

Eastern Kentucky University

Undergraduate Catalog

2017-2018



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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 expulsion 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*.

Expulsion of a student is permanent separation and removal from the University. The sanction of expulsion must be approved by the University president or the president's designee; it requires a student to be withdrawn or failed from all classes, suspended from the residence halls or graduate housing (if applicable), banned from all University facilities (and subject to arrest for trespassing), rendered ineligible to register for any University class, and prohibited from participating in University activities. The student's transcript will indicate that the student was expelled, with the notation: "Expelled - Ineligible to Return".

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
2. Transcripts
3. Curriculum information
4. Applications for graduation
5. Correspondence with students, if any
6. Withdrawal records, if applicable
7. Admission forms
8. ACT test scores
9. Student teacher evaluations, if applicable
10. Letters of recommendation, if applicable
11. Nominations for awards if applicable
12. Biographical data

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| 13. Evaluation forms, if applicable | 17. Physical education requirement waivers |
| 14. Weekly student teacher logs, if applicable | 18. Field training evaluations and correspondence, if applicable |
| 15. Mid-term evaluation, if applicable | 19. Professional conduct agreements and liability insurance coverage |
| 16. Records of school visitations, if applicable | 20. Disciplinary Records |

1. 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 who claim a student as a dependent may present their federal tax declaration, in lieu of having the student's written consent, to gain access to information concerning their children's grades.

2. Disciplinary Records Disciplinary records are defined as those records (maintained in any format) which relate exclusively to violations of University **General Regulations Governing Student Behavior** which have been adjudicated through the office of Student Rights and Responsibilities. Complaints to the Office of Student Rights and Responsibilities which have been dismissed or withdrawn by the University are not considered disciplinary records. A student disciplinary record includes and is limited to: 1) violation report, 2) student notification letter, 3) sanction sheet, 4) notice of hearing, 5) students right form, 6) roll call of hearing participants in any hearing, 7) documents presented as evidence during any hearing, 8) record of Student Disciplinary Council hearing; 9) appeal letter with accompanying documents; and 10) final disposition of appeal.

3. 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 (excluding EKU residence hall room number), telephone listing (excluding cell phone), email 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, academic level (undergraduate or graduate), academic class (freshman, sophomore, junior, or senior), dates of attendance, enrollment status, degrees and awards received, student photo or likeness, 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 Success Building Room 239, CPO 58, 521 Lancaster Avenue, Richmond, Kentucky 40475-3158.

4. Notification of Rights Under FERPA for Postsecondary Institutions: The Family Educational Rights and Privacy Act affords students certain rights with respect to their education records. All EKU students are informed of their FERPA rights each year during the fall term through an email notification sent to their official EKU email address. Each student's FERPA rights 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. 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.

5. 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.

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. Graduation rate information is published each year in the *University Handbook for Students* or may be obtained upon request from the Office of the Senior Vice President for Academics and Provost, Coates Administration Building, Room 110, CPO 30A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

SECTION ONE

EASTERN KENTUCKY UNIVERSITY

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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 a century 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, Hal Rogers, 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 30,000 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 2008, EKU offered its first doctoral degree, the Doctor of Education (Ed.D.). Since that time, EKU also offers the Doctor of Nursing Practice (DNP) and the Occupational Therapy Doctorate (OTD).

Ever-mindful of the purpose of its founding, Eastern 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 to serve the Commonwealth as a regional comprehensive university.

Mission Statement

As a school of opportunity, Eastern Kentucky University fosters personal growth and prepares students to contribute to the success and vitality of their communities, the Commonwealth, and the world.

Eastern Kentucky University is committed to access, equal opportunity, dignity, respect, and inclusion for all people, as integral to a learning environment in which intellectual creativity and diversity thrives.

Core Values

Eastern Kentucky University's values shall permeate the mission and will be the fiber of the institution for it to achieve its vision.

Since its inception in 1874, Eastern Kentucky University (then known as Central University) has been driven by core values. Although its mission has evolved and expanded to meet the changing needs of citizens of the Commonwealth (and increasingly other places in the world), core values are still an integral part of the University community. Values are the code of organizational conduct. They guide decision-making in all parts of the University. They direct our actions and must inspire all of us in the EKU community to be true to them. The EKU community is committed to embodying these values in our policies and procedures in our day-to-day activities to accomplish our mission and achieve our vision. EKU has been and will continue to be guided by the following values when planning strategies and implementing decisions regarding the University community's teaching, scholarly, and service activities.

Intellectual Vitality, which is characterized by knowledge, scholarly inquiry, creativity, critical thinking, and curiosity, all with a global perspective;

Sense of Community, which is characterized by a supportive environment with strong relationships and a commitment to service, shared governance, collaboration, and unity of purpose;

Cultural Competency, which is characterized by equitable opportunities and treatment, mutual respect, and the inclusion and

celebration of diverse peoples and ideas;

Stewardship of Place, by which the University enhances the intellectual capacity, economic vitality, environmental sustainability, and quality of life of the communities it serves;

Accountability, which is characterized by fiscal responsibility, operational transparency, and responsiveness to the needs of internal and external stakeholders; and

Excellence, which is achieved through integrity, continuous quality improvement, and a focused emphasis on the personal and professional growth of students, faculty, and staff.

Vision

Eastern Kentucky University will be a premier university dedicated to innovative student engagement and success, advancing Kentucky, and impacting the world.

The vision expresses the principal ideal to which the University aspires and toward which it continually works. This vision statement for the University Strategic Plan was developed after gathering input from external and internal constituents, including top-down and bottom-up perspectives of EKU's future.

Institutional Goals

Eastern Kentucky University's institutional goals give substance to our core values, vision statement, and mission statement. The goals impact all facets of university life, and accomplishment of them will help Eastern to become a leading comprehensive university in the Commonwealth with a national reputation for excellence.

- Academic Excellence
- Commitment to Student Success
- Institutional Distinction
- Financial Strength
- Campus Revitalization
- Service to Communities and Region

Strategic Directions

Make No Little Plans: A Vision for 2020

With input from the University communities and the Strategic Planning Steering Committee, this plan outlines the areas we need to add, emphasize, or grow in order to achieve our vision of being a premier university dedicated to innovative student engagement and success, advancing Kentucky, and impacting the world.

Strategic Goal 1: Academic Excellence

Strategic Direction 1.1: *Invest in Our Faculty*

Strategic Direction 1.2: *Promote Innovative Instruction and Programming.*

Strategic Direction 1.3: *Strengthen Academic Programs*

Strategic Goal 2: Commitment to Student Success

Strategic Direction 2.1: *Invest in Our Students*

Strategic Direction 2.2: *Focus on Strategic Enrollment*

Strategic Direction 2.3: *Increase Efforts to Retain and Graduate Students*

Strategic Goal 3: Institutional Distinction

Strategic Direction 3.1: *Invest in Our Staff*

Strategic Direction 3.2: *Advance the EKU Brand*

Strategic Direction 3.3: *Create a Dynamic, Diverse, and Inclusive University Culture*

Strategic Goal 4: Financial Strength

Strategic Direction 4.1: *Optimize Campus Resources*

Strategic Direction 4.2: *Increase External Support*

Strategic Direction 4.3:

Strategic Goal 5: Campus Revitalization

Strategic Direction 5.1: *Initiate and complete EKU Revitalization plan, which includes rehabilitation of existing facilities and construction of new ones with a focus on the EKU student experience.*

Strategic Goal 6: Service to Communities and Region

Strategic Direction 6.1: *Become the 1st-Choice Partner in Regional Educational, Economic, Cultural, and Social Development*

Strategic Direction 6.2: *Become Nationally Prominent in Fields with Regional Relevance*

Strategic Direction 6.3: *Bring EKU to Our Service Region*

Strategic Direction 6.4: *Bring Our Service Region to EKU*

SECTION TWO

ADMISSION AND RESIDENCY

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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.

The completed application and all required supporting documentation must be received by the University no later than:

- August 1 for fall enrollment
- December 1 for spring enrollment
- May 1 for summer enrollment

To apply for undergraduate admission to Eastern Kentucky University (EKU), submit completed application materials noted below and the \$35 application fee to: Office of Admissions, Whitlock Bldg. 112, CPO 54, 521 Lancaster Avenue, Eastern Kentucky University, Richmond, KY 40475-3154.

ADMISSION REQUIREMENTS FOR FIRST-TIME FRESHMEN

FULL ADMISSION

Students who meet the following criteria will be granted full admission to the University:

Have graduated from an accredited high school earning a minimum cumulative high school grade point average of 2.5 on a 4.0 scale.¹

AND

Have submitted a minimum ACT or SAT score of:²

- ACT English: 15+ or SAT Evidence Based Reading/Writing: 480
- ACT Math: 16+ or SAT Math 470
- ACT Reading: 15+ or SAT Evidence Based Reading/Writing: 480

AND

Meet the Kentucky Pre-College Curriculum

AND

Have submitted an official six-semester high school transcript, or a General Equivalency Diploma (GED), or documentation indicating completion of an ECU approved home-school or distance learning high school program.³

¹All students must submit official test scores at the time of application.

²Adult Learners (21 years of age or older) may use Residual ACT, Compass Test, or University Placement Exam results in place of ACT or SAT scores.

³ Students must submit final high school transcripts that show graduation.

DIRECTED ADMISSION

Students who meet the criteria for full admission and have ACT (or equivalent SAT) subject scores below 18 in English or 20 in reading, or are missing Pre-College Curriculum requirements,

will be granted admission to the University in this category.

Students who have an ACT (or equivalent SAT) subject scores below 16 in Mathematics, 15 in English, or 15 in Reading will be granted Success First Admission for the summer term only and must successfully complete directed coursework to remain enrolled for the fall term. Students who subsequent to admission submitted test scores demonstrating proficiency at or above the indicated scores will be permitted to register for fall classes.

SUCCESS FIRST ADMISSION

Students who do not meet the specified criteria for full or directed admission and have a high school GPA of 2.0-2.49 on a 4.0 scale may be granted admission to the University through the **Success First Initiative**. Students will be admitted to associate level programs initially until they demonstrate academic success. Refer to **Success First Initiatives** on page 44 in the College Readiness section for further details.

NOTE: All admitted students must meet the state-mandated college readiness standards for all subjects prior to registering for classes, or they must enroll in required preparatory coursework beginning their first academic semester.

ADMISSION ON APPEAL

Students who apply but are denied admission to the University may submit a written appeal to the Admissions Appeals Committee.

The committee will carefully consider all aspects of the applicant's situation, including academic record and desire to attend EKU, as presented in the appeal request.

If granted admission by the committee, students will partner with an academic success coach and sign a Student Success Agreement specifying academic expectations and requirements for remaining enrolled at the University.

The admissions appeal form and information regarding the appeals process can be found on the EKU Admissions website or in the Office of Admissions. For more information regarding the Student Success Agreement, see that portion of the catalog.

EASTERN BRIDGE SUCCESS FIRST PROGRAM

Refer to the Developmental Education and College Readiness section on page 44.

REQUIREMENTS FOR INTERNATIONAL STUDENTS

International applicants must also submit:

- (1) International application for admission and application fee.
- (2) TOEFL Scores-minimum requirement 530 (paper based), 195 (computer based), or 72 (internet based with no band score below 16) OR Official IELTS Scores- must have at least 5.0 in all categories and 6.0 overall. Prospective Japanese students may qualify with an EIKEN test score of Pre-1. Eastern Kentucky University will accept completion of level 112 from any English Language Services (ELS) program in lieu of TOEFL/IELTS Scores. Students may submit ACT or SAT scores with reading and English scores for consideration as demonstrated language proficiency.
ACT sub-scores of an 18 in English or 18 in Reading

OR SAT sub-score of 470 in Critical Reading, or 430 in Writing will also be sufficient to meet the English Language Requirement.

- (3) Declaration and Certification of Finances and a supporting bank letter, showing financial support to attend Eastern Kentucky University.
- (4) Official Secondary School Record(s) mailed to the Office of Admissions. Photocopies are not acceptable unless they are certified copies.
- (5) Official College or University transcripts (Photocopies of academic documents are not considered official unless they carry an original signature and stamp of authorization from the issuing institution). You must have a minimum institutional GPA of 2.0 and at least 24 credit hours from an accredited institution. University level courses taken at institutions outside of the U.S. must be evaluated by one of the following outside agencies (i.e. World Education Services (www.wes.org) or JSilny and Associates (www.jsilny.com). Questions regarding the process of foreign transcript evaluation may be directed to the Office of Admissions.
Photo copies are not accepted.
- (6) Application fee of \$35.

REQUIREMENTS FOR ADMISSION AS A TRANSFER STUDENT

To be admitted as a transfer student, you must:

- (1) Submit a final 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 any institution you have previously attended when good academic standing is not indicated on the official transcript.
- (4) Students with less than 24 college academic credits awarded since high school graduation will be considered first time freshmen for admissions purposes and will need to also submit ACT scores and high school transcripts. A student's college coursework and academic performance will be considered in determining admissibility. While ACT scores are not required for transfer students with greater than 24 credit hours earned since high school graduation, students are encouraged to submit scores for proper course placement in English, mathematics, and reading courses. If proficiency in English, mathematics, and/or reading cannot be established by a review of the college transfer record, students will be required to prove proficiency through testing or appropriate course completion. Questions may be directed to the Office of Academic Readiness, 859-622-1892.
***Note:** If you are admitted as a transfer student, your institutional 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

All previously enrolled EKU undergraduate students who have not attended Eastern Kentucky University for a period longer than 24 months must apply and be approved for readmission to the University before being allowed to continue taking classes.

Students who wish to return to EKU, who have an overall GPA that is equal to or greater than 1.5 and less than a 2.0, will return on Academic Probation status. These students will be assigned an academic coach in the Office of University Advising, and will develop an academic success plan with their coach before being allowed to register for classes. Continued enrollment is contingent upon adherence to their signed academic Student Success Agreement and meeting EKU Academic Standards Policy.

Students who wish to return to EKU but left with a GPA of less than a 1.5 must appeal for readmission through the Admissions Appeal Committee, in addition to submitting an application for readmission to the Office of Admissions. The form and instructions for an appeal for readmission can be found on the EKU Registrar's website (<http://www.registrar.eku.edu/Forms>; Academic Standing/Readmit Appeals Form).

If the student's appeal is approved he/she will be readmitted upon submitting an application for readmission. Both the application to the Office of Admissions, and the appeal to the Admissions Appeal Committee may be submitted simultaneously. The Admissions Appeal Committee may require an in-person interview during the appeal consideration process. If their appeal to return to EKU is approved these students will return on Academic Probation status. They will be assigned an academic coach in the Office of University Advising, and will develop an academic success plan with their coach before being allowed to register for classes. Continued enrollment is contingent upon adherence to their signed academic Student Success Agreement and meeting EKU Academic Standards Policy.

If a student has attended another institution since leaving EKU, and has been out of the University for longer than 24 months, his/her return to EKU will be considered under the readmission guidelines above instead of the student being considered a transfer student.

Students who have received a Developmental Dismissal must submit documentation (a transcript or official test scores) indicating that proficiency has been earned for any needed developmental coursework before they may be readmitted to the University.

See the "Stopping Out" procedure in Section Four for additional information.

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 or guidance counselor.

2. EKU Dual Credit

EKU's dual credit program is open to high school juniors and seniors, residing within Kentucky, who meet eligibility requirements, and whose school is partnering with ECU through a memorandum of agreement. Dual credit programs are designed to reduce degree cost and time to degree for Kentucky students. Academically strong high school students may qualify for reduced or free tuition. (See ECU Now! section below.)

Dual Credit students may enroll in a maximum of 2 courses per fall and spring semester of their junior and senior years in high school at the reduced dual credit tuition rate. They may also take advantage of the ECU "Summer 2" term, for a maximum of one course, at the reduced dual credit tuition rate, during the summer. A maximum of eight courses in total may be taken at the dual credit tuition rate.

Students may enroll at any ECU campus offering applicable courses. Courses may include general education courses or departmentally approved introductory courses for specific majors. Students may attend approved ECU courses on high school campuses via face-to-face, E-Presence, or online instruction. Students are required to meet all course pre-requisites.

EKU Dual Credit courses offered in the high school, are to be composed only of students enrolled for ECU Credit.

To qualify for ECU's Dual Credit Program, high school juniors or seniors must have a 3.0 high school GPA and have ACT/PLAN scores on file with ECU at the time of application. Students must have minimum ACT/PLAN subscores of 18 in English and 20 in Reading, with a minimum ACT/PLAN composite score of 20.

To apply for ECU Dual Credit, students must submit an online Dual Credit application, ACT scores and a high school transcript by the application deadline specified for each semester. A new application and supporting documentation must be submitted each academic year to continue. ECU waives the application fee for dual credit admission.

Dual Credit students will attend special advising sessions and register for courses during a specified period prior to the beginning of an academic semester. Advising and registration sessions will be available on each of ECU's participating campuses.

Continued participation in ECU's Dual Credit program is dependent upon successful completion of courses. Dual credit students are expected to maintain a 2.0 minimum institutional GPA. Students who earn a "D" or an "F" in a course(s) will be required to successfully repeat the course(s) and earn a 2.0 term GPA in order to continue in the dual credit program. Students who elect to repeat a course will contact the Office of the Registrar for registration approval and assistance. Students repeating courses will be charged full dual credit tuition.

ECU Now! is a scholarship program for dual credit students which provides the opportunity for qualifying juniors and seniors to earn free college credit. High school juniors and seniors with a 3.0 high school GPA, ACT/PLAN composite score of 21 and above, and ACT/PLAN scores of 18 in English, 19 in Math, and 20 in Reading are eligible to receive a dual credit scholarship for one course per semester. This scholarship will pay full dual credit tuition. ECU Now! participants who successfully maintain academic eligibility may earn scholarships for up to five free ECU courses and may include one summer course.

