, University of Louisville.
- COMBS, DOROTHY Z.** (1997), Associate Professor, Language Arts Education. BA, MEd, South Carolina; PhD, Kentucky.
- COOK, BARBARA** (2003), Visiting Assistant Professor, English. PhD, Oregon.



- COOK, JERRY D.** (1983), Professor and Foundation Professor, Physics. BA, Berea College; MS, PhD, Kentucky.
- COOPER, CARRIE** (1998), Librarian IV; BS, Florida State; MLIS, Southern Mississippi.
- COOPER, JUSTIN** (2001), Assistant Professor, Special Education. BS, Weber State; MAEd, Mississippi; EdD, Kentucky.
- CORDNER, GARY W.** (1987), Professor, Criminal Justice and Police Studies and Foundation Professor. BS, Northeastern; MS, PhD, Michigan State.
- CORE, DEBORAH L.** (1982), Professor, English and Theatre. BA, Bethany; MA, Marshall; PhD, Kent State.
- CORN, LISA** (1993), Assistant Professor, Primary Education, Laboratory School. BS, MA, Eastern Kentucky.
- CORNETTE, MARK** (1999), Instructor, Primary, Laboratory School. BS, MA, Eastern Kentucky.
- CORTÉS-CASTANEDA, MANUEL** (1992), Assistant Professor, Spanish. BA, La Universidad Nacional Pedagógica (Colombia); MA equivalent Universidad Complutense (Madrid).
- COSTELLO, PATRICIA S.** (1982), Professor, Statistics. BA, Thomas More; MS, PhD, Ohio State.
- COSTELLO, PATRICK J.** (1982), Acting Chair, Professor, Mathematical Sciences. BS, Harvey Mudd; MS, PhD, Ohio State.
- COX, TERRY C.** (1978), Professor, Criminal Justice and Police Studies. BS, MS, PhD, University of Akron.
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- CROSBY, RICHARD** (1986), Professor, Music. BME, MM, DMA, Cincinnati.
- CULROSS, JACK L.** (1970), Professor, English and Theatre. BS, Spring Hill; MA, PhD, Louisiana State.
- CULROSS, TERRELL O.** (1976), Assistant Professor, English and Theatre. BS, Louisiana State; MA, additional graduate work, Eastern Kentucky, Kentucky.
- CUNNINGHAM, ASHLYN RICHARDSON** (1996), Assistant Professor, Occupational Therapy. BS, Washington University-St. Louis; MA, Texas Woman's.
- CUNNINGHAM, ROBERT** (1991), Assistant Professor, Occupational Therapy. OT/L; BS, North Dakota; MS, Eastern Kentucky.
- CUPP, JR., PAUL V.** (1974), Professor, Biology. BS, MS, Eastern Kentucky; PhD, Clemson.
- CURRA, JOHN O.** (1975), Professor, Sociology. BA, MA, San Diego State; PhD, Purdue.
- DAILEY, DAVID W.** (1989), Professor, Technology. BS, MS, EdS, Clemson; EdD, Kentucky.
- DANTIC, JAMES** (1997), Assistant Professor, Principal, Laboratory School. BA, Centre; MA, Kentucky.
- DAUGHERTY, HAYWARD M.** (1970), Associate Vice President, Executive Director ECU National Alumni Association. Assistant Professor, School and Public Health Promotion and Administration. BS, MA, Eastern Kentucky; EdD, Indiana.
- DAUGHERTY, PATSY** (1978), Director, Health Sciences Learning Resource Center and Health Careers Opportunity Program. AA, BS, MA, Eastern Kentucky; EdD, Kentucky.
- DAUGHERTY, VICKI R.** (1970), Assistant Professor, Elementary Education; Laboratory School. BS, MAEd, Eastern Kentucky.
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- DAVIS, BRUCE** (2000), Chair, Associate Professor, Geography. BS, California-Santa Barbara; MA, Southern Mississippi; PhD, California-Los Angeles (UCLA).
- DAVIS, LONNIE J.** (1990), Chair, Professor, Exercise and Sport Science. BA, Morehead State; MS, Indiana; PhD, Louisiana State.
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- DEAN, CLAUDE S.** (1986), Associate Professor, Geology. SB, Massachusetts Institute of Technology; AM, PhD, Harvard.