ECU Now! participants who maintain a minimum 3.5 unweighted high school GPA and a 23 ACT composite can earn

an additional four dual credit scholarships, one per semester, tuition free. These students will be designated Whitlock Scholar Candidates. Additional information regarding Whitlock Scholars can be obtained by calling 859-622-6532.

All dual credit students are responsible for the cost of textbooks and parking permits when applicable. Students electing to use the Student Recreation Center may request that this fee be added to their accounts.

NOTE: KYOTE test scores, ECU Placement Test scores, PARCC or Smarter Balanced scores may be substituted for ACT sub-scores. ECU Dual Credit scholarships will be applied after any KY Dual Credit Scholarships offered through KHEAA. When applicable, SAT conversion scores may be determined by ECU's Department of Academic Testing.

Additional information on college readiness scores is available from ECU Academic Testing: 859-622-1281 or visit <http://developmentaleducation.ecu.edu/>

Exceptions to the junior/senior status will be taken into consideration when a student meets one of the dual credit scholarship levels. Exceptions must be approved in writing by the high school principal. A student's academic and social maturity should be considered for the success of the student. The request will be routed through the Office of the Senior Vice President for Academics and Provost for final approval. These students may enroll in one course per semester prior to their junior and senior years in high school.

Exceptions to the high school GPA requirement for juniors and seniors will be taken into consideration upon the written recommendation of the high school principal. The request will be routed through the Office of the Senior Vice President for Academics and Provost for final approval. High schools may have a maximum of 2% of their ECU Dual Credit enrollment (or two students, whichever is higher) participating under the high school GPA exception.

3. Early High School Graduates

- Applicants must meet full admissions requirements to the university:
 - o A minimum GPA of 2.5 on a 4.0 scale
 - o Must meet Kentucky college readiness standards on ACT: English 18, Math 19, Reading 20
 - o A complete application consists of:
 - * ECU Application (online or paper)
 - * An Official High School Transcript
 - * ACT or SAT Scores
 - * \$35 Application Fee
- Applicants must have a date of graduation prior to the start of your intended term of entry. If the high school transcript does not include an expected graduation date, we may need additional time to follow up with your high school.
- The high school transcript must reflect that the student has completed at least 75% of our recommended high school course work (equivalent to completion of junior year) before we can make decision. For most early graduates, we expect to see at least six semester of high school work completed, though we may review transcripts with just five semesters completed for applicants graduating a full year early.

- A letter from the applicant's counselor, on official letterhead, stating that early graduation has been approved by the High School. If the student is completing early graduation through the State of Kentucky, a Letter of Intent must be completed as well.
- Admission is conditional until a final, official high school transcript has been received. Admitted students are not able to register for the second semester of enrollment until a final, official transcript has been received.

4. 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.

5. 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.
- (2) You must meet with an academic advisor to be advised and receive a RAC number;
- (3) 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 or college readiness requirements.

6. 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.

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 cumulative 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 Four General Academic Information or 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. The PCC better prepares students for college-level work and reflects high school graduation requirements established by the state of Kentucky, which include: 4 credits of English/Language Arts; 3 credits of Mathematics; 3 credits of Social Studies; 3 credits of Science; 2 credits or demonstrated competency in a World Language; 1 credit of History of Appreciation of Visual and Performing Arts; a ½ credit of Health; and a ½ credit of Physical Education.

Students under 21 years of age must complete the Pre-College Curriculum if they are admitted to the University as a degree seeking student, transfer to ECU with fewer than 24 credit hours, or transfer to the University with a GPA less than 2.0 on a 4.0 scale. PCC deficiencies must be remediated via placement in the appropriate General Education courses within the first 24 hours of enrollment, excluding developmental hours.

- Students with a pre-college curriculum deficiency in World Languages are required to complete six credit hours of an approved World Language. All six credit hours must be earned in the same World Language*.
- Students with PCC deficiencies in other subject areas (English, Mathematics, Social Studies, Science) will remediate those needs by following the ECU General Education curriculum.

Questions about Kentucky Pre-College Curriculum requirements may be directed to any of the following offices: Academic Readiness, Admissions, or Advising.

*EKU Courses to Satisfy World Language Pre-College Curriculum Requirements:

<u>Code</u>	<u>Deficiency Area</u>	<u>Course(s) Required</u>
FORL	World Languages	ASL 101, 102, FLS 101, 102, FRE 101, 102, GER 101, 102, JPN 101, 102, LAT 101, 102, SPA 101, 102.

*Courses also 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.

Any veteran of the Armed Forces of the United States or National Guard who is eligible for Post-9/11 GI Bill® benefits who enrolls as a student in the university as a non-Kentucky resident will be charged no more than the maximum tuition reimbursement provided under the Post-9/11 GI Bill® to public universities for eligible Kentucky residents. Veterans must submit a DD-214 or VA Certificate (Letter) of Eligibility for Post 9-11 (Chapter 33) GI Bill® benefits through the Office of Military and Veterans Affairs to the Office of Admissions to validate their eligibility for this provision.

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

RELATES TO: KRS 13B, 164.020, 164.030, 164A.330(6), 38 U.S.C. 3301-3325

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, such as 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 award at an institution;
 - (b) Baccalaureate degree or lower, including enrollment in a course by a nondegree-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) "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 for independence established in Section 5 of this administrative regulation.
- (5) "Determination of residency status" means the decision

- of a postsecondary education institution that results in the classification of a person as a Kentucky resident or as a nonresident for admission and tuition assessment purposes.
- (6) "Domicile" means a person's true, fixed, and permanent home and is the place where the person intends to remain indefinitely, and to which the person expects to return if absent without intending to establish a new domicile elsewhere.
- (7) "Full-time employment" means continuous employment for at least forty-eight (48) weeks at an average of at least thirty (30) hours per week.
- (8) "Independent person" means a person who demonstrates financial independence from parents or persons other than a spouse and who meets the criteria for independence established in Section 5 of this administrative regulation.
- (9) "Institution" means an entity defined by KRS 164.001(12) 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.
- (10) "Kentucky resident" means a person determined by an institution for tuition purposes to be domiciled in, and a resident of, Kentucky as determined by this administrative regulation.
- (11) "Nonresident" means a person who:
 - (a) Is domiciled outside Kentucky;
 - (b) Currently maintains legal residence outside Kentucky; or
 - (c) Is not a Kentucky resident as determined by this administrative regulation.
- (12) "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.
- (13) "Preponderance of the evidence" means the greater weight of evidence or evidence that is more credible and convincing to the mind.
- (14) "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.
- (15) "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 an institution, and includes student employment by the institution or a graduate assistantship.
- (16) "Sustenance" means:
 - (a) Living expenses, such as room, board, maintenance, and transportation; and
 - (b) Educational expenses, such as 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 a qualified individual who is domiciled in Kentucky and who is a resident of Kentucky.

- (2) In accordance with the duties established in KRS 164.020, 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) Unless otherwise indicated, this administrative regulation shall apply to all student residency determinations, regardless of circumstances, including residency determinations made by:
 - (a) The state-supported institutions for prospective and currently-enrolled students;
 - (b) The Southern Regional Education Board for contract spaces;
 - (c) Reciprocity agreements, if appropriate;
 - (d) The Kentucky Virtual University;
 - (e) Academic common market programs;
 - (f) The Kentucky Educational Excellence Scholarship Program; and
 - (g) 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:
 1. During the admission process;
 2. Upon enrollment in an institution for a specific academic term; or
 3. For admission into a specific academic program;
 - (b) A reconsideration of a determination of residency status by an institution based upon a changed circumstance; or
 - (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) If applicable, other materials required by an institution and consistent with this administrative regulation; and
 - (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 or sanction 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 admissions records indicate the student's residence to be outside of Kentucky when the student applied 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 enrolls at an institution more than half time;
 - (e) A person has a continuous absence of one (1) year from Kentucky; or
 - (f) A person attended an out-of-state higher education institution during the past academic year and paid in-state tuition at that institution.
- (2) A presumption arising from subsection (1) of this section shall only be overcome by preponderance of evidence 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 shall be 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 the requisite intent to establish domicile. A determination that a student is independent shall be one (1) step in the overall determination of whether a student is or is not a resident of Kentucky.
- (2) In determining the dependent or independent status of a person,

the following information shall be considered, as well as other relevant information available when 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; and
 - (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) If the parent or parents of a dependent person are Kentucky residents and are domiciled in Kentucky, but subsequently move from the state:
 - (a) The dependent person shall be considered a resident of Kentucky while in continuous enrollment at the degree level in which currently enrolled; and
 - (b) The dependent person's residency status shall be reassumed if continuous enrollment is broken or the current degree level is completed.

Section 7. Member or Former 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 when inducted 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 member's time of active service; or
 - (b) If the member returns to this state within six (6) months of the date of the member's discharge from active duty.
- (2) (a) A member of the armed services on active duty for more than thirty (30) days and who has a permanent duty station in Kentucky shall be classified as a Kentucky resident and shall be entitled to in-state tuition as shall the spouse or a dependent child of the member.
 - (b) A member, spouse, or dependent of a member shall not lose Kentucky residency status if the member is 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. If a member of the Kentucky National Guard is on active duty status for a period of not less than thirty (30) days, the member shall be considered a Kentucky resident, as shall the spouse or a dependent child of the member.
- (4) A person eligible for benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008, 38 U.S.C. 3301-3325, or any other educational benefits provided under Title 38 of the United States Code shall be entitled to Kentucky resident status for purposes of tuition charged at state-supported institutions.
- (5) 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 designation 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 as defined in Section 1(6) 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:
- Is an undocumented alien;
 - Holds a visa listed in subsections (2) or (3)(a) of this section; or
 - 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 granted by the federal government.
 (b) A person who has petitioned the federal government to reclassify his or her visa status based on 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) A determination of Kentucky domicile and residency shall be based upon verifiable circumstances or actions.
 (b) A single fact shall not be paramount, and each situation shall be evaluated to identify those facts essential to the determination of domicile and residency.
 (c) A person shall not be determined to be a Kentucky resident by the performance of an act that is incidental to fulfilling an educational purpose or by an act performed as a matter of convenience.
 (d) Mere physical presence in Kentucky, including living with a relative or friend, shall not be sufficient evidence of domicile and residency.
 (e) A student or prospective student shall respond to all requests for information regarding domicile or residency requested by an institution.
- (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:
- 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;
 - 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;
 1. Filing a 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;

- Full-time employment of at least one (1) year while living in Kentucky;
- 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;
- 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;
- Obtaining licensing or certification for a professional and occupational purpose in Kentucky;
- Payment of real property taxes in Kentucky;
- 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;
- Marriage of an independent student to a person who was domiciled in and a resident of Kentucky prior to the marriage; and
- 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:
- Kentucky automobile registration;
 - Kentucky driver's license;
 - Registration as a Kentucky voter;
 - Long-term lease of at least twelve (12) consecutive months of noncollegiate housing; and
 - Continued presence in Kentucky during academic breaks.
- (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.

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

- 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 the institution.
- Upon transfer to a Kentucky institution, a student's residency status shall be assessed by the receiving institution.
- 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.

- A student shall report under the proper residency classification, which includes the following actions:
 - Raising a question concerning residency classification;
 - Making application for change of residency classification with the designated office or person at the institution; and
 - 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 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) The formal hearing conducted by an institution and the final recommended order shall be a final administrative action with no appeal to the Council on Postsecondary Education.
- (b) A formal administrative hearing conducted by the Council on Postsecondary Education for residency determinations related to eligibility for the Academic Common Market and Regional Contract Programs shall be conducted pursuant to the provisions of KRS Chapter 13B and 13 KAR 2:070. The recommended order issued by the President of the Council shall be a final administrative action.
- (5) A student shall not be entitled to appeal a determination of residency status if the determination made by an institution is 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 administrative 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 shall:

- (a) Be a person not involved in determinations of residency at an institution except for formal hearings; and
 - (b) 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; and
 - (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 for 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.

Adopted effective April 5, 1991; Amended effective May 16, 1996; Amended effective June 16, 1997; Amended effective July 13, 1998; Amended effective June 7, 1999; Amended effective November 12, 2002; Amended effective April 2, 2010; Amended effective June 9, 2015.

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. This Regulation can be found in the current Undergraduate Catalog and the current Graduate Catalog and copies are available upon request from the Office of Admissions, located in the Whitlock Building, Room 112 or by calling (859) 622-21-6 or 1-800-465-9191.

2. INSTITUTIONAL ADMINISTRATION OF THE RESIDENCY POLICY

The Council on Postsecondary Education 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, Whitlock 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 Dean of Students Office **NO LATER THAN THIRTY (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. Requests for reclassification are to be made in affidavit form on the form available from the Office of Admissions or the Dean of Students Office. 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 case 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 Executive Director 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, Student Accounting Services, 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 Executive Director for Enrollment Management, Whitlock Building, Room 436, CPO 69, Richmond, KY 40475-3163, in writing, within fourteen (14) calendar days after notification of the Residency Review Committee's determination. The Executive Director 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, Student Accounting Services, 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.

SECTION THREE

STUDENT SERVICES

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DIVISION OF FINANCE & ADMINISTRATION & TREASURER

The Division of Finance and Administration coordinates the following areas of University operations: 1) Accounting and Financial Services, 2) Budgeting & Financial Planning, 3) Business Services, 4) ECU Center for the Arts, 5) Facilities Services & Capital Planning, 6) Human Resources, 7) Information Technology Services, 8) Parking & Transportation, 9) University Police & Public Safety, 10) Environmental Health & Safety, 11) Purchases and Stores, 12) Sustainability, 13) Student Accounting Services, and 14) University Card Services. Additionally, the following contractual departments report to the University through the Division of Finance and Administration: 1) ECU Dining Services, and 2) ECU Bookstore.

Students may view the mission statement of each of the above areas by visiting the Division of Finance and Administration web page at <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 or diploma be released until the debt is paid. Any student indebted to the University who cannot meet his or her financial obligations within the time limit prescribed is responsible for calling on the division of Student Accounting Services 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 online via EKUDirect (on the ECU home page at 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 through end of 2nd week of class	75%
From end of 2nd week through end of 3rd week of class	50%
From end of 3rd week through 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.

FINANCIAL APPEALS

An appeals process exists for students who feel that individual circumstances warrant exceptions from published policy. Financial appeals may be submitted if a student had an unforeseeable

and unavoidable situation during the semester the charges were incurred that prevented them from attending classes and completing the semester. All appeal letters should be submitted by the student in writing clearly stating the reason for the appeal.

Documentation should be attached to all appeal letters to validate the situation. Circumstances that do not qualify for financial appeal include pre-existing conditions, routine pregnancy, employment opportunities and financial hardship, including denial of financial aid. In most cases, any refund that is the result of an approved appeal will be returned to the source of the payment, the student, the financial aid lender, or a third party entity. Financial appeals should be submitted to the Financial Appeals Committee, Whitlock Building CPO 60, 521 Lancaster Avenue, Richmond, KY 40475.

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.

BARNES & NOBLE AT ECU BOOKSTORE

Keen Johnson Building
Phone: (859) 622-2696
Fax: (866) 504-8325
www.shopeku.com

The Barnes & Noble at ECU Bookstore is located at the heart of campus in the Keen Johnson Building. The Bookstore is the place for one-stop shopping on all ECU licensed merchandise, textbooks, and much more. It offers a wide variety of products, services, and events including:

- Rental, Digital, Used, and New textbooks – all the options are available.
- Class Supplies
- Trade books, gift items, greeting cards, diploma frames, nursing shop.
- Convenience items
- Under Armour, Nike, Champion, Cutter & Buck, and much more
- Computers and computer supplies
- Backpacks
- Online textbook reservations
- Barnes & Noble gift cards
- Book signings
- Graduation Cap and Gowns
- Faculty receptions

The Barnes & Noble at ECU Bookstore works diligently with departments, faculty and staff to ensure that textbooks and products required for each class are readily available to students. Textbook requests are required from the departments and faculty by these dates:

- March 1 For the upcoming SUMMER sessions
- April 1 For the upcoming FALL semester
- October 1 For the upcoming SPRING semester

Textbook requests are required by the above dates for the following reasons:

- to allow ample time to receive all textbooks from the publishers in a timely manner
- to give out the most cash back to students during Book Buyback
 - Book Buyback begins directly before Finals Week
 - If faculty use the same textbook in the next session, students will receive up to 50% back on their textbooks. But only if the textbook adoption is on file!
- to allow time to review orders and make any additional corrections if needed

Regular EKU Bookstore hours are:

Monday-Thursday	7:45 a.m. - 6:00 p.m.
Friday	7:45 a.m. - 5:00 p.m.
Saturday	11:00 a.m. - 3:00 p.m.

The Bookstore is open extended hours during the beginning and end of each semester and during special events.

CARD SERVICES

114 Powell Student Center
Phone: (859) 622-2179 Fax: (859) 622-8089

Card Services provides students with a variety of services regarding their EKU student identification card, the Colonel 1 Card. This identification card is used for meal plans, Colonel Cash, campus vending machines, and the EKU Bookstore. In addition, EKU has partnered with BankMobile for refund disbursements and to add optional banking solutions.

Card Services is responsible for issuing new and replacement identification cards. Card Services will assist with troubleshooting potential card issues experienced by students, faculty, and staff. Students, faculty, and staff may purchase meal plans and add money to their accounts in the Colonel 1 Card Office.

The Colonel 1 Card will allow students access to the following:

- Athletic events
- University Library facilities
- Cashing checks
- Campus recreation
- University sponsored events
- Student Health Services

The Colonel 1 Card has three different accounts associated with the card:

- **Colonel Cash** - This is a prepaid account that can be used at the EKU Dining Services locations, the EKU Bookstore, campus vending machines, and a select number of participating off-campus merchants. This account will carry balances over from semester-to-semester.
- **Meal Plans** - EKU Dining Services has several different meal plans to accommodate any student's needs. Meal plans can be used at any EKU Dining Services location. **Who Needs A Meal Plan?** All students enrolled in 9 or more credit hours will participate in the \$300 Dining Dollar program. Freshman residential students will be automatically assigned the mandatory 5 day all access meal plan to include the \$300 Dining Dollar Program (non-refundable). Meal plans may be upgraded anytime during the semester and only downgraded within the first two (2) weeks of the semester.

Please check with EKU Dining Services regarding available meal plans, terms and conditions associated with meal plans. All questions regarding the meal plan definitions, usage, and refund policy (only available with the \$300 Dining Dollar program) should be directed to the EKU Card Services Office.

All meal plans (mandatory and/or voluntary) are non-refundable and non-transferable.

Please note that EKU Dining Services follows the same refund schedule, for full term, which is outlined by the University. (See Refund Policy above.) EKU's Colonel Compass <http://colonelscompass.eku.edu/deadlines> lists all important dates and deadlines associated with each term.

- **Optional Flex** - This is a prepaid account that can be used at any EKU Dining Services location. Please check with EKU Dining Services regarding terms and conditions associated with this account.

Students may purchase meal plans by logging into EKU Direct and add money to their accounts by logging into EKU GET Funds. Faculty and staff may purchase meal plans in the Card Services Office.

Acceptable methods of payment for meal plans, Optional Flex, or Colonel Cash accounts are cash, check, Visa, Mastercard and must be paid in Student Accounting. Meal plans, when selected on EKU Direct, will be assessed to the student account.

The Colonel 1 Card Office is open during the following normal business hours:

Monday through Friday	8:00 a.m. – 4:30 p.m.
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The Office of University Card Services follows the University holiday schedule.

The Colonel 1 Card is property of EKU and is issued for convenience. It must be presented (or surrendered) upon request by authorized officials of the University. Any expenditure associated with the use of this card is the responsibility of the holder until it is reported lost/stolen. A fee will be charged for damage made to the identification card or if the card is lost or stolen. The loss of a card must be reported immediately to the Colonel 1 Card Office, Powell Student Center, (859) 622-2179.

EKU DINING SERVICES

17 Powell Building
Phone: (859) 622-3691
Fax: (859) 622-6226
www.ekudining.com

EKU Dining Services offers a variety of dining alternatives including fresh food options, an assortment of brand restaurants, catering, and athletic concessions. It is the goal of EKU dining to provide high quality and satisfying dining experiences for the whole campus community.

The Fresh Food Company and Stratton Café offer freshly cooked foods in a comforting atmosphere. The Fountain Food Court blends the signature brands Grille Works and Zoca Fresh Mex with the famous national brands Chick-Fil-A, Jump Asian Express, and Subway. Java City at the Crabbe library and Einstein Bros. Bagels in the Moore Building offer gourmet coffees, bakery items, as well as grab & go salads and sandwiches. Starbucks is

located nearby in the Weaver Building. EKU Dining Services also operate five convenience stores throughout campus including the P.O.D. (Provisions On Demand) in the Fountain Food Court. In order to provide better convenience to students, the C3 Express stores in Telford, Keene, and Martin Hall stay open late and the Fountain Food Court is open until 2 a.m.

EKU Dining Services also provides full-service catering. The dedicated catering staff provides a variety of services for both on-campus and off-campus events. A special Student Catering Guide is available to accommodate the dynamic requirements of students. Tremendous emphasis is placed on actively measuring customer satisfaction, responding to a changing environment, and continuous improvement. EKU Dining Services is dedicated to helping the EKU campus thrive!

ADDITIONAL STUDENT SERVICES

The International Alumni Association

Richards Alumni House
Phone: (859) 622-1260 Fax: (859) 622-6620
www.eku.edu/alumni

The Eastern Kentucky University International Alumni Association serves as a link between the University and its alumni by maintaining records, fostering communication, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients and former students with 25 or more credit hours are considered alumni of EKU. The International Alumni Association is served by a board of 25 alumni volunteers, representing the diversity of our alumni constituency, who meet three times annually. Their work includes selection of the Alumni Awards, Alumni Scholarship recipients and other duties.

In addition to active Alumni Chapters, the Alumni Association coordinates multiple gatherings across the nation to encourage alumni and friends of EKU to come together.

Other regular Association activities include Alumni Weekend held annually in April and Fall Homecoming. These events bring alumni back to campus to reconnect with their classmates as well as giving the opportunity to see students and learn about our academic programming.

The International Alumni Association helps to publish an Alumni Directory, usually every five years. This directory is a compilation of information about alumni including their name, class year, occupation and contact information.

Community Service and Student Engagement

128 Powell Building
Phone: (859) 622-3855
www.communityservice.eku.edu

Who We Are

Office of Community Service and Student Engagement, located within the Office of Student Life, directs the University's community service programs. The Office coordinates a variety of service opportunities throughout the year that EKU students, faculty, and staff can participate in both on and off campus.

Whether it's to fulfill a class requirement or just to get involved, students looking for volunteer opportunities can visit the Office of Community Service and Student Engagement to get connected with local volunteer and leadership opportunities that meet their individual needs and fit their busy schedules! From

working to protect sea turtles over spring break to building a home for a family over the summer in Honduras, to planting trees on reclaimed mine sites in eastern Kentucky to making fleece blankets and pillows on campus for children, there are a multitude of opportunities to give back locally, nationally, and internationally! Please contact us to find out more about the different ways you can get actively involved in your world through service!

The Office also serves as a resource to the campus for all things service related! Need to volunteer for a class? Want real-world, hands-on experience related to your major or a possible career? Want to explore a new part of the country or world? Interested in planning a service and need some assistance? Just call, email, or stop by! We are always happy to help!

What We Do

- Promote a culture of service to the EKU community to enhance student learning and personal development while teaching the need for civic responsibility and life-long service.
- Offer diverse programming ranging from one-time service events to on-going year-long opportunities meeting a range of needs in our local communities.
- Expose EKU students to diverse cultures and populations through community service activities.
- Provide a centralized location for EKU students, faculty and staff to connect with local community agencies.
- Educate students, faculty, and staff on how to plan, organize, and carry out community service events.
- Work with Registered Student Organizations (RSO's), Living Learning Communities, and individual students to counsel and connect them with local volunteer and leadership opportunities.
- Provide local community partners with an accessible location on the EKU campus to publicize volunteer opportunities and recruit student leaders.

EKU Division of Public Safety

Police Department and 9-1-1 Center
701 Vickers Drive
Phone: (859) 622-1111 Fax: (859) 622-2243
www.police.eku.edu

The mission of the Eastern Kentucky University Police Department is to enhance the quality of life by providing a safe and secure environment through professional service to the community. The success of our mission depends on this partnership utilizing a community policing philosophy. The department places high priority on honesty and integrity and values the need for effective and open communication with the community we serve. We value our employees and are committed to their professional development.

The University offers a variety of informational programs that inform students and employees on safety and security issues, including how to report crimes and how to prevent crimes. These programs are available on request by student groups, employees, or individuals. These programs include, but are not limited to:

- Crime Prevention and Security Awareness
- Drug and Alcohol Abuse Education Program
- Sexual Assault Prevention
- Residence Hall Security
- Alcohol Awareness
- Drug and Alcohol Abuse Prevention

- Female Assault Prevention
- General Crime Prevention
- Hall Staff Training
- Harassing Communications Prevention
- Rape Aggression Defense (RAD)
- Residence Hall Security
- Student Orientation to Public Safety
- Others

The University Police provide 24-hour patrols of the Eastern Kentucky University campus buildings, parking lots, residence hall exteriors, and campus grounds. University police officers have county-wide law enforcement authority, although our primary jurisdiction encompasses all University property and all roads and streets adjacent to the campus. The University Police also have the authority to investigate crimes committed on University property anywhere in the state.

The Eastern Kentucky University Police Department includes 24 sworn police officers, 7 dispatchers, and several student Safety and Security officers. University Police maintain high visibility on campus through the use of police cruisers, bicycle patrol and foot patrol.

The campus police department also houses 2 full-time detectives whose primary responsibilities are investigations and working closely with surrounding agencies. The Eastern Kentucky University Police department has an excellent working relationship with state, local, and federal law enforcement agencies and other emergency providers.

The EKU Police Department is open 24 hours a day. All Criminal Activity and Other Emergencies on the Richmond Campus should be reported immediately by dialing 911 from any campus telephone or, if by cell phone, (859) 622-1919 (we recommend programming this into speed dial). Non-emergency calls can be made by dialing (859) 622-1111 or (859) 624-2947. The hearing impaired may access the Department's TDD by calling (859) 622-6279.

<http://police.eku.edu/>
<http://police.eku.edu/eku-tip-reporting>

Emergency Management

It is important for everyone to have some basic emergency preparedness information. Knowing what to do in the event of a fire, tornado, hazardous materials release, or active shooter can be critical to your safety in an emergency situation. Below is some safety guidance and more can be found on the Emergency Management web page, the Emergency Guide Poster, and the Emergency Action Plan:

<http://emergency.eku.edu/emergency-action-quick-reference-and-sheltering-place>
http://emergency.eku.edu/sites/emergency.eku.edu/files/eku_emergency_guide_-_version_7.pdf
http://emergency.eku.edu/sites/emergency.eku.edu/files/1_eku_general_emergency_action_plan_-_template_-_10142016.pdf

Emergency Management would like to remind the community that we are all empowered and responsible for our own safety. When emergencies occur, first responders will be summoned and will respond to the scene of the incident. Responder priorities will be to stabilize the event, protect human life and health, protect the environment, and protect property. Help will come, but it will take some time to get to the affected individuals. The EKU

Emergency Action Plans were written to provide everyone with practical information, which can be used to make good decisions, and help individuals to be safe in times of crisis. The Emergency Action Plans inform you of what you can do, and the Emergency Notification System informs you that there is an emergency.

Rave Mobile Safety

With Rave Mobile Safety, you can manage your own contact information. We encourage you to review your information on a regular basis, and make changes to it as your circumstances change. It is easy to maintain your information. You can use this link and follow the instructions to manage your contacts.

http://emergency.eku.edu/sites/emergency.eku.edu/files/emergency_notification_system_-_contact_information_management.pdf

Current Students, Faculty, and Staff:

Log on to EKU Direct (https://web4s.eku.edu/pls/prod/twbkwbis.P_WWWLogin).

Enter your User ID and PIN.

In the Main Menu, click on the Rave Mobile Safety - Emergency Notifications link.

Register to receive text, voice, and/or email messaging.

Click the Add Buttons to populate Mobile Phones, Voice Only Line Contacts, and Emails.

If you are affiliated with certain groups, like Model Lab School or the EKU Regional Campuses, you can join them to receive notifications that they send out.

Click the Groups tab, select the desired group(s) from the Official Groups list or from the Find Groups tab, and at the Group Status, click Join.

You can leave any group by selecting the group(s) and at the Group Status, click Leave.

Note: Email messages are automatically sent to all current EKU email addresses. You cannot opt-out of receiving messages on your EKU email account.

Note: In order to receive texts and voice calls, you must opt-in and register your phone numbers.

(Important: Students should re-enroll their mobile phone numbers at the beginning of every semester)

Note: EKU does not charge for text service; however, your carrier may have standard text messaging charges.

Other Community Members:

Go to the (Get Rave) EKU Rave Registration page (<http://www.getrave.com/login/eku>).

Note: You may have to search the Rave Site Look-up Page by typing Eastern Kentucky University.

Click the Register Button in the upper right hand portion of the screen.

Follow the prompts to register your information and select to receive text, voice, and/or email messaging.

Note: EKU does not charge for text service; however, your carrier may have standard text messaging charges.

Live Safe Mobile App

We encourage all members of the campus community to download and use the LiveSafe mobile app.



Google Play



iTunes

Parking and Transportation Services

Division of Policy, Compliance and Governance

Mattox Hall Suite A

Phone: (859) 622-1063 Fax: (859) 622-2243

www.parking.eku.edu

Eastern Kentucky University Parking and Transportation Services provides parking and transportation options in support of the University's mission, by providing quality customer service and proper management of parking and transportation resources. This mission is accomplished by enforcing applicable parking rules and regulations, providing safe and efficient transportation services, conveying a positive attitude, and requiring the highest standards of personal and professional conduct.

Parking Services provides parking information, issues parking permits for the campus community and visitors, coordinates parking for special events, and enforces parking rules and regulations.

Transportation Services provides day and evening shuttle transportation and motor pool/fleet services.

See the Parking and Transportation website (www.parking.eku.edu) for additional parking and transportation information including parking regulations, shuttle schedules, and hours of operation.

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.parking.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, and the Powell West Visitor Lot.

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. Evening parking for vehicles without permits is available in the Alumni Coliseum Lot from 4:30 p.m. to 2:00 a.m., Monday through Friday, and all day Saturday and Sunday.

Visitors may obtain temporary permits 24 hours a day, 7 days a week at the Parking Office or Police Dispatch Center located in

Mattox Hall, behind the Whitlock Building. Short term temporary parking permits, not to exceed 5 days, are available to individuals who have not registered a vehicle.

Speech-Language-Hearing Clinic

Wallace Building 278

Phone: (859) 622-4444

www.slhclinic.eku.edu

The Communication Disorders Program in the Department of Special Education offers free 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, swallowing, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, voice disorders including laryngectomy, swallowing, speech and language problems resulting from stroke or head injury, language disorders related to learning disability, and speech and language problems of individuals in areas of exceptionality such as mental handicap, developmental delay, cerebral palsy, cleft palate, hearing impairment, autism spectrum disorder, and emotional/behavioral disorder.
3. Accent modification for speakers of English as a second language and those desiring Standard English skills.

Anyone interested in the above services should contact the Clinic Office Associate at (859) 622-4444, Wallace 278, or visit the Clinic website: www.slhclinic.eku.edu

Student Publications

Eastern Kentucky University provides a variety of laboratory experiences through student publications. The Eastern Progress Advisory Board has been established to provide professional involvement in the activities of The Eastern Progress, the University's student newspaper. Academic and support units coordinate the institutional support of student 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 the same 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 6,000-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 more than 20 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 online at www.easternprogress.com.

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 (fiction and poetry) at the time of the spring publication.

TECHNOLOGY AND RELATED RESOURCES

IT Help Desk Combs Building 208

Phone: (859) 622-3000

Website: it.eku.edu

PASSWORDS & ACCOUNTS are sent by mail to all students when admitted to EKU.

- Students receive a student ID number: this is your I.D. for all official records and your login to EKU Direct. This ID starts with a “900” or “901”.
- Each student also receives an EKU username. The username is based on your first name_last name (ie: John Smith=John_Smith). Your username and password provides secure access to Blackboard, EKU myMail, campus computers, and various other electronic resources.
- View all articles related to passwords at it.eku.edu. Type “password” in the search bar.
- myMail (Student Email) All EKU students receive a web-based email account. The email account provides students with a 25GB mailbox and many more options. Students can keep their EKU myMail account after graduation.
- Microsoft Office 365 PRO is free for all registered students through their official myMail account. Find out more at myMail.eku.edu

THE IT WEBSITE offers more than 150+ support articles about EKU technology. The IT Search is keyword specific. Visit it.eku.edu to view the support articles and find out more about IT at EKU.

EKUDIRECT provides access to a wide range of data for students (pending admit through graduation). Students register for classes, secure parking permits, check grades and more with EKU Direct. Directions for EKUDirect: it.eku.edu/ekudirect

DEGREEWORKS helps students plan an academic roadmap to graduation. DegreeWorks, along with your advisor, will ensure you are on the right track to graduate. View DegreeWorks Video Tutorials at registrar.eku.edu/degreeworks-video-tutorials

BLACKBOARD is EKU’s course management system. Students are automatically enrolled in Blackboard upon registration. Sites do not appear for students until the instructor opens them. Blackboard is used for all online courses and many on campus courses. Learn more about blackboard at learn.eku.edu

ResNet is the EKU residential network and provides high-speed internet access in all residence halls.

WIRELESS INTERNET ACCESS is available at EKU. Both secured (requires username and password) and unsecured (guest) wireless is available campus wide. Wireless access is available to all on the EKU campus by connecting to eku_guest. To configure your PC for wireless access visit: it.eku.edu/support/wireless. View all articles related to wireless at it.eku.edu. Type “wireless”

into the search bar.

COMPUTER LABS are located in Crabbe Library, Powell Building and the Whitlock Building.

IT SERVICE/HELP DESK is the computer user’s first point of contact for all service issues, questions, troubleshooting and consultation. Call 622-3000 for assistance or complete the IT Service Request Form on the IT homepage, it.eku.edu. Find out more about the IT Service/Help Desk: it.eku.edu/help-desk

Login to EKU is located in the top right corner of the EKU homepage. Select Login to EKU for access to: Blackboard, EKUDirect, myMail, and My Colonel Corner.

PEER-TO-PEER SOFTWARE must be removed before accessing any IT services. Peer-to-peer software including LimeWire, Frostwire, BitTorrent and Vuze are not permitted on the EKU network. Downloading copyrighted materials and illegal downloading of music is prohibited.

View Code of Ethics for Computing & Communications: it.eku.edu/codeofethics

NOTE: IT @ EKU will NEVER request passwords or other personal information via email. Messages requesting such information are fraudulent and should be deleted.

SECTION

FOUR

DIVISION OF STUDENT SUCCESS

Dr. Eugene Palka
Vice President for Student Success
Whitlock Building 537, (859) 622-8835
www.studentsuccess.eku.edu

To ensure that students gain the most from their college experience, the Division of Student Success offers a wealth of academic support resources, student services and social enrichment opportunities to foster exploration, discovery, growth and achievement. By fully engaging in all aspects of your education, you'll receive an immeasurable return on your investment of time and dedication throughout your life.

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Office of Admissions

Whitlock 112
(859) 622-2106

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

Orientation

Orientation is phase one of the first year experience for new students. During Orientation, students and families visit campus, meet with faculty, staff, and students, and learn more about life at Eastern Kentucky University. Students also register for their first semester of classes. Representatives from many areas are available during Orientation to answer questions about financial aid, tuition payment, housing, dining services, and tutoring services. There are various dates and schedules for first year, transfer and high achiever students.