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- VICE, JANNA P.** (1976), Associate Dean, College of Business and Technology; Professor, Corporate Communication and Technology. BS, MA, Eastern Kentucky; EdD, Kentucky.
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- WATERS, ELAINE** (1983), Assistant Professor, Nursing. BSN, Vanderbilt; MS, Rochester; additional graduate work, Kentucky.
- WATKINS, THOMAS G.** (1984), Professor, Economics. AB, MA, Missouri; PhD, Iowa State.
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- WILLIAMS, FRANK C.** (1973), Professor, Philosophy. BEE, Georgia Institute of Technology; BD, Southwestern Baptist Seminary; PhD, Duke.
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- WIMBERLY, LINDA C.** (1986), Associate Professor, Paralegal Science. BA, JD, Kentucky.
- WINSLOW, MATTHEW P.** (1998), Assistant Professor, Psychology. BA, Macalester; MA, California at Santa Cruz; PhD, Minnesota.
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- WIRTZ, PAUL J.** (1988), Associate Professor, Curriculum and Instruction. BA, Marquette; MS, Wisconsin-Milwaukee; PhD, Peabody College.
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- WONG, KA-WING** (1990), Professor, Computer Science. BS, MS, Middle Tennessee; PhD, Kansas State.
- WOOD, BRADFORD J.** (2000), Assistant Professor, History. BA, Wake Forest; MA, Michigan State; MA, PhD, John Hopkins.
- WOODS, PATRICIA** (1989), Assistant Professor, Nursing. BSN, Eastern Kentucky; MSN, Kentucky; additional graduate work, Kentucky.
- WOOLVERTON, DAVID O.** (1991), Assistant Professor, Communication. BS, Florida; MA, Miami; EdD, Kentucky.
- WRAY, LINDA** (1983), Assistant Professor, Nursing. BS, Lenior-Rhyne; MSN, North Carolina (Greensboro), additional graduate work, Kentucky.
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- WRIGHT, NEIL H., III** (1983), Director, International Education; Associate Professor, Humanities. BA, MA, Middle Tennessee; PhD, Florida State.
- YANG, CAROLYN** (1989), Associate Professor, Nursing. RN; C; BSN, Spalding; MSN, St. Louis.
- YODER, GARETT W.** (1998), Assistant Professor, Physics. BA, Goshen College; MS, PhD, Auburn.
- YODER, MARGARET A.** (1995), Assistant Professor, Mathematics. BA, Goshen College (IN); MA, PhD, South Florida.
- YOW, DON** (2003), Assistant Professor, Geography. BS w/ Honors, University of Florida; MS, PhD, University of South Carolina.
- ZEIGLER, SARA** (1997), Director, Women's Studies; Associate Professor, Political Science. BA, Reed; MA, PhD, California-Los Angeles.
- ZHANG, SHUANGTENG** (2002), Assistant Professor, Computer Science. BS, MS, Chongqing University, China; PhD, University of Toledo.
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- ADAMS, WILLIAM G.** 1966-, Professor, Geography. BA, Stetson; MA, additional graduate work, Kentucky.
- ADKINS, BERTIE** 1975-, Professor, Administrative Communication and Services. BS, MA, Eastern Kentucky; EdD, Kentucky.
- ALGIER, ANN S.** 1966-1989, Associate Professor, English. BA, Wyoming; MA, New Mexico; EdS, Eastern Kentucky.
- ALGIER, KEITH M.** 1965-1989, Professor, History. BA, MA, PhD, New Mexico.
- ALLEN, JAMES HOWARD** 1969-, Associate Professor, Education. AB, Union College; MA, Kentucky; PED, Indiana.
- AMBROSE, CHARLES F.** 1961-1982, Professor, Education. AB, Transylvania; MA, EdD, Kentucky.
- BAECHTOLD, SHIRLEY** 1978-, Assistant Professor, English. BA, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Indiana.
- BAKER, ELIZABETH** 1969-1995, Assistant Professor, Libraries. BA, MA, Ohio; BM, Eastman School of Music; additional graduate work, Eastern Kentucky.