Bratzke Student-Athlete Academic Success Center

Ms. Monika Banbel, Director
Alumni Coliseum 103
(859) 622-6648
WWW.SAASC.EKU.EDU

The Bratzke Student-Athlete Academic Success Center provides an academic support program and a multifaceted academic resource 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, as well as monitoring progress to ensure all student-athletes meet their academic eligibility requirements as determined by the NCAA, OVC, and EKU.

Bratzke Center programs include academic advising, academic monitoring, mentoring, supervised studying, tutoring, and personal counseling, as well as referrals to other academic support programs on campus. Each student athlete's academic progress is monitored closely, throughout their EKU enrollment to facilitate graduating with the highest grade point average possible, while maintaining NCAA eligibility throughout their collegiate athletic career.

The Bratzke Center also sponsors a Life Skills program designed to promote student-athlete growth in five commitment areas: academics, athletics, personal development, service, and career development. Throughout the year the Center plans and coordinates outreach activities for student-athletes in support of the local community and Eastern Kentucky.

Campus Recreation

Fitness and Wellness Center, SRC 105
Phone: (859) 622-1244 Fax: (859) 622-6754
www.campusrec.eku.edu

The Department of Campus Recreation provides a variety of diverse facilities and recreational opportunities to the university community. The department promotes wellness for students, faculty and staff by encouraging the development of lifelong skills and positive attitudes through health education, fitness programs, adventure programs, intramural sports, and message therapy.

Campus Recreation oversees the operation of the **FITNESS AND WELLNESS CENTER**. The Fitness and Wellness Center is a state-of-art facility which includes:

- Full line of weight and fitness equipment
- Locker Rooms
- Climbing Wall
- Bouldering Wall
- Group Exercise Room
- Multipurpose gymnasiums
- Indoor Track
- Student Lounge with computers
- Full Swing Golf Simulator

The department is also responsible for the Burke Wellness Center, Begley and Weaver gymnasiums, outdoor basketball courts and intramural field complex.

The Fitness Program offers a variety of group fitness classes each week and are taught by trained, motivated and friendly instructors. All fitness levels are welcome and each group fitness class is offered at no charge. Examples of group fitness classes are step, yoga, pilates, group cycling, and much more.

For those who need a more personal touch, we offer very affordable personal training by certified personal trainers. Personal training is a great way to attain one-on-one instruction incorporating exercise plans, goal-setting and health education.

Adventure Programs offers a wide variety of trips and workshops each semester. Previous trips have included: hiking and camping, backpacking, kayaking/canoeing, spelunking, white water rafting, climbing, canyoneering. The climbing and bouldering walls are an exciting and engaging alternative to traditional exercise. In addition, Adventure Programs provides an extensive amount of outdoor equipment so you may embark on your on adventures. Examples of outdoor rental equipment are tents, mountain bikes, kayaks, cook stoves, canoes and much more.

Intramural Sports have been a campus tradition at EKU for over 50 years. Students play with their friends or organizations and compete against fellow Eastern students. Examples of activities offered are flag-football, soccer, volleyball, corn hole, dodge ball, golf, basketball, and much, much more. There are also numerous individual and dual events.

Massage Therapy offers several modalities such as relaxation, hot stone, deep tissue, therapeutic massage. It is a holistic therapy that reduces the heart rate, lowers blood pressure, increases blood circulation and lymph flow, relaxes muscles, improves range of motion, and increases endorphins, the body's natural painkillers. It has been said that, "Massage is to the human body what a tune-up is for a car."

Health Education (H.E.A.T.) is a peer education program geared towards empowering students with knowledge and facts concerning health issues. Health education presents information on alcohol, obesity, sex, drug abuse, eating disorders, tobacco, and much more. The aim is not to enforce ideas but to assist students in making better informed decisions by providing students with the proper tools, knowledge, and self-worth.

The Center for Career and Cooperative Education

Ms. Gladys T. Miller, Director
Whitlock Building 468
(859) 622-1296

The Center assists students in achieving their career-related goals. Services include career exploration, job-search planning, and the development of job search tools/resources for co-op/internships, part-time jobs and full-time professional positions.

Co-op and Applied Learning (Internships)

Cooperative Education (Co-op) and Applied Learning (Internship) provide 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. Acceptance of a co-op/applied learning position for academic credit is contingent upon a suitable learning objective approved by both the employer and the appropriate university official.

Eligibility:

- Faculty Coordinator approval
- Completion of a minimum of 30 credit hours prior to enrolling; transfer students required to complete at least one semester at EKU
- Minimum of 2.0 grade point average (GPA); some departments require a higher GPA
- Salary (for co-op jobs) must be within State and Federal wage guidelines

Academic Credit:

- Determined by the academic college or department
- May earn .5 to 8 hours credit per semester
- Minimum of 80 hours of employment for each semester hour of academic credit, including .5 half credit (students must work to the end of the semester). Co-op is 16 weeks for spring and fall semesters and 12 weeks for summer term. Internships have more flexibility, but must be pre-approved.
- Maximum of eight semester hours toward meeting requirements for the associate degree and sixteen hours toward the bachelor's degree.
- Credit awarded for co-op/applied learning only when the student is enrolled in the University and in compliance with the Center for Career and Cooperative Education
- Students who are not able to complete their experience in one semester will receive a grade of IP and be allowed one calendar year to successfully complete all requirements. Students who do not successfully complete a co-op experience within the one calendar year maximum timeframe will receive a grade of "F" or "U" depending upon the grade mode.

Work Requirements:

- A supervisor assigned by the employer to provide direction and coordination on the job; also responsible for submitting midterm and final evaluation reports on the student
- Grades assigned by the Faculty Coordinator in accordance with criteria established by the Center for Career and Cooperative Education and the student's academic college/department.

Program Options:

- Parallel plan: students work part-time for multiple semesters (three or more semesters) while maintaining a full-time course load.
- Alternating plan: students employed full-time, alternating classroom training with work-based training for a period of two or more semesters, following the employer's schedule. Students may also 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: developed to meet the needs of the student and employer

- Students typically will return to the same location for each assignment with increasing responsibilities; however, may be allowed to work for several employers in varying situations as long as the work is related to the student's career goals and those of the program
- Students participating in the Applied Learning (Internship) Program must meet the eligibility requirements of the Co-op Program, but may choose to work only one semester in either a paid or non-paid assignment or in any assignment that does not meet the Cooperative Education multiple term or length requirements.

Career Exploration

Students who need major and career guidance are provided assistance with their decision making. The Center can provide information about opportunities, career paths, labor and market information, salaries, and potential employers. Career assessment tools and career counseling appointments are available to help students expand their self-awareness of "best fit" career options according to students' personality, strengths, interests and values.

Part-Time Job Program

The Part-Time Job Program gives students opportunities to obtain part-time, temporary, and summer employment with local and regional businesses. Students who participate in the program gain experience in the workforce while networking in the community. The Part-time Job Program is open to all currently enrolled EKU students.

Job Search Preparation

The Center staff offers individual appointments, workshops, online tools and other resources to help students with career and job-search preparation. They can help with resumes and cover letters, tips on job search strategies, professional dress, dining etiquette, interviewing skills, networking, social media, and applications to graduate and professional schools.

Connecting with Employers

The Center staff assists students in identifying and connecting with potential employers through job/career fairs, on-campus interviews, individual appointments, online tools, and other resources. The Center's database is an easy to use and innovative system that gives students and alumni access to jobs postings and employers targeting EKU students.

Counseling Center

Whitlock Building 571

Phone: (859) 622-1303 Fax: (859) 622-1305

www.counseling.eku.edu

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. Counseling is offered on a short-term basis. Referral is provided when the need for counseling services is beyond the role and scope of the Counseling Center. Substance abuse assessment and counseling are also available at the Counseling Center. Psychiatric services are available on a limited basis for students receiving counseling in the Counseling Center where medication is indicated. Counseling relationships are considered confidential as delineated by the APA

Code of Ethics and, to the extent permitted by law, federal and Kentucky state law. Counseling services are available to students who are officially enrolled and taking classes at the time the service is provided.

Counseling Services

Counseling is viewed as another form of learning while in college. Typical college student concerns that may result in counseling are: adjustment to college, interpersonal conflicts, dealing with loss, test anxiety, time management, stress, academic pressures, anxiety, depression, motivation, substance abuse, traumatic experiences, eating concerns and choice of a major. Students can make appointments by calling (859) 622-1303 or dropping by the Counseling Center.

Career Counseling Seminar (GCS 199 - one credit hour)

This course is offered each semester for students who are unsure of their major and career direction. Forty sections are offered each year and are taught by the Counseling Center staff and part-time staff.

“Tuesdays with the Counseling Center”

The Counseling Center offers workshops to address top mental health concerns. Top student issues include: stress management, procrastination, time management, ingredients of effective relationships, study skills and test anxiety.

Services for Faculty and Staff

The Counseling Center staff also provides consultation to the University community on referral and how to be most helpful to the distressed student. When a faculty member wishes to refer a student for immediate help, it is recommended that the faculty member call and speak with a counselor for consultation to discuss the appropriate action. A downloadable document called “The Decision Making Tree” offers step-by-step guidelines on how to respond to students in distress at the Counseling Center website at: <http://www.counseling.eku.edu/>

EKU Housing

Whitlock Building 552

Phone: (859) 622-1515 Fax: (859) 622-8384

www.housing.eku.edu

EKU Housing fosters the development, engagement, and success of our residential community by providing an inclusive home that enhances the collegiate experience. Campus living offers opportunities that will help you excel academically, develop leadership skills and connect with life-long friends. You will meet students from all walks of life gathered together as part of a vibrant, close-knit community.

We offer Living Learning Communities (LLCs), which consist of students with similar majors and interests who live on the same floor/floors of a residence hall. Live and learn with others who share your goals, career interests and life passions!

All single, full-time undergraduate students under the age of 21 prior to the first day of classes, having fewer than 60 credit hours, or having lived in a residence hall less than four academic semesters (fall/spring) 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 living with parents must submit a verification form which is available through the housing office or

at www.housing.eku.edu. Students may request exemption to the residency requirement under specific circumstances to the Director.

Each residence hall is equipped with the following services that come as part of the basic room rental rate:

Cable Television

All major network and major cable stations are offered with any cable-ready television at no cost. Enhanced services and premium channels are available at an additional charge. For additional information, contact the College Cable Services, Inc. at 800-472-2054 ext. 222.

Phone Services

Basic phone service is provided for all residents. Each room is equipped with one phone line. Residents are asked to provide their own touch tone phone. In order to dial long distance, students may use any calling card. Enhanced phone features are available at an additional charge. For additional information on enhanced services or long distance, contact ECU Telecommunication Services at (859) 622-1903.

Laundry Rooms

Several washers and dryers are located in every residence hall. All laundry machines are FREE for on campus residents.

ResNet

All rooms come equipped with two high-speed internet connections. Wireless network access is also available. For more information about equipping your computer for Internet access, visit www.resnet.eku.edu.

Study Rooms

Within most residence halls are open, quiet rooms in which to study.

Vending

All residence halls are serviced with a variety of drink and snack vending machines. The machines are coin operated, and many accept credit card processing as well.

Social, educational, and service-learning programs are offered and organized by University Housing staff in all of our residence halls. These programs range from movie nights on the residence hall floors to volunteering for Habitat for Humanity. Most often, the RAs on each floor host social programming so that the residents can get to know each other and enjoy their housing experience even more. Many of the University Housing programs are open to all campus residents.

EKU Housing has traditional residence halls, enhanced traditional halls (each room has built-in wardrobes and a sink), suite style halls and apartment style halls.

Features include:

Large recreation rooms	Kitchen and laundry areas
Indoor gas fireplaces	Indoor / Outdoor programming space
Study rooms	Large and small classrooms space
Computer labs	Leadership opportunities

Visit housing.eku.edu for rates, floor plans and more details.

Office of Financial Aid

Mr. Bryan Erslan, Director

Whitlock Building 251

Phone: (859) 622-2361 Fax: (859) 622-2019

www.finaid@eku.edu

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 but are not limited to 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 Whitlock Building, Room 346 (859) 622-8032

VOCATIONAL REHABILITATION (OVR).

EKU supports the efforts of OVR to serve eligible individuals with disabilities. The Kentucky Office of Vocational Rehabilitation provides vocational rehabilitation services to eligible individuals with disabilities. Individuals receiving OVR services may also contact the EKU Center For Student Accessibility for academic accommodation. For more information about eligibility criteria call the Office of Vocational Rehabilitation toll free at 1-800-372-7172 or (502) 564-7172, or visit the website at www.ovr.ky.gov.

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 \$5,920 for 2017-18.

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 generally \$550 for the academic year.

The **College Access Program Grant (CAP)** is awarded to eligible Kentucky residents. The amount of this grant is determined by the Kentucky Higher Education Assistance Authority (KHEAA). It is given to students enrolled for a minimum of six hours. Full-time students will receive up to \$950 per semester, \$1,900 for the 2017-18 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 is awarded for eight consecutive regular semesters of full-time undergraduate work to students earning their first undergraduate Bachelor degree, 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 foundation scholarships the University awards (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 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. Scholarship applications are available online at 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, 2017.

Transfer Scholarship: Students need to apply for admission to be considered automatically for merit scholarships. To be considered for the fall semester, students must apply for admission by June 15th. To be considered for the spring semester, students must apply for admission by November 15th. To be considered for the summer semester, students must apply for admission by April 15th. The transfer scholarship qualifications and requirements for this scholarship can be found at www.scholarships.eku.edu.

AWARDS

Four-year awards can vary up to \$52,000. Merit scholarships are awarded automatically upon admission to EKU. Applicants must be admitted prior to February 1st to receive priority for scholarships. We will continue to award after February 1st until funds are exhausted. The last date for scholarship upgrades is March 1st. There are no upgrades after that date. Students that are in a 100% online degree program are not eligible for merit scholarships. Requires maintenance of a certain grade point average to retain, dependent upon the amount of the award and student must be enrolled in a minimum of 12 credit hours each semester. If a student does not return for a semester, then the scholarship is considered forfeited and cannot be reinstated.

To determine your eligibility, please refer to our scholarship calculator at www.scholarships.eku.edu/estimator. Students should input their unweighted high school GPA and their ACT SAT scores. Many academic departments offer scholarships. Check with the department of your intended major or program to learn more about these options. Private donors, corporations and a wide range of organizations also have endowed scholarships. Discover more at www.scholarships.eku.edu.

Number of Awards: Limited

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 foundation scholarship form and check the block indicating the application is for the J. W. Thurman Alumni Scholarship, and mail the application to the EKU Scholarship

Office.

Alumni Fund Scholarship: Applicants must be incoming freshmen with an ACT score of at least an 18 and a high school GPA of 3.0. Students that demonstrate financial need to the University through the FAFSA application shall be given priority. Applicants must be involved in at least three extracurricular activities.

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 Diversity Scholarship provides financial assistance to high-achieving students from all segments of society: Alaskan, Native, Asian, Native Hawaiian or other Pacific Islander, Hispanic, or Latino. Applications may be obtained by contacting the Scholarship Office by phone (859) 622-8032 or via the web at www.scholarships.eku.edu.

EKU Retention Scholarship (Contingent on outside funding): Students completing their freshman year with a 2.0 grade point average or better and returning for the following fall term may apply for the competitive 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. Applications may be obtained by contacting the Scholarship office by phone (859) 622-8032 or via the web at www.scholarships.eku.edu.

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 Whitlock Building, 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 Direct Subsidized Loan Program** is a need based program available to students who are enrolled at least half time. This loan is for undergraduate, and post-baccalaureate students. The interest rate is fixed and is not to exceed 8.25%. Contact the Office 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 Direct Loan borrowers (subsidized as well as unsubsidized) must complete entrance counseling before their loan can be processed. Counseling can be completed at www.studentloans.gov.

The **Federal Direct Unsubsidized Loan Program** is not based on need. It has a different interest rate as the Federal Direct Subsidized Loan Program, and the student is responsible for paying the interest on this loan. The unsubsidized and the subsidized loan cannot exceed the maximum amount allowable by a student’s classification. For example:

First Year Students - \$5,500 is the annual loan limit. No more than \$3,500 of this amount may be in subsidized loans. All first

time Federal Direct Loan borrowers must be enrolled for thirty (30) days before the first disbursement can be released.

Second Year Students - \$6,500 is the annual loan limit a student can borrow. No more than \$4,500 of this amount may be in subsidized loans.

*NOTE: This is the maximum amount (\$6,500) that a student working on an Associate Degree is eligible to receive.

Third and Fourth Year Students - \$7,500 is the annual loan limit. No more than \$5,500 of this amount may be in subsidized loans.

Graduate Students - \$20,500 is the annual loan limit. No more than \$8,500 of this amount can be in subsidized loans.

Independent students may be eligible for an **additional unsubsidized funds**. An independent student could borrow up to an additional:

- Freshman/sophomore - \$4,000
- Junior/senior - \$5,000

Keep in mind that the unsubsidized and subsidized Direct 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 Direct Subsidized or Unsubsidized 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 Direct Loan program is determined. The Office of Student Financial Assistance will certify the loan and electronically submit the information to the U.S. Department of Education (DOE). If the student has a signed Master Promissory Note (MPN) on file at DOE, 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 DOE, a MPN must be signed electronically at www.studentloans.gov.

Post-Baccalaureate Students—Students returning to work on a second undergraduate degree are not automatically eligible for the senior annual loan limit of \$7,500. Each student must submit documentation which indicates how many hours that student has toward the second degree.

The **Federal Direct 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 is credit worthy, the loan is usually approved. The interest rate is fixed and not to exceed 9%. Interest begins to accrue 60 days after the loan is fully disbursed. The parent must complete the PLUS application process at www.studentloans.gov each year. If the parent has a signed Master Promissory Note (MPN) on file at DOE, 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 DOE, an MPN must be signed electronically at www.studentloans.gov.

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, a means of repayment, and must not have a past due balance. 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 Whitlock Building, Room 210 must be

completed.

The loan must usually be repaid within four weeks, and the student is charged an interest rate of 2 percent. 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.

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 ECU 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, and 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 Human Resources for more information at the Jones Building, Room 203, between 8:00 a.m. – 4:30 p.m.(M-F), or by phone at 859-622-5094, Option.

First Year Courses and Learning Communities

Dr. Luv'Tesha Robertson, Director
Whitlock Building 346
Phone: (859) 622-7322
www.firstyearcourses.eku.edu

Student Success Seminars serve as the gateway for student success to the University, providing our students with the tools, knowledge, and success strategies needed to thrive and connect to academic and campus life at ECU!

These courses provide a firm foundation in the structure and functions of the university, how to succeed in college, how to choose and/or succeed in a major, how to make the most of the academic curriculum, and how to think critically and solve problems.

Every student seeking an Associate of Arts Degree in General Studies or a baccalaureate degree must complete a (1) or (3) credit hour Student Success Seminar.

- Full time students must complete the Student Success Seminar during their first semester.
- Part time students are strongly encouraged to complete the Student Success Seminar during their first semester, and must complete it within their first 18 credits.
- Students who earn a grade of "W," "F," or "FN" in a Student Success Seminar must repeat the course the following term.
- Transfer students who have 30 or more transfer credits upon admission to ECU may have this requirement waived. Some majors require all students to take a Student Success Seminar, regardless of transfer status.
- Students who earn a grade of "W," "F," or "FN" in a Student Success Seminar must repeat the course the following term.

Eastern Kentucky University offers several variations of the seminar, depending upon major or special interest group.

- Students who enter the University with a declared major enroll in a (1) credit hour seminar in their college (ASO, BTO, EDO, HSO, JSO, SCO, or HON 100).
- Exploratory students (students who have not declared a major in a college) will enroll in a (3) credit hour seminar, GSD 101, which incorporates a unit on major and career exploration, in addition to critical thinking and success strategies.
- Sections of GSD 101 are also offered for special populations, such as NOVA, student athletes, veterans, and members of the Eastern Bridge program.

The Office of First Year Courses is also home to GSD 101 Learning Communities. Eligible students are pre-enrolled in Learning Communities on an as-available basis. In a Learning Community, students take two classes with the same group of students and have opportunities to interact with instructors, classmates, and peer mentors outside of class.

Office of International Student and Scholar Services

Mr. Wenceslaus P'Oryem, Director
Whitlock Building 455
Phone: (859) 622-1478 Fax: 859-622-1552
international@eku.edu
www.international.eku.edu

The Office of International Student and Scholar Services (OISSS) provides services, programs and resources to assist international students and visitors with their transition to campus and to life in the United States.

Eastern Kentucky University has more than 250 international students studying at both the undergraduate and graduate levels. These students represent approximately 45 nations.

OISSS supports international students and works with campus partners in providing educational, social and cultural programs which promote cross-cultural understanding and contribute to campus internationalization.

The office also has a dedicated staff who works directly with sponsored students studying at ECU through various governmental programs or scholarships. Finally, the office provides immigration visa advising to our international population and also serves to keep the university in compliance with federal immigration regulations.

Meditation Chapel

University Chaplain
Phone: (859) 622-1723
www.studentaffairs.eku.edu/chapel/

The Chapel of Meditation is the realization of a dream begun in 1968 when the Eastern Kentucky University Alumni Association adopted the Century Fund Project to finance a non-denominational chapel. The chapel stands as a testimonial of the love and devotion of the alumni, faculty, students and friends, commemorating the 100th anniversary of higher education on the Eastern Kentucky University campus.

The chapel 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 also used for several other events such as:

- Weddings
- Sorority & fraternity events
- Academic department meetings
- Religious organization events & services
- Memorial Services
- Honor Society Events
- Athletic events

The University Chaplain's office is located in the basement of the chapel. The Chaplain coordinates the various activities of the chapel and is available to perform weddings. The Chaplain also attends to students, staff and faculty with questions about spiritual matters or spirituality. Besides providing a peaceful and serene setting for prayer and meditation, the chapel is used to house various student organization meetings and services, weddings, and annual memorial services.

Office of Military and Veterans Affairs

317 Lancaster Avenue, Burnam House
Phone: (859) 622-2345 Fax: (859) 622-5076
www.va.eku.edu

The Office of Military and Veterans Affairs serves student veterans by assisting with admissions, obtaining VA benefits and credit for military training, and serving as an advocate for veterans' issues throughout the campus community.

To utilize VA education benefits and to obtain a Certificate of Eligibility, student veterans or eligible dependents will need to apply directly to the Veterans Administration online at www.gibill.va.gov. Upon receipt of the certificate, please bring, mail, or fax (859-622-5076) a copy to the Veteran Affairs office on the main campus at 317 Lancaster Avenue. Additionally, a Course Enrollment Form must be submitted online each semester for which benefits will be used, at www.va.eku.edu/course.

Basic Allowance for Housing (BAH) is based upon E-5 with dependents for the 40475 zip code and is also prorated. Online-only Post 9-11 student veterans will draw BAH at one half of the national BAH average. All veterans who are eligible for benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008 (38 U.S.C. Section 3301 et seq.), or any other federal law authorizing educational benefits for veterans, will receive in-state tuition and fees.

Veterans needing assistance in obtaining a copy of their Joint Service Transcripts or CCAF transcripts should email ekuveteransaffairs@eku.edu or call 859-622-2345.

VA Regulations for Aviation Courses

Students using GI Bill® benefits to fund an aviation course must complete each course within one year of initial registration; failure to do so will result in the student being assigned a grade of NC (No Credit). Students using GI Bill® benefits must repay to the VA the cost (including a portion of stipends for living expenses) related to any course in which a grade of NC is earned. All student participants receiving Veterans Administration benefits have 19 calendar weeks from the date of the first flight event to complete an Aviation flight lab.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>

Aviation Flight Hours & Costs/Fees

A complete listing of aviation related fees for the current academic year is published on the EKU Aviation Flight Fees website (<http://aviation.eku.edu/aviation-flight-fees>), and included in materials provided by the flight instructors.

Additionally, all VA funded flight students receive this

information from the EKU Office of Military and Veteran Affairs during their enrollment certification process. Students should verify through their regional Department of Veterans Affairs processing office if they have questions regarding their eligibility to use VA resources to complete the requirements of the EKU Aviation program.

Kentucky National Guard Tuition Award Program

Active members of the Kentucky National Guard can utilize the Kentucky National Guard Tuition Award Program if they meet all eligibility criteria. Members must maintain all minimum standards, be eligible for all positive personnel actions, and have completed basic training or its equivalent. Eligible members will be awarded up to in-state tuition for full or part-time study at any Kentucky public college while funds are available. Members must apply to utilize the Kentucky National Guard Tuition Award Program each semester. The deadline to apply for the Fall semester is April 1, and the deadline to apply for the Spring semester is October 1.

The application is available online at <https://ky.ngb.army.mil/tuitionstudent>. For additional information, members can contact the Boone National Guard at (502) 607-1039.

Survivors' and Dependents' Educational Assistance

DEA (Chapter 35) provides education and training opportunities to eligible dependents and survivors of certain veterans. For more information on DEA eligibility visit www.gibill.va.gov.

Children of Kentucky War Veterans

If you are the child of a Kentucky War Veteran you may also be entitled to a tuition waiver in addition to your DEA benefits. Under the provision of KRS 164.505 and 164.515 children of Kentuckians who were killed in military action or who were opportunities to eligible dependents and survivors of certain veterans. For more information on DEA eligibility visit www.gibill.va.gov.

Children of Kentucky War Veterans

If you are the child of a Kentucky War Veteran you may also be entitled to a tuition waiver in addition to your DEA benefits. Under the provision of KRS 164.505 and 164.515 children of Kentuckians who were killed in military action or who were permanently and totally disabled in wartime military services are eligible for this waiver. For additional information contact the Kentucky Department of Veterans Affairs, Tuition Waiver Coordinator at (800) 928-4012.

Office of Multicultural Student Affairs

110 Powell Building
 Phone: (859) 622-4373 Fax: (859) 622-6997
www.studentaffairs.eku.edu/multicultural/

The Office of Multicultural Student Affairs (OMSA) seeks to bring issues of cultural diversity to the forefront of campus conversation through educational programs and services. OMSA serves all students as they question personal and collective notions of race, gender, economic status, language, nationality, ethnicity, religion, sexual orientation, age, exceptionalism and culture. OMSA encourages the utilization of campus resources, participation in campus life, understanding and respecting cultural differences, and encouraging tolerance and inclusiveness.

OMSA is actively engaged in collaborative efforts with other departments and academic areas on campus and provides co-curriculum learning experiences. OMSA also focuses on helping students from under-represented groups feel welcomed and supported so that cultural barriers are minimized and to help all students become more culturally competent to prepare them to enter an increasingly diverse workforce.

The center promotes life-long learning and global citizenship by providing programs, workshops, diversity trainings, study groups, panel discussions and events on cultural awareness, sensitivity and competence.

Located within the Powell Student Center, The Office of Multicultural Student Affairs is actively engaged in collaborative efforts with other departments and academic areas on campus including African/African-American Studies, Appalachian Studies, Campus Ministries, International Education, and Women and Gender Studies. The center also supports the efforts of various Eastern Kentucky University student organizations such as African /African American Studies Group, the Alphabet Lounge Student Group, B.S.U. (Black Student Union), Christian, EKU Capoeira Club, Eastern Kentucky University Gospel Ensemble, Feminists for Change, International Student Association, L.S.A. (Latino Student Association), M.A.R. (Men Against Rape), M.C.C. (Minority Collegiate Connection and Collegiate Black), Men of Color Mentorship Program, M.S.A. (Muslim Student Association), National Pan-Hellenic Council (N.P.H.C.), OWLS (Older, Wiser, Learners), Pride Alliance, Saudi Student Association, and S.I.S.T.A.

TRiO Programs**Educational Talent Search Program**

Ms. Lisa Sons, Director
 Telford House
 (859) 622-5425
www.ets.eku.edu
ETS@eku.edu

The Educational Talent Search (ETS) Program is a TRiO project funded by the U.S. Department of Education. Talent Search has been at Eastern Kentucky University since 1985. The program serves 6th grade through 12th grade students who have the interest and abilities to further their education beyond high school. Two-thirds of the participants must meet federal income guidelines, and be in the first-generation in their family to pursue a post-secondary education. The goal of the program is to assist participants as they transition from middle school to high school, and on to a post-secondary educational institution. Educational Talent Search offers services related to the following areas: academic information,

career resources, exposure to college campuses, career sites and cultural activities, financial literacy, financial aid program information, mentoring, tutoring and personal development activities. Educational Talent Search also offers assistance to out-of-school adults in identifying additional support services. ETS 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 postsecondary institutions for the first time or for those who are returning to school. 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.

McNair Scholars Program

Mr. Rich Richmond, Director
 Jones 409
 (859) 622-6249

The McNair Scholars Program at Eastern Kentucky University is a federal initiative funded through the U.S. Department of Education. The McNair Scholars Program encourages and assists undergraduate students from disadvantaged backgrounds who aim to enter careers that require doctoral achievement. Professional staff members provide supportive supplemental advising, offer holistic academic counseling, and facilitate structured training opportunities that enhance participants' readiness for graduate school applications and preparation for graduate school achievement.

Services provided by the program include:

- PhD faculty mentoring
- Supportive supplemental advising
- Holistic academic counseling
- Seminars and scholarly activities that prepare participants for graduate level achievement
- Paid summer research internships
- Conference and presentation opportunities
- Graduate school application preparation and support
- EKU Scholarships

Additional information about the McNair Scholars program can be found on the website at www.mcnair.eku.edu.

Education Pays Center

Ms. Robyn Moreland, Director
 Weaver 202; (859) 622-6684
www.eku.epc.edu

The Education Pays Center is a program designed to assist Kentucky Temporary Assistance Program (KTAP) recipients who are seeking postsecondary education at Eastern Kentucky University. This program is funded by the Cabinet for Health and Family Services and has been on the EKU campus since 1998. The Education Pays Center respects individual student-participants by providing guidance and support toward career goals, meaningful employment, and the achievement of postsecondary vocational certificate and/or higher education degree. Student-participants are provided with career exploration, counseling, mentoring, academic support services, work experiences and job readiness skill building. The Education Pays Center helps students get where they want to be.

NOVA Program (TRiO Student Support Services)

Ms. Jane Tinsley, Director
 Turley House 2
 Phone: (859) 622-1047
 Fax: (859) 622-1074
 www.nova.eku.edu

The NOVA Program is a Student Support Services/TRiO project with the legislative purpose to facilitate persistence and graduation of eligible learners. NOVA pre-identifies first-year EKU students who demonstrate a potential for success in college and who meet the economic and/or first-generation-college-student eligibility criteria. The NOVA service delivery design is a holistic retention plan based on the learner's needs for success. NOVA provides instruction in Student Success Seminar and Leadership Dynamics and provides the following support services throughout the learner's EKU academic career from orientation to graduation:

- Instruction in Academic Orientation, Leadership Development and Peer Mentoring
- Academic Advising
- Financial Aid and Financial Literacy Consulting
- Scholarship and Grant Aid Award
- Personal and Career Consulting
- Graduate School Planning
- Service Learning
- Peer Mentoring
- Living Learning Community
- Registered Student Organization
- Academic Assistance and Monitoring

NOVA learners earn a degree from EKU at a statistically significant higher rate as compared to other EKU students from the same background. NOVA is located on the second and third floors of the Turley House and is open from 8:00 a.m. - 4:30 p.m. Monday-Friday. Please visit www.nova.eku.edu or phone (859) 622-1047.

Upward Bound Program

Ms. Tamara Stewart, Director
 Patterson House
 (859) 622-1080

The Upward Bound Program, a TRiO project funded by the U.S. Department of Education, has been at Eastern Kentucky University since 1965. Its purpose is to motivate and prepare for college traditionally underrepresented students from low-income families and those in which neither parent holds a bachelor's degree. UB offers a rigorous academic program, mentoring, academic support, individual and group tutoring, and workshops in a variety of educational, motivational, and college preparatory topics. Students are chosen from ten high schools in the nine counties of Casey, Estill, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe. They spend their sophomore, junior, and senior years in the program, attending Saturday Academies and in-school workshops throughout the academic 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 and instructors assist students with their studies and other program activities. Interested students from the above counties should contact their

high school guidance counselor or visit the website at www.upwardbound.eku.edu

Center for Student Accessibility

Dr. Lori Davis, Director
 Whitlock Building 361, CPO 66
 Phone: (859) 622-2933
 www.accessibility.eku.edu

The Center for Student Accessibility (CSA) assists students by coordinating campus and program accessibility as well as providing support in the attainment of educational goals. CSA is located in the Whitlock Building, Room 361. Appointments are made by calling (859) 622-2933 or by email at accessibility@eku.edu.

Students requesting services are required to submit a completed application for services and current health-related documentation. Applications, documentation guidelines, and additional information is available at the CSA website. Services are individualized and may include accommodations, digital books, equipment loans, note-taking assistance, and other services.

Deaf and Hard of Hearing students are also assisted by CSA to support their educational success. CSA provides and coordinates accessible services including, but not limited to, interpreters, equipment loan, note-takers, testing accommodations and other services. Current audiological documentation is required and services will be determined on an individualized basis. For additional information, students may telephone (859) 622-2937 (V/TDD) or visit the office in Mattox Hall Room 322.

CSA offers **Project Success**, a comprehensive program for students diagnosed with specific learning disabilities, Attention Deficit Disorder and other health conditions to support their academic success at EKU. Project Success provides participating students with intensive academic coaching and tutoring support.

CSA strives to prepare college-bound high school students for postsecondary success. Selected high school juniors and seniors may be eligible to participate in the **Planning to Win** college transition initiative. CSA staff provide informational presentations to high school students with identified conditions to facilitate their college planning. Participating high school students may also attend a summer college preparatory program hosted at the EKU campus.

ADA/504 Coordinator

The ADA/504 Coordinator serves the University by hearing individual ADA cases including appeals for course substitutions, waivers and other accessibility-related cases and as a member of the ADA Appeals Committee. Appointments with the Coordinator are made by contacting CSA.

ADA Awareness and Accessibility Committee

Current students, faculty, staff and others interested in accessibility awareness are invited to attend the meetings of EKU ADA Awareness and Accessibility Committee. A schedule of meetings is available at the Committee's website, www.adaccess.eku.edu

ADA Appeals Committee

The ADA Appeals Committee serves the University community by adjudicating individual accessibility cases. Please contact CSA for additional information.

Student Health Services

Rowlett 103

Phone: (859) 622-1761 Fax: (859) 622-1767

www.healthservices.eku.edu

The mission of Student Health Services at Eastern Kentucky University is to provide our students with the best quality acute ambulatory medical care in a compassionate environment, while providing education on healthy lifestyles from which our students can benefit for the rest of their lives.

Student Health Services has three primary goals: first, to address any acute medical condition that threatens health, interferes with function, reduces performance, and serves as an obstacle to learning and personal growth; second, to educate our student body on healthy lifestyle choices that promote wellness and reduce the chances of disease—the preventive approach; third, to serve as a source of information and access to community based assistance programs. Services provided at the Health Center include:

- Outpatient acute medical care
- Allergy shots
- Basic laboratory tests
- Certain immunizations
- X-Ray requests
- Tuberculosis skin testing
- Health education
- AIDS education/testing referral

To make an appointment to see a provider, please go to the SHS website and click on the icon at the bottom left corner of the home page: “Schedule Online Appointment.”

A variety of free pamphlets, booklets, and other materials are available at the SHS. Students may utilize the computer terminal with Internet access in the SHS lobby to look up health related topics of interest.

Student Life

Powell Building 128

Phone: (859) 622-3855 Fax: (859) 622-6598

www.studentlife.eku.edu

The Office of Student Life at Eastern Kentucky University is dedicated to making sure every student has the opportunity to get involved and receive valuable experiences outside of the classroom. Student Life provides numerous activities for EKU students including Community Service, Fraternity & Sorority Life, Leadership, Registered Student Organizations (RSOs), and Student Activities. Student Life also provides these unique educational opportunities to assist students in their holistic development.