- BARKLEY, DWIGHT** 1968-1994, Professor, Agriculture. BS, Pennsylvania State; MS, PhD, Virginia Polytechnic.
- BARLOW, LYNWOOD L.** 1968-1986, Professor, Social Science. BA, MA, Iowa; BD, McCormick Theological Seminary; EdD, Teachers College, Columbia.
- BARR, DIXON A.** 1961-1990, Professor, Education. BS, Ball State; MA, EdD, Columbia.
- BATCH, DONALD L.** 1965-2001, Dean College of Natural and Mathematical Sciences; Professor, Biology. BS, Illinois College; MS, PhD, Illinois.
- BAUGH, CAROL J.** 1978-2001, Professor, Nursing. BSN, Eastern Kentucky; MSN, DNS, Indiana.
- BAUGH, ROBERT J.** 1970-2001, Dean/Athletics Director, College of Health, Physical Education, Recreation, and Athletics; Professor, Health Education. BS, MS, HSD, Indiana.
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- BENDALL, VICTOR** 1966-2001, Professor, Chemistry. BS, ARCS Imperial (England); MS, Bucknell; PhD, Brown.
- BENSON, RICHARD L.** 1969-, Professor, Speech and Theatre Arts. BA, California (LA); MA, PhD, Illinois.
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- BOGUE, RUSSELL L.** 1979-1987, Professor, Physical Education. BA, Kearney State; ME, Nebraska; EdD, Wyoming.
- BOYD, URSEL D.** 1967-, Professor, German. JD, Washington; MA, PhD, Maryland.
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- BREWER, EMERY** 1968-1984, Professor, Educational Foundations. AB, MA, Kentucky; PhD, Ohio State.
- BRIGHT, MICHAEL** 1969-2000, Professor of English and Foundation Professor. AB, Washington and Lee; PhD, Tulane.
- BROCK, JR., ALLEN C.** 1960-, Associate Professor, English. BS (Ed), MEd, Georgia.
- BROMLEY, RICHARD** 1974-2003, Professor, Music. BM, Lawrence; MM, American Conservatory of Music; DMA, Colorado.
- BROOKER, RICHARD** 1977-1996, Professor, Construction Technology. AA, Ft. Scott; BS, Kansas (Pittsburg); MS, Kansas (Emporia); EdD, Arkansas.
- BROOKS, ANNE** 1972-2001, Chair, Professor, Humanities. BS, East Carolina; MAT, Duke; PhD, Florida State.
- BROOKS, JAMES F.** 1968-1998, Associate Professor, Mathematical Sciences. BS, MS, Florida State; PhD, Kentucky; additional graduate work, Wayne State.
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- BROWN, TOMMY R.** 1970-, Assistant Professor, Technology. BS, MS, Eastern Kentucky; additional graduate work, Kentucky, Eastern Kentucky.
- BROWNE, WILLIAM A.** 1975-1997, Professor, Traffic Safety Institute. AB, Catawba; MA, PhD, Michigan State.
- BUCKHOLZ, VERA** 1959-1973, Associate Professor, Home Economics. BS, Eastern Illinois; MS, Illinois, additional graduate work, Teachers College, Columbia and Colorado State.
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- BURNHAM, J. DOUGLAS** 1975-2002, Professor and Foundation Professor, Social Work. BA, Montevallo; MSW, Alabama.
- BURNS, LEONARD T.** 1994-2002, Professor, Educational Administration. BS, MA Ball State; EdD Colorado.
- BYRN, ERNEST E.** 1966-1986, Professor, Chemistry. BS, PhD, Tennessee.
- BYRNE, ROBERT L.** 1965-1996, Professor, Elementary Education. BSEd, Ohio; MEd, Kent State; EdD, George Peabody.
- BYRNE, SHIRLEY M.** 1980-1995, Professor, Elementary Education. BSEd, Ohio, MEd, Massachusetts; EdD, Kentucky.
- CAIN, DONALD R.** 1981-2000, Professor, Mass Communications. BS, Auburn; MS, Wisconsin; PhD, Michigan State.
- CALDWELL, ELAINE** 1979-1999, Associate Professor, Health Information. RRA; BA, Mount Marty; MA, North Dakota.
- CALKIN, GERALD F.** 1972-1999, Professor, Physics. AB, Wooster; MS, Ohio; MS, PhD, Massachusetts.