The first step to getting involved is visiting our website: www.studentlife.eku.edu. Here you can learn about involvement opportunities by logging into OrgSync (www.eku.orgsync.com)! You can browse RSOs, check out upcoming events on the calendar, and complete other forms and applications.

Colonel Camp

Colonel Camp was established in 2007 to allow new students to get a jump start on college life at EKU. Colonel Camp serves as a bridge between Orientation and New Student Days and aims to connect new students to campus, current student leaders, and their peers. The camp occurs before Move-In Day in August and provides the participants with the opportunity to serve other new students as volunteers during Move-in.

New Student Days

The New Student Days (NSD) program is phase two of the first year experience at Eastern Kentucky University. New Student Days programming kicks off on the Sunday before classes start and continues throughout the first weeks of classes. NSD is a required program for all new students and is incorporated into the curriculum of the student success seminars.

The purpose of this program is to enable students to meet other new students and participate in a wide variety of campus activities. The President’s Picnic, educational sessions, and social events are just some of the highlights. All new students are required to attend.

Family Programs

The Eastern Family Network began in the summer of 2000 to get parents and other family members involved in Eastern Kentucky University. By informing family members about campus happenings, we hope they will be supportive and engaged in the educational process with their student. First Year Programs also facilitates planning Family Weekend, a spring Family Network event, a Family guide, a monthly newsletter and a Family resource page on the First Year Programs website.

Community Service

The Community Service program coordinates a variety of service opportunities throughout the year that EKU students, faculty, and staff can participate in both on and off campus. Whether it’s to fulfill a class requirement or just to get involved, students looking for volunteer opportunities can visit to get connected with local volunteer opportunities that meet their individual needs and fit their busy schedules.

There are five main ways you can engage with the Community Service program at EKU:

- Volunteer with Saturdays for Service: Since 2004, EKU students been partnering with local entities for service opportunities. Each event is a one time commitment, working with a different community partners, either in Richmond or nearby in our service region. Saturdays for Service occur on the first Saturday of each month. Transportation is provided.
- Commit to a Community Partner: Our office has a variety of community partners within driving distance of campus. By signing up through OrgSync a student can commit to volunteering one time or regularly, by themselves or with a group of friends. This is a great way to fulfill volunteer requirements for class, connect with the community, learn about yourself, or gain experience for after college. Opportunities vary and are continuous, so a time can be found that works with each person’s schedule. You can learn about these many opportunities through our Part Time Job & Volunteer Fair hosted during Welcome Week.
- Immerse and Serve on an Alternative Break: Alternative break trips are offered year round (fall, winter, spring, summer, and even weekends). Each trip has a focus on a particular social issue, such as (but not limited to) disaster relief, poverty, education reform, hunger, and environmental stewardship. Students learn about the social issues and then perform week-long projects with local non-profit organizations.
- Join in on a Day of Service: Day of service events include onetime events throughout the academic year. Major Days of Service include 9/11 Day of Service and Remembrance & Martin Luther King Jr. Day. Throughout the year these days of service include both on and off campus on time opportunities to serve and

support our community.

Students interested in taking a more action in service have the opportunity to take up student leadership positions including joining some of our service-focused RSOs and the Service Council. For more information visit: www.communityservice.eku.edu or www.facebook.com/EKUcommunityservice.

Fraternity & Sorority Life

Eastern Kentucky University is home to a vibrant fraternity and sorority community comprised of three governing councils: Interfraternity Council, National Pan-Hellenic Council (NPHC), and Panhellenic Council.

Our over 25 chapters are values-based organizations focusing on scholarship, service, leadership, and life.

- **Scholarship** – Each chapter has scholastic standards members are required to meet. Additionally, chapters implement academic success plans including study hours, incentives, and much more. As a result, members of the fraternity and sorority community consistently boast a collective grade point average above their non-affiliated counterparts. In Spring 2014, they earned a 3.0412!

- **Service** – Greeks regularly dedicate their time, talent, and treasure to bettering the world in which we live. This is accomplished through philanthropy and community service efforts. Each chapter holds a minimum of one signature philanthropy event each year to raise money for their selected cause. Additionally, members complete countless hours of community service both together as a chapter and individually.

- **Leadership** – Holding a leadership position in a student organization is a great way to develop personal leadership skills, to network, and to build your resume. Many notable leadership positions on campus are held by members of fraternities and sororities including: Orientation Leaders, GURUs, Student Government Association officers, and Student Athletes. Additionally, the fraternity and sorority community gives members many opportunities to lead within the chapters and in the community. Each chapter also has a development program including workshops on how to become an effective leader. The leadership skills you build at Eastern Kentucky University can help you be successful in the future.

- **Life** – Membership is a lifelong commitment. Fraternity men and sorority women value brotherhood/sisterhood and being together for support and fellowship. To join a Greek organization is to find your home away from home. At ECU, members engage in a variety of activities together. Students will attend regular chapter meetings, plan annual philanthropy events, and participate in brotherhood/sisterhood activities. Brotherhood/sisterhood activities might include movie nights, road trips, social gatherings, or spontaneous hang outs on the chapter's floor in Dupree or Todd Hall. Notable community traditions include Greek Sing, a song and dance competition; Homecoming, including the construction of floats for the parade and celebration of the Football Team; and participation in various intramural sports.

Students interested in joining a fraternity or sorority can visit www.greeklife.eku.edu to learn about upcoming recruitment events. You can also follow us on Twitter for updates: @EKUGreekLife. Be Greek!

Leadership

Leadership development programs are a new and exciting opportunity to get involved with at ECU. Whether you consider

yourself a leader or have always held a great interest in leading, our leadership development programs are created to serve emerging to advanced student leaders. Our co-curricular programs focus on helping you cultivate skills that will bolster your collegiate experience as well as help you be better prepared for successfully leading in life after graduation. We offer a variety of leadership development programs to allow you to grow in your leadership abilities in an assortment of formats including retreats, ropes courses, workshops, conferences, and the Colonel Leadership Internship. The semester kicks off with the Leadership Social and the Emerging Leaders Program, an opportunity for first-year students to begin their leadership journey at ECU. Students who are looking to further bolster their leadership talents can participate in the Leadership Certificate Programs. Please visit www.studentlife.eku.edu for further information on the upcoming list of leadership programs.

Registered Student Organizations

EKU currently has over 230 Registered Student Organizations (RSOs) available for students. The 230 RSOs are categorized into 10 specific areas: departmental, governance, religious, honorary, residence hall, service, sports, fraternities/sororities, and special interest organizations. All of our student organizations are identified, created, and led by ECU students. Joining an organization is a wonderful opportunity to make a difference, meet others, and develop your personal leadership skills. Many of our RSOs will showcase who they are and invite you to be a part of their organization at the Student Involvement Fair during Welcome Week. For the complete list of organizations and to learn organization meeting times, information, and upcoming events, please visit www.eku.orgsync.com.

Student Activities

Student Life hosts dozens of events each semester aimed at educating, entertaining, and meeting the needs of ECU students. We host various guests including comedians, singer/songwriters, and illusionists that are free for students to attend. We also have many programs in which we collaborate with various departments across campus to enhance the out-of-classroom experience. We encourage you to explore our upcoming events at www.studentlife.eku.edu, or by following us on Facebook at www.facebook.com/EKUOSL.

STUDENT OUTREACH AND TRANSITION OFFICE **(SOTO)**

Ms. Lisa Cox, Director
Whitlock Building 442
Phone: (859) 622-7686
www.soto.eku.edu/

This one-stop transitional center is designed for transfer, non-traditional and re-entry students (away from ECU for over 2 years). The Student Outreach and Transition Office provides comprehensive support to students from initial inquiry through registration for their first semester of classes, serving as an advocate to promote their needs along the way. Prospective students receive individualized consulting services in the areas of admissions, degree audits, major selection, academic bankruptcy, credit transfer process, degree completion via distance learning, and course registration prior to their first semester. This office also

provides students with answers to basic questions regarding filing for financial aid, financial aid appeals, and receiving credit for prior learning. Evening appointments are available to better serve the needs of adult learners.

SOTO also serves as a hub for diverse students with access to a bi-lingual /Latino Recruitment and Retention Specialist who is available to answer questions and refer students to appropriate resources. SOTO is also home to the Rodney Gross Scholars program. Scholars have access to dedicated study areas that include computer access, mentoring and tutoring assistance upon request.

Colonel Connection Program

The Colonel Connection Program facilitates the transfer process from other colleges to ECU, and eases students' transition to and timely graduation from ECU. The program is available to students who are currently enrolled at another institution (e.g., a community college) and intend to transfer to ECU to complete a baccalaureate degree. Students must apply for admission to ECU, meet all admission requirements, and be accepted to ECU before enrolling in the Colonel Connection program.

Upon admission and completion of the Colonel Connection program agreement, participating students are granted continuous access to ECU's DegreeWorks degree audit system, allowing them to view their individualized degree plan and progress towards an ECU baccalaureate degree. The degree audit is then kept current through regular submission of transcripts to ECU for credit evaluation. (Note: Colonel Connection students may not enroll in ECU coursework without first requesting visiting-student status through their advisor.)

When ready to transfer to ECU, the student must complete a Colonel Connection Admission request form in lieu of submitting another application for admission. This confirms the student intent to enroll as a degree-seeking student and locks in any transfer scholarship for which the student might be eligible.

To maintain enrollment in the Colonel Connection program, a student must:

- maintain a minimum 2.0 grade-point average (GPA) on all college-level work completed to date;
- complete, with a grade of C or better, no fewer than six (6) credits in the most recent fall/spring semester; and
- meet with an assigned ECU advisor at least twice per academic year to discuss their progress and plans for transfer and graduation.

Students who fail to meet any of the above standards will be given one fall or spring semester to comply, after which they will be disenrolled from the Colonel Connection program.

Upon enrollment in the Colonel Connection program, participants will have a catalog year associated with their student record designating the academic year for their degree program as well as General Education and University graduation requirements. Should graduation requirements subsequently change, students may request a move to the current Catalog through the Registrar's Office. The catalog year may be found on the student's DegreeWorks degree audit.

Students who fail to maintain their enrollment in the Colonel Connection program may apply for readmission to the program; however, their catalog year will be based on the date of re-enrollment.

For further information regarding the Colonel Connection program, contact the ECU Student Outreach and Transition Office (SOTO).

Student Rights and Responsibilities

1 Turley House
Phone: (859) 622-1500

The Office of Student Rights and Responsibilities and Eastern Kentucky University is a community of shared academic values, foremost of which is a strong commitment to intellectual honesty, honorable conduct, and respect for others. In order to meet these values, students at Eastern Kentucky University are expected to adhere to the highest standards of academic integrity. When becoming a part of the University community, the student enjoys social, cultural, and educational opportunities. He or she also assumes the role of a citizen of the community and agrees to abide by the regulations and standards of conduct operative in the University community. The Office of Student Rights and Responsibilities provides a fair and impartial student judicial system for students, faculty and staff of Eastern Kentucky University.

The Office of Student Rights and Responsibilities will:

- Provide information to all students relating to the General Regulations for Student Behavior,
- Adjudicate all reports of alleged violations of the General Regulations for Student Behavior and the Policy for Academic Integrity in a consistent manner,
- Facilitate due process rights set forth by the University Handbook for Students, and
- Ensure fair and impartial hearings.

Student Success

Mr. Matt Schumacher, Senior Director
Whitlock Building 335
(859) 622-6778

Student Success offers services and resources to assist students in persisting and completing their undergraduate degrees. These services include:

- Coordinating recruit-back
- Executing Progress Reports
- Leading retention initiatives
- Providing assistance and support to first-generation students (First Colonels)

The offices under Student Success include:

- Diverse Student Retention
- Life Skills Coach
- Student Success Center

Diverse Student Retention coordinates the Freshman Academy. The Freshman Academy is an interactive learning experience that promotes retention of all students, with particular focus on minority students. The Life Skills Coach provides intrusive coaching and mentoring to minority students to connect them to supportive resources to facilitate their transition to college and enhance their academic success. The Student Success Center is the one-stop resource for answers to any questions students may have during their college experience.

Student Success Center

Library 106D and Whitlock Building, First Floor
(859) 622-7861
SuccessCenter@eku.edu
www.successcenter.eku.edu

The Student Success Center is the one-stop resource for answers to any questions students may have during their college experience. Our full-time staff members serve as resources for students as they navigate college, often proactively reaching out to students who may need assistance. They also provide referrals to other EKU resources about which students may not be aware.

The EKU Gurus are trained tutors and mentors who work through Student Success Center programs to provide peer-to-peer service to EKU students. Each EKU Guru is trained to provide students with study skills, time management, critical reading strategies, test preparation approaches, and other skills necessary for college success. Additionally, Gurus provide content help in over 100 courses. For each course they cover, the Guru has earned a high grade in that class and has a faculty recommendation to tutor in that course. Additionally, staff members are trained to help students deal with life issues that may be impeding their success at college.

The workshops and other programs in the Chellgren Success Series are designed to help students with study skills, time management, choosing a major, and more. The Student Success Center also serves as a study area for students so that they can do homework and study with tutors nearby if they need assistance because asking for help is a habit that will help students be more successful.

All of our services are free and no appointment is necessary.

Office of University Advising

Mr. Benton Shirey, Director
Whitlock Building 347
(859) 622-2276

All undergraduate students are assigned an academic advisor through the Office of University Advising. Designated departmental faculty and college staff serve as advisors to students with declared majors. Professional advisors in the Office of University Advising serve as advisors for students seeking an Associate of Arts in General Studies degree, for exploratory students, and for students with two or more college readiness needs.

Academic advising is a dialogue between student and advisor to promote responsible and appropriate choices and facilitate a successful academic experience. The Office of University Advising collaborates with students, faculty, and staff across campus to develop a meaningful academic plan tailored to a student's needs and goals. University Advising serves students, faculty, and staff by:

- Providing year-round academic advising and student support to each EKU student.
- Providing advising tools and referring students to appropriate campus resources.
- Facilitating the Early Alert Program to identify at-risk students.
- Providing customized academic planning and advising to at-risk and exploratory students and students experiencing academic difficulty.
- Assisting with academic recovery for students.
- Assisting in the withdrawal process for students.

- Collaborating with the Counseling Center and the Center for Career and Co-op to assist student in clarifying educational, career, and life goals.
- Collaborating with the Center for Career and Co-op to facilitate the major exploration process.
- Coordinating campus-wide advising functions through Eastern Academic Retention Network (EARN) meetings and the Undergraduate Advising Committee.
- Coordinating advising resources for the Summer Orientation Program in conjunction with the Office of Admissions and the Registrar.

For more information visit the University Advising website at www.universityadvising.eku.edu or call (859) 622-2276.

SECTION FIVE

GENERAL ACADEMIC INFORMATION

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GENERAL ACADEMIC INFORMATION

Student success is an EKU priority. The General Academic Information section provides students with key information to help them succeed on the path toward completing a degree. All students should become familiar with the General Academic Information section of the Catalog as well as specific college and departmental program requirements. Being unaware of these regulations and requirements does not exempt a student from complying with the requirements.

APPLIED CRITICAL AND CREATIVE THINKING (ACCT)

The ACCT is a program-directed University baccalaureate degree graduation requirement intended to showcase the unique experiential and applied components of all undergraduate degrees at EKU. The goal of the ACCT is to ensure that students integrate into their degree program experiences and/or courses that demonstrate applied critical and creative thinking skills. Any course or experience used to meet this requirement may also be used to satisfy program requirements. Options to satisfy this requirement vary by degree program and will be determined by the program. The ACCT experience is expected to be at least a 3 credit hour course, or an experience that requires equivalent effort. Students should refer to the program requirements for their majors, as listed in this *Catalog*, or listed on their DegreeWorks degree audit, for specific information on the ACCT requirement.

ACADEMIC BANKRUPTCY

ACADEMIC BANKRUPTCY OF EKU WORK

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

Students considering academic bankruptcy should make careful note of the following policy 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 work to be bankrupted.
- The student must be currently enrolled as a degree-seeking student at EKU.
- The student must not have previously declared bankruptcy of EKU work. Bankruptcy can only be declared once.
- Only semesters where the term GPA is below 2.0 will be considered for bankruptcy.
- Within eligible terms (see d. above), only courses with grades of "D" or "F," or the equivalent, may be bankrupted.
- During his/her first semester after being readmitted a student requesting bankruptcy must attain a minimum of a 2.0 term GPA. The student must earn no grade lower than a "C" on at least 12 hours of 100-level (or higher) EKU coursework, and pass any college readiness courses. All courses and grades, including repeated courses, will be counted in the qualifying term GPA. (*If it takes more than one semester to complete the necessary 12 credit hours, the student must maintain a

- constant 2.0 term GPA since being readmitted.) For the purpose of determining bankruptcy a grade of "S" is acceptable.
- A student who does not enroll in 12 credit hours of 100-level or higher coursework during his or her first term back at EKU will have his/her enrollment in the subsequent semester combined with that of the first to determine bankruptcy. All academic work attempted in the term that includes the twelfth credit hour is affected by the above grade restrictions.
 - Before formally requesting consideration for bankruptcy, the student must confer with bankruptcy experts in the Registrar's Office to determine which semesters may qualify for bankruptcy and what the impact to the student's GPA will be. The student will then complete and sign the Academic Bankruptcy form.
 - Any academic work used to complete a baccalaureate degree is not eligible for bankruptcy once the degree has been awarded.

If bankruptcy is granted, the bankrupted class(es):

- Will remain visible on the transcript, but with a "\$" designation.
- Will not be counted in the student's GPA.
- Will not count as earned hours. (Note that Financial Aid will continue to count bankrupted hours as attempted hours.)
- Will be included in the separate GPA calculation which is done when determining graduation honors.
- Will be prevented by DegreeWorks from meeting any degree requirements (including the 42 hour upper division requirement). However, the dean of the college of the student's major may waive major, supporting, and general education requirements met by bankrupted courses. Note that this does not add back any credit hours from bankrupted courses, the student may be required to complete additional elective courses to obtain the minimum number of credit hours required to graduate.

ACADEMIC BANKRUPTCY OF TRANSFERRED WORK

Academic bankruptcy of transfer coursework 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. EKU 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.
- Students may request to bankrupt prior work. However, all EKU bankruptcy restrictions and rules listed in the general academic bankruptcy section of this catalog apply.

- c. After being admitted to EKU, the student must attain a minimum of a 2.0 GPA with no grade lower than a “C” on at least 12 hours of college-level (i.e., 100 or above) EKU courses and pass any attempted college readiness courses. All courses and grades, including repeated courses, will be counted when determining eligibility for academic renewal. A grade of “S” is also acceptable for meeting academic renewal eligibility. All work attempted in the academic term that includes the twelfth hour is affected by these grade restrictions.
- d. The transfer student must submit a completed Academic Bankruptcy request form to the Office of the Registrar. All students should consult with a bankruptcy expert in the Registrar’s Office. Together, they will identify the transfer institutions from which work is to be bankrupted, as well as the specific semesters that are to be bankrupted.
- e. The student may not have previously declared transfer bankruptcy at EKU.
- f. Academic work earned before completion of a baccalaureate degree is not eligible for bankruptcy once the degree has been awarded.
- g. The student must be currently enrolled as a degree-seeking student at EKU.
- h. If transfer bankruptcy is granted, the bankrupted work:
- will remain on the transcript.
 - will not be counted in the student’s GPA.
 - 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. Note that this does not add back any credit hours from bankrupted courses; the student may be required to complete additional elective courses to obtain the minimum number of credit hours required to graduate.
- i. Grades for course work approved for academic bankruptcy will be included in the separate GPA calculation performed to determine students who will graduate with Latin Honors.
- j. Transfer students who have participated in academic bankruptcy (or academic renewal) at a previous institution, and have not yet earned a baccalaureate degree, may petition through the University Exception process to either have the affected transfer coursework brought into EKU as it was recorded by the previous institution, or have the coursework applied through EKU’s academic bankruptcy policy.

ACADEMIC INTEGRITY

EKU students are expected to adhere to the highest standards of academic integrity. Students who are found guilty of academic dishonesty will be sanctioned in a manner that is appropriate to the infraction. Sanctions may range from receiving a failing grade on the assignment to being assigned a failing grade in the course. Stronger sanctions are possible in the event a case is assigned to the Student Disciplinary Council. Students who are assigned a grade of “F” or “FX” in a course due to academic dishonesty will not be permitted to withdraw from the course.

For a full description of academic dishonesty, including plagiarism, cheating, and fabrication, refer to the section entitled Academic Integrity Policy in the University Handbook for Students.

ACADEMIC READINESS

The Developmental Education and College Readiness Program at Eastern Kentucky University helps students achieve academic success by developing or enhancing skill level proficiencies in the areas of reading, English writing, and/or mathematics, by improving students’ academic and social college readiness skills, and by promoting self-advocacy and personal responsibility among incoming first-year students.

College Readiness: In Kentucky, “college readiness” is indicated by minimum ACT subscores of 18 in English, 19 in mathematics, and 20 in reading. College-level skill proficiencies in writing, reading, and mathematics may also be measured by student performance on the SAT, KYOTE (Kentucky Online TESting), and/or EKU placement tests. Students whose test scores indicate the need for additional college readiness preparation may be required to complete one or more of the following EKU Developmental Education and College Readiness courses:

- ENG 095R Introduction to Reading, Writing and Rhetoric
- ENG 101 Reading, Writing and Rhetoric.
- ENG 101R Reading, Writing and Rhetoric (Supported)
- ENR 115 Learning Dynamics (Eastern Summer Bridge only)
- MAT 090A, 090B, 090C Prealgebra
- MAT 095A, 095B, 095C Developmental Algebra I
- MAT 098 Algebra II (Summer only, through 2018)
- MAT 105E Mathematics with Applications – Enhanced (Pilot program)

Each zero-level developmental course is, or has modules which add up to, three-hours of institutional credit. The credit hours earned for courses beginning with a zero course number, like 090, 095, or 098, do not apply toward credit hours earned toward graduation but do count toward enrollment status for purposes of financial aid eligibility and full-time student status.

Students transferring to Eastern Kentucky University with an Associate of Arts, Associate of Science, Associate of Applied Sciences, Associate of Science in Nursing degree, or an equivalent, will be considered proficient in the three basic skill areas of English (writing), mathematics, and reading. Please see Section Six of this Catalog for descriptions of these courses.

DEVELOPMENTAL AND COLLEGE READINESS COURSE ENROLLMENT AND COMPLETION REQUIREMENTS & DEVELOPMENTAL DISMISSAL

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

- 1) All full- or part-time students, including transfer and online students, who need to complete any of the Developmental or College Readiness courses listed above are required to enroll in the needed courses during the very first and each subsequent semester of enrollment, with the exclusion of the summer semester, until all requirements are completed. Enrollment in these courses takes precedent over enrollment in any other course.
- 2) All full- or part-time students with developmental needs in two or more areas (English composition, reading, and/or math) are required to take GSD 101: Foundations of Learning in the first semester of enrollment.
- 3) Completion of developmental coursework takes precedence over attempting coursework which carries academic credit, other

than GSD 101 or other required Student Success Seminars.

4) Students with developmental requirements are allowed a maximum of two consecutive terms of University enrollment per developmental course, excluding summer, to successfully complete each required course.

5) Students who fail to demonstrate continuous, progressive enrollment in required developmental courses will have a registration hold placed on their record and may face Developmental Dismissal. These students are required to meet with the Director of Academic Readiness to establish an academic plan toward completion of college readiness.

6) **Withdrawal from a developmental course counts as one of the two attempts toward completion of the course.**

7) **Each semester of enrollment at the University counts as an attempt toward completion of a developmental requirement, even if a student has not enrolled in the needed developmental course.**

8) Students with developmental or college readiness requirements must complete all required developmental or college readiness courses by the end of the term in which they attempt their 45th credit hour, including developmental hours. **Students not completing all developmental or college readiness requirements within 45 hours will be Developmentally Dismissed**

9) Students with developmental-level needs in English composition, math, or reading should consult with an academic advisor or academic program mentor to determine whether needs may be remediated via a credit-bearing, one-hundred level college readiness course.

Grades in College Readiness and Developmental Courses

- Final grades in developmental courses numbered 090 or 095 are not included in the calculation of GPAs.
- Final grades in developmental courses numbered 090 or 095 include the grades “A,” “B,” “C,” and “F.” There are no final course grades of “D” in developmental courses or in ENG 101R.
- Final grades in 100-level college readiness courses are included in the calculation of GPAs, with the exception of ENG100: English for Non-native Speakers.
- Final grades in the college readiness co-requisite course ENG 101R course include “A,” “B,” “C,” and “F.” There are no final course grades of “D” in ENG 101R. The successful completion of ENG 101R satisfies the General Education Element 1A: Written Communication requirement.
- Final grades in the college readiness course MAT 105E include the grades “A,” “B,” “C,” “D,” and “F.” The successful completion of MAT 105E satisfies the General Education Element 2: Mathematics requirement.
- Final grades in the college readiness course ENG 100: English for Non-Native Speakers are “U” (unsuccessfully completed) or “S” (successfully completed), and are not included in the calculation of the GPA.

SUCCESS FIRST INITIATIVE

The **Success First Initiative** grants admission to students who may face challenges as new or returning students as indicated by their established academic record. This program applies to the following students:

- New first-time students (including transfers with less than 24 college credits) with high school GPAs between 2.0 and

2.49 (unweighted on a 4.0 scale) and ACT Composite scores between 15 to 19 or SAT equivalent.

- Readmitted students with an ECU GPA of between 1.0 and 1.99
- Veterans admitted through the Veterans Bridge to College Success (VBCS) program.
- New first-time freshmen admitted through the Summer Eastern Bridge program.

The **Success First Initiative** is administered through a variety of programs across campus. **Success First** students work closely with their assigned advisors to achieve the following:

- Sign a Student Success Agreement acknowledging the expectations and conditions for participation in the program and for continued enrollment at the University.
- Obtain a minimum grade of “C” in all developmental or college readiness coursework, with the exception of MAT 105E.
- Pass each required Developmental Education or College Readiness course within two attempts.
- Meet with the assigned academic advisor *each semester* before registering for classes and enroll in courses only as agreed upon during this consultation. Note: All students admitted as Success First students are required to consult with their advisor or appropriate academic program mentor before making *any* schedule changes. (A student who fails to involve an advisor and/or academic program coordinator in course scheduling may have an Advising or Developmental Education Hold placed on his or her account.)
- Achieve satisfactory academic progress (SAP) in order to retain financial aid.

Success First students who drop below a 2.0 GPA are subject to university-wide rules for minimum academic standards and may receive consideration for dismissal from the University, as well. All Success First students will be placed in the Associate of Arts in General Studies program until they obtain 30 college-level credit hours and demonstrate satisfactory academic performance, or until they are released by the program via the Office of Academic Readiness. Satisfactory academic performance is defined as two consecutive semesters with a term GPA of 2.0 or above, and satisfactory completion of all developmental or college readiness coursework.

EASTERN BRIDGE

Eastern Bridge is a high-school-to-college transition program designed to support the academic and social college readiness skills of students entering the University with one or more college readiness needs in English composition, mathematics, and/or reading, or new, first-time freshmen who are entering the University with a high school GPA less than 2.49.

Depending on admission status, students may enter the Eastern Bridge program during the second session of the summer semester or during the fall semester. The Eastern Bridge program is offered only on the Richmond campus. For more information, contact the ECU Office of Academic Readiness at (859) 622-8860. Depending on admission status, students may enter the Eastern Bridge program during the second session of the summer semester or during the fall semester. The Eastern Bridge program is offered only on the Richmond campus. For more information, contact the ECU Office of Academic Readiness at (859) 622-8860.

Eastern Bridge Students are required to:

- Work with the program coordinator to enroll in needed developmental education or college readiness courses. Course placement will be based on ACT, SAT, or KYOTE test scores.
- Enroll in needed developmental education or college readiness courses, in the appropriate sequence, during the first semester & subsequent spring and fall semesters of enrollment until all needs are remediated. (Students who fail to demonstrate continuous, progressive enrollment in required developmental or college readiness courses, or who fail to complete required developmental or college readiness coursework within 45 attempted hours of enrollment will receive a Developmental Dismissal.)
- Enroll in specified sections of GSD 101: Foundations of Learning.
- Sign a Student Success Agreement acknowledging the expectations and conditions for participation in the program and for continued enrollment at the University.
- Obtain a minimum grade of “C” in all developmental or college readiness coursework, with the exception of MAT 105E, and pass each within two attempts.
- Meet with the assigned academic advisor *each semester* before registering for classes and enroll in courses only as agreed upon during this consultation. Note: Eastern Bridge students are *required* to consult with their advisor or Eastern Bridge academic mentor before making *any* schedule changes. (A student who fails to involve an advisor and/or Eastern Bridge academic program coordinator in course scheduling may have an Advising or Developmental education hold placed on his or her account, which will block the student’s ability to register or make schedule changes.)
- Agree to meet with the Summer or Fall Eastern Bridge coordinator as requested throughout the first academic year of enrollment.
- Achieve satisfactory academic progress (SAP) in order to retain financial aid.
- Attend a minimum of four hours a week of *required* tutoring or other approved academic enrichment activities, as directed by the Eastern Bridge program coordinator and the assigned academic advisor, throughout the first year of enrollment. (The first year of enrollment includes summer, for Summer Bridge students, and fall and spring semesters. Summer and Fall Bridge students are required to log into tutoring and/or procure proof of attendance at academic enrichment events. Failure to adhere to mandatory tutoring and academic enrichment activities may lead to dismissal from the University.
- Refrain from declaring a major during the freshman year. However, Bridge students may take entry-level major-area courses when possible or appropriate.

SUMMER BRIDGE AND ACADEMIC WARNING

Summer Eastern Bridge students are expected to maintain a minimum college GPA of 2.0; any Summer Bridge student allowed to matriculate to the Fall term with less than an institutional GPA of 2.0 shall be placed on Academic Warning.

ACADEMIC RESTRICTIONS FOR STUDENTS WITH DEVELOPMENTAL REQUIREMENTS

- New first-time freshmen with college readiness needs in

two or more developmental or college readiness areas (English composition, reading, or mathematics) will be enrolled in the Associate of Arts in General Studies Degree program. The Office of Academic Advising will assist these students in creating linkages to departments of academic interest.

- Students affected by the above policy who would be rendered ineligible for specific scholarship opportunities, or who would be denied entrance into academic programs with proven student retention success, may petition for permission to declare a baccalaureate degree program. Letters of petition should be sent to the ECU Office of the Registrar after the student has been admitted into ECU.
- Students with two or more developmental area requirements are permitted to enroll in up to 16 hours of University coursework. Advisors should work closely with these students to ensure that students have (a) taken ECU placement tests before registering; (b) received information on available tutoring and student support services; and (c) utilized the Academic Planner in DegreeWorks to prepare a progress-to-degree course map for completing required general education and major area courses.
- Notes: Students successfully completing 090-level courses in English composition, reading, or mathematics should take ECU placement tests in an attempt to test out of the 095-level course sequence.
- 090-level developmental courses in English composition, reading, and mathematics are offered only during the summer, as part of the Eastern Summer Bridge program.
- Students enrolled in any MAT 090 section (Prealgebra) cannot enroll in any course with the following prefixes: AST, BIO, CHE, CIS, CSC, FOR, GLY, NAT, PHY, SCI, or STA.
- Students enrolled in ENR 090 or ENR 095 may be restricted in course registration based on academic department course prerequisites

ACADEMIC STANDARDS

ACADEMIC ACHIEVEMENT AWARDS AND RECOGNITIONS

Dean’s List: The dean’s list is one of several ways in which the University recognizes undergraduate students who achieve academic excellence. The dean’s list is published after each standard (fall/spring/summer) semester. Eligibility requirements for the dean’s list are as follows:

Undergraduate Hours Earned with Normal Grading	Minimum Term GPA
12	3.75
13	3.65
14 or more	3.50

Students earning 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.

Dean’s Award: As a further recognition of academic excellence, the University presents the Dean’s Award to undergraduate students who have achieved the Dean’s List and/or the President’s Award (see below) three times. Students receiving the Dean’s award are presented with a recognition pin by the appropriate academic dean.

President’s Award: The highest undergraduate recognition of

academic achievement for a semester (fall/spring/summer) is the President's Award. This award is given to students who complete a full time course load (minimum of 12 institutional credit hours earned) during a semester (fall/spring/summer), with normal grading (excluding developmental coursework), and who attain a 4.0 grade point average for that 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.

GOOD ACADEMIC STANDING

MINIMUM ACADEMIC STANDARDS

Satisfactory Progress: Degree-seeking students shall be considered as making satisfactory progress so long as they remain in good academic standing (2.0 institutional GPA) and enroll in courses required or allowed in their chosen academic program.

Students having difficulty meeting academic 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. To make timely progress toward degree students are expected to earn at least 15 credit hours per fall/spring semester

Good Academic Standing: Students are expected to maintain at least a 2.0 institutional grade point average (GPA) while enrolled at EKU. The actions described below pertain to students whose institutional GPA falls below 2.0. Once a student's institutional GPA returns to 2.0 or above, he/she is once again in good academic standing.

Academic Warning: Summer Eastern Bridge students who pass all developmental classes but were not able to achieve an institutional GPA of 2.0 may be given permission to matriculate to the fall term on a status of academic warning. While on academic warning these students may not enroll in more than 15 credit hours in either fall or spring, or more than a total of six hours during a full summer term. Students who are on academic warning and cease continuous enrollment, and subsequently wish to return to the institution, must apply for readmission and will be held to those readmission criteria (please refer to the Requirements for Readmission section of this Catalog).

At the end of a semester on academic warning students must have earned a semester institutional GPA of at least 2.0, or raised their cumulative institutional GPA to a 2.0. Students not meeting the semester or cumulative institutional GPA requirement will be placed on academic probation.

Academic Probation: Students who earn an institutional GPA of less than 2.0 will be placed on Academic Probation after the close of that semester. While on academic probation, students may not enroll in more than 15 credit hours in either fall or spring terms or more than a total of six hours during a full (12-week) summer term. Students who are on Academic Probation and cease continuous enrollment, and subsequently wish to return to the institution, must apply for readmission and will be held to those readmission criteria (please refer to the Requirements for Readmission section of the Catalog).

Intervention for New First-Time Freshmen on Probation: Because a student's academic performance in his/her first semester at EKU is predictive of overall success and graduation, EKU is increasing the support given to students whose institutional GPA is less than 2.0 at the end of the first semester. New first-time freshmen whose institutional GPA is less than 2.0 will be required to participate in prescribed intervention strategies and will be

placed on First Semester Probation, with a requirement of earning an institutional 2.0 or higher term GPA in the second semester to prevent academic suspension.

Academic Suspension: At the end of a semester on academic probation, students must have earned a semester GPA of at least 2.0 or raised their institutional GPA to 2.0. Students not meeting the semester or institutional GPA requirement will be placed on academic suspension. Students may not enroll in classes at EKU while academically suspended. Students who are academically suspended for the first time may not enroll in classes at EKU for one full semester (summer is counted with the next fall semester if a student is academically suspended at the end of the spring term). Students may be academically suspended up to three times during their academic career at EKU. The second academic suspension is for one calendar year and a third academic suspension is for two calendar years. An academically suspended student will return to EKU on academic probation if his/her institutional GPA is less than 2.0 at the time of his/her return. Suspended students are subject to EKU requirements for readmission after they have sat out their mandatory suspension period (please refer to the Requirements for Readmission section of the Catalog).