- CALVERT, CHRISTINE** 1969-1984, Professor, Home Economics. BS, MS, Arkansas State; PhD, Texas Women's.



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- CHASE, FRANK** 1965-1980, Associate Professor, Library Science. AB, University of Illinois; BS, Columbia University.
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- CREEK, ROBERT O.** 1970-2001, Professor, Biology. BS, MS, West Virginia; PhD, Arkansas.
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- DEHOOP, WIETSE** 1969-1982, Professor, Special Education. BA, Florida; MS, Florida State; MA, George Peabody; EdD, Georgia.
- DEJARNETTE, NANNIE B.** 1967-1979, Assistant Professor, Library. AB, Eastern Kentucky; additional graduate work, Kentucky, Montclair State Teachers College.
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- ELDOT, HOWARD** 1970-1997, Associate Professor, Special Education. BEd, Miami (FL); MS, Syracuse; PhD, Indiana.
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- ENGLE, JR., FRED A.** 1959-1998, Professor, Economics. BA, Eastern Kentucky; MBA, EdD, Kentucky.
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- FAUGHN, JERRY S.** 1968-1997, Professor, Physics. BS, Murray State; MS, Kentucky; PhD, Mississippi.
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- FLEMING, MARY L.** 1988-1998, Associate Professor, Mathematical Sciences. BS, MS, Midwestern; MPH, PhD, Oklahoma.
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- FORESTER, CHARLES W.** 1974-2002, Associate Professor, Police Studies. BA, Wayne State; MS, Eastern Kentucky; JD, Kentucky.
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- GEORGE, TED** 1964-1988, Professor, Physics. BA, MA, PhD, Vanderbilt.
- GIBSON, JR., CHARLES H.** 1962-1990, Professor, Education. BS, MA, Eastern Kentucky; PhD, Kentucky.
- GILLILAND, HUGH** 1966-1991, Professor, Industrial Education and Technology. BS, MS, Northwestern (LA); EdD, Missouri.
- GOOD, CAROL RODGERS** 1985-, Associate Professor, Social Work. BA, Colby; MSW, Kentucky.
- GRAYBAR, LLOYD J.** 1966-2000, Professor, History. AB, Middlebury; MA, PhD, Columbia.
- GREENLEE, DAVID** 1979-2002, Professor, Music. BS, MA, Ball State; DME, Indiana.
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- GRISE, ROBERT N.** 1963-1996, Professor, Educational Foundations. AB, MA, Eastern Kentucky; EdD, Kentucky.
- GUMP, JOHN E.** 1974-2002, Emeritus, Professor and Foundation Professor, Administrative Communication. BSBA, Waynesburg; MA, West Virginia; PhD, Ohio State.
- HAGER, OBERITA** 1967-1977, Professor, Business Administration. AB, MA, Marshall; PhD, Ohio State.
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- HALE, NORVALINE C.** 1957-1989, Associate Professor, Management. BS, MA, Eastern Kentucky; EdD, Indiana; additional graduate work, Kentucky.
- HANSSON, KENNETH S.** 1966-1991, Professor, Industrial Education and Technology. BS, Southern Illinois; MEd, PhD, Missouri.
- HARKINS, DOROTHY** 1968-1985, Professor, Physical Education. BS, Murray; MS, Southern Illinois; EdD, Kentucky.
- HARRIS, JIM** 1965-1992, Associate Professor, Communication. BA, Kentucky; MA, Illinois; additional graduate work, Missouri, Louisiana State, Ohio State.
- HARRIS, PHILLIP H.** 1964-, Professor, Art. AB, MA, Kentucky.
- HART, DOMINICK J.** 1970-2003, Professor, English and Theatre. BS, St. Peter's; PhD, South Carolina.
- HARTWELL, ROBERT** 1967-1999, Professor, Music. BME, Capital; MA, Ohio State; DME, Cincinnati.
- HARVEY, ART S.** 1972-2002, Assistant Professor, Health. BS, MS, Kansas State; additional graduate work, Kansas, Lewis College.
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- HELMUTH, CHARLES L.** 1969-, Professor, Art. BA, MFA, Pennsylvania State.
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