Academic Dismissal: Students who have been academically suspended three times must maintain a semester GPA of 2.0 or better each semester after they return. Students who have been academically suspended three times, and after returning are unable to maintain a semester GPA of 2.0, will be academically dismissed from EKU for a period of five calendar years and are subject to EKU requirements for readmission (please refer to the Requirements for Readmission section of the Catalog).

Attending Another School While Suspended or Dismissed: During the time a student is academically suspended or dismissed from EKU, course work earned at another regionally accredited college or university will be considered for transfer credit when the student returns to EKU. This course work can be used to meet graduation requirements but is not counted in institutional GPA. Students are responsible for requesting that an official transcript of any transfer course work be sent to the EKU Office of Admissions when they apply for readmission to EKU. Students should consult with their advisor or college for the applicability of course work taken at another institution to their degree program at EKU. In some circumstances acceptance of transfer work may be subject to requirements of prior approval by the department chair of the student's major.

Improving Academic Standing: Academic transfer course work is not considered when determining academic standing. Only by repeating EKU course work in which a student earned poor or failing grades can a student quickly rehabilitate his/her institutional GPA and therefore improve academic standing.

Appealing Academic Standing: Students may appeal an academic suspension if they believe that catastrophic circumstances beyond their control prevented them from being academically successful. They may appeal their academic suspension to the University Admissions Appeal Committee. For their petition to be considered, students must provide a written appeal with appropriate supporting documentation. Students may not appeal an academic dismissal.

FIRST-TIME FRESHMEN MID-TERM GRADE REVIEW PROCESS

The first semester for first-time freshmen is pivotal to academic success and graduation. All first-time freshmen will have their mid-term grades reviewed by the Office of University Advising and the Registrar during their first semester at EKU. If all reported mid-term grades are F, FN, U, or UN (indicating non-

attendance and/or failure to meet course requirements) the student will be required to participate in an intervention program that includes the following:

- a study skills workshop
- a student success agreement
- a registration hold
- students will be moved from a baccalaureate program into the Associate of Arts in General Studies major until they have earned a 2.0 term GPA.

First semester new students who fail to attend the required workshop, fail to respond to communication from the University, and/or to comply with their success agreement will be academically suspended at the end of the semester. First-time students who cease participation in courses during their first semester at EKU, and as a result are failing all classes at midterm, will be considered to have withdrawn from the University. Accordingly, these withdrawn students will have any future course registration cancelled and their student record inactivated.

ACADEMIC STANDING NOTED ON TRANSCRIPT

A student's academic standing (good standing, academic probation, academic suspension, or academic dismissal) is determined at the conclusion of each semester and is notated term by term on the student's transcript.

Expulsion is the permanent separation of a student from the institution. Expulsion at EKU is restricted to the most egregious academic or disciplinary offenses. Expulsion, due to its permanent nature, is notated on the official transcript with the comment, "Expelled – ineligible to return".

Details of due process that can lead to expulsion of a student can be found in the Eastern Kentucky University Handbook for Students. For process and sanction details refer to the Office of Student Conduct and Community Standards page <http://studentrights.eku.edu/student-conduct>

CERTIFICATES

EKU UNIVERSITY-AWARDED CERTIFICATE

At EKU a long-term certificate program (requiring at least one year to complete) results in the awarding of a University Certificate. Undergraduate-level university certificates require 24 or more hours, while graduate-level university certificates require 18 or more hours. University certificates are issued by the University and printed on diploma stock. University certificates are automatically recorded on student transcripts. Students who complete a university certificate must apply for graduation at the dean's office of the college offering the university certificate, and pay applicable fees to cover certificate processing and mailing costs. University certificates are not awarded at the Commencement ceremony and certificate-only earners do not participate in Commencement.

EKU DEPARTMENT-AWARDED CERTIFICATE

A short-term certificate program (requiring less than one year to complete) results in the awarding of a Department Certificate or College Certificate. Undergraduate department/college certificates require 12-23 hours. Graduate-level department/college certificates require 12-17 hours. Department/college certificates are issued by the academic department or college; the student does not formally apply for graduation and no processing fee is required. Completion

of the certificate is tracked internally within the department or college. Department/college certificates may be noted on student transcripts at the request of the department/college. Department/college certificates are not awarded at the Commencement ceremony and no graduation fee is assessed.

CLASS ATTENDANCE

Students must be registered in a class in order to attend and participate. Individuals not registered are prohibited from doing so.

Research shows that students who regularly attend class are more likely to succeed. The University expects all students to be officially registered before the end of the add/drop period for each course, and to attend all class meetings. EKU students are responsible for course work covered during all class periods, specifically any work missed during any absence from class, 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. No absence of any nature will be construed as relieving the student from responsibility for the timely completion of all work assigned by the instructor. Initiating the request to make up class work is the student's responsibility.

Absence from Class Due to Participation in an EKU Sponsored Event: A student who participates in an EKU sponsored event should complete and process a Student Absence from Class form before the sponsored event. This form explains the student's absence, it does not excuse the student from responsibility for content covered during the approved absence.

First Day of Class Attendance: This process is designed to ensure clear reinforcement of the message that class attendance at EKU is important. All faculty (undergraduate and graduate, online and all other modes of delivery) are expected by the University to drop a student for being absent (or not participating online) on the first day of class/first week of class (as scheduled by the Registrar's Office). Students who know they will be absent should contact their instructor or the academic department office PRIOR TO THE 1st CLASS MEETING to explain their absence and request that the instructor not drop them from the class.

Students are responsible for monitoring their class schedule and should never assume that missing the first day of class will automatically result in removal from that class. A student who never attends a class but remains enrolled will receive a failing grade in the course and is responsible for tuition and fees for that class.

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

GRADUATION & COMMENCEMENT INFORMATION

APPLICATION FOR GRADUATION

EKU is dedicated to all students making timely progress toward their desired degree. The EKU baccalaureate degree standard is a completion timeframe of 4 years for a 120 credit hour program. After declaring their desired baccalaureate degree program, students are expected to create a semester-by-semester degree pathway in the Degree Works academic planner, and to have this academic plan reviewed and approved by an advisor. To make appropriate progress toward their degree, students are expected to earn at least 15 credit hours per term (or 30 hours per academic year) and take only those classes needed for their declared degree program as listed on their Degree Works planner. Students must be aware that changing majors is likely to prolong time toward degree, and they should make such changes only after serious discussion with an advisor or department or program chair (see Changing Major section of this catalog for more details). Due to specific program requirements, students who transfer into EKU with more than 60 hours may require more than two years at EKU to complete a baccalaureate degree.

APPLYING FOR GRADUATION: 90TH HOUR PRE-GRADUATION REVIEW Required Graduation Application and Evaluation

To assist students with completing their degree on schedule, EKU professional advisors/graduation experts will review the student's academic progress and Degree Works graduation plan to determine the earliest, reasonable graduation semester. Baccalaureate degree seeking students will apply for graduation, and thus trigger this official graduation evaluation, during the semester in which they enroll in their 90th credit hour. The timing of this pre-graduation review is designed to be early enough to allow students to make any needed changes and avoid a graduation delay. Once evaluation has been triggered, a registration hold will be placed on the student's record pending submission of their graduation application. This hold is lifted automatically after the student submits a graduation application, online, through EKUDirect.

Each degree and University certificate-seeking student shall apply for graduation using the online graduation application located within each student's EKUDirect secure student services account. At the time of application each student shall have created, and have approved by an advisor, a Degree Works academic plan for every semester up through the proposed graduation term.

During the graduation evaluation the student's current registration and Degree Works plan for future terms will be examined – to determine whether the student is on-track and efficiently headed toward graduation. The student will be informed if he or she cannot meet the graduation goal declared on the graduation application, advised how to get back on-track, and given a new graduation timetable.

Results from the graduation evaluation will be documented on the student's Degree Works. Students will receive reminders when it is time to apply for graduation and initiate the graduation evaluation. Students are expected to heed warnings and follow any instructions posted on their Degree Works audit as a result of this official graduation evaluation. Students who apply to graduate without having the appropriate academic plan in Degree Works

will be expected to submit the plan before being evaluated and before registering for the next semester.

Each student's degree will be awarded by the University at the first opportunity to do so upon completion of requirements for the student's declared program, per the student's graduation application. Students are expected to earn their baccalaureate degree no later than 6 years after initial matriculation as a first-time degree-seeking student.

Final graduation clearance, degree certification on behalf of the University, and production of diplomas are completed by the Office of the Registrar.

Changing Major after Applying to Graduate

After applying to graduate and having a graduation semester confirmed by the University, students are expected to maintain their declared program of study, and thus graduate on schedule. Each student is expected to carefully review how any proposed change to a declared program of study would impact his or her approved graduation timetable and future financial assistance, if relevant. Given the gravity of such changes, only in extreme situations and after careful consultations with the student's professional advisor and/or written permission from a graduation evaluator would a change that would delay graduation be considered.

Deferral of Graduation Date

Students who are not successful in completing all graduation requirements by their approved graduation date, but for whom the University determines the graduation goal is still easily within reach, will have their graduation term automatically deferred to the next semester. Students can have their graduation deferred for a maximum of two sequential semesters. After that time the original graduation application will be cancelled and the student will be required to submit a new application for graduation, pay a new application fee, and have a revised Degree Works graduation plan approved by the graduation evaluator.

Commencement Participation

Commencement ceremonies are conducted at the conclusion of the fall and spring semesters, prior to final grade processing. Students who are graduating at the end of the summer semester may participate at the preceding spring ceremony. Students who are graduating at the end of the winter term may participate at the preceding fall ceremony.

The Commencement ceremony represents a celebratory gathering of all degree candidates who are expected to complete their academic requirements by the official degree-conferral date as established by the University. Attendance at Commencement is optional. Participation in the Commencement ceremony does not represent confirmation of degree completion ("graduation"). After final grades are processed and reviewed, degrees will be conferred. Students earning only a certificate, either university or departmental, may not participate in the Commencement ceremony. For additional information regarding Commencement, please refer to the registrar's Web site at www.registrar.eku.edu/graduationInformation/.

GRADUATION FAIR (GRAD FEST)

There is a graduation fair (Grad Fest) on campus each fall and spring semester. This is an important event for all graduating students. At Grad Fest, students will conclude all needed graduation tasks, including picking up pre-ordered academic regalia. For additional information, please refer to the Grad Fest

website at <http://registrar.eku.edu/gradfest>

GRADUATION FEE

There is a graduation application fee for each diploma and/or university certificate sought; the appropriate fee is assessed to the student's EKU account upon receipt of the graduation application. This graduation fee only partially offsets the full cost of commencement celebrations and production and mailing of diplomas and certificates.

GRADUATION ACADEMIC REGALIA

Students order and pay for commencement regalia (cap, tassel, hood, and gown) through the EKU Barnes & Noble bookstore (<http://registrar.eku.edu/graduation>) Students earning University Latin Honors receive a complimentary Honors Sash; this regalia will be available at the Registrar's table during Grad Fest. Students graduating from the Honors Program will receive a complimentary maroon mortarboard from the Honors Program office. Refer to the Graduation Information website for more details regarding graduation fees and/or commencement.

DEGREE CONFERRAL DATE

The Board of Regents of Eastern Kentucky University approves the conferring of degrees four times per year. These conferral dates represent confirmation that all degree and/or university certificate requirements have been met by that date. The formal conferral date is posted to the student's academic transcript and is the date printed on the diploma and certificate. Below are the EKU degree/certificate conferral dates:

Fall	December 31
Winter	January 31
Spring	May 31
Summer	August 31

For information see the Graduation Information website at: www.registrar.eku.edu/GraduationInformation/diplomas/

LOCKING ACADEMIC HISTORY (AFTER DEGREE HAS BEEN AWARDED)

Once a degree has been conferred the academic record of all work contributed to the awarded baccalaureate, master's, or doctoral degree is locked. No course grades may be repeated or replaced for any classes used toward the conferred degree.

The Office of the Registrar takes great care to ensure that each student's academic record is accurate. Any student who believes an error has occurred should immediately bring this to the attention of the Office of the Registrar. Students have one calendar year after a degree is awarded to identify any item on their academic record believed to be in error. After that time the record is considered to be permanent. Please note that grade challenges have a different timetable and must always be directed to the chair of the department which offered the course in question. For details regarding the timetable and process for grade challenges please refer to the student handbook at <http://studentaffairs.eku.edu/studenthandbook>

DIPLOMA AND UNIVERSITY CERTIFICATE PRODUCTION

Diplomas and University Certificates are produced and

mailed to students after all final grades are reviewed and it has been confirmed that all degree requirements have been met. The graduation confirmation process takes several weeks to complete. Therefore, students should expect to receive their diploma 4-6 weeks after the end of finals week. Students who are indebted to the University will not have their transcript or diploma released until the debt is paid. Any questions regarding student financial obligations should be directed to EKU Student Accounting Services.

ASSOCIATE DEGREE HONORS

With Distinction and With High Distinction

Students earning an Associate Degree are graduated "With Distinction" if they attain a GPA of at least 3.5, but less than 3.7, on all GPA hours attempted at Eastern Kentucky University and if they complete a minimum of 30 GPA credit hours, with standard grading, at Eastern Kentucky University.

GPA credit hours are courses graded using standard grades of A-F. These grades have a numerical value and can be used to calculate a student's GPA. A course with a grade of CR or S has no numerical value and supplies no GPA hours, and cannot count toward the minimum required 30 GPA credit hours.

Students earning an Associate Degree are graduated "With High Distinction" if they attain a grade point average (GPA) of 3.7 or higher on all GPA hours attempted at Eastern Kentucky University and if they complete a minimum of 30 GPA credit hours, with normal grading, at Eastern Kentucky University.

For purposes of honors recognition, all GPA credit hours attempted at Eastern Kentucky University - including those which are subsequently repeated or bankrupted - shall be included when calculating the GPA used to award academic honors. Because of timing, honors GPA calculations - solely for the purpose of recognition at the commencement ceremony - cannot include the final semester's course work. In-progress hours will be used to attempt to meet the 30 semester hours at Eastern Kentucky University requirement. Calculations for the permanent designation of honors on the diploma and transcript will include the final semester grades.

BACCALAUREATE DEGREE HONORS

Latin Honors: Cum Laude, Magna Cum Laude, Summa Cum Laude

Eastern Kentucky University recognizes graduating baccalaureate degree students who have achieved distinguished academic records by awarding their degree with Latin Honors. There are three levels of Latin Honors: Cum laude ("with praise"), Magna Cum laude ("with great praise"), and Summa Cum laude ("with highest praise"). All students earning Latin honors must take at least 25% (30 GPA credit hours) of their degree applicable course work at Eastern Kentucky University.

GPA credit hours are courses graded using standard grades of A-F. These grades have a numerical value and can be used to calculate a student's GPA. A course with a grade of CR or S has no numerical value and supplies no GPA hours, and cannot count toward the minimum required 30 GPA credit hours.

All GPA credit hours attempted at Eastern Kentucky University (including those which are subsequently repeated or bankrupted) will be used in calculating each Latin Honor grade point average (GPA). Latin honors GPA calculation—for purposes of designating which students may wear a Latin Honors sash at the graduation commencement ceremony—does not include the final semester's course work as these calculations occur weeks before the term has finished. Once a student's final semester has concluded and final grades are available, these grades will be included in the calculations to award the permanent designation of Latin Honors on a student's diploma and transcript.

Cum Laude: Students earning Cum Laude must attain an institutional GPA of at least 3.5, but less than a 3.7, on all GPA credit hours attempted at Eastern Kentucky University. Additionally, a minimum of 30 GPA credit hours, with standard grading, must be taken at Eastern Kentucky University.

Magna Cum Laude: Students earning Magna Cum Laude must attain an institutional GPA of at least 3.7, but less than a 3.9, on all GPA credit hours attempted at Eastern Kentucky University. Additionally, a minimum of 30 credit hours, with standard grading, must be taken at Eastern Kentucky University.

Summa Cum Laude: Students earning Summa Cum laude must attain an institutional GPA of at least 3.9, or higher, on all GPA credit hours attempted at Eastern Kentucky University. Additionally, a minimum of 30 credit hours, with standard grading, must be taken at Eastern Kentucky University.

HONORS SCHOLARS PROGRAM

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 an institutional GPA of at least 3.2. Honors Scholars are designated at commencement with a maroon mortarboard.

COURSE TYPES

COURSE BY SPECIAL ARRANGEMENT

A Course by Special Arrangement (CBSA) is a course that is a required part of an approved curriculum program but is being offered to a student during a term or at a time when circumstances prevent the course from being a part of the department's regular class schedule. A CBSA will be approved only if it is within the last two semesters of a student's pending graduation, and if the course meets a degree requirement that cannot be fulfilled by any other mechanism, including independent study. Prior to registration, students must file the CBSA Petition. This petition requires the signature/approval of the instructor, program chair, and dean. An independent study course cannot be a Course by Special Arrangement. Tuition and fees for CBSA courses are computed at the same rate as other regular on-campus courses.

INDEPENDENT STUDY COURSE

Independent study courses, which are distinct from Course by Special Arrangement and special topics courses, are designed to provide an opportunity for a student to pursue a research/study interest not available through any of the courses offered in a program at EKU. To qualify to enroll in an independent study course, students must have a GPA of 2.5 or higher. Independent study courses must be under the supervision/direction of a faculty member with appropriate qualifications for the course content and must be guided by an approved research or project plan. Independent study courses must follow the prescribed Independent Study protocol and be approved in advance of enrollment. The independent study course must be appropriately designated as such in the *Catalog*. Independent study courses should not be used as a mechanism to teach a course not offered in a given semester or as a substitution for program requirements, though they may, with appropriate approval, fulfill

such requirements. Independent study courses are not intended to be a mechanism for enrolling in a course for which a student would otherwise be ineligible. Tuition and fees for independent study courses are computed at the same rate as other regular on-campus courses.

SERVICE LEARNING

Courses that have been officially recognized as including service-learning within their curriculum are designated with the letter "S" following the course prefix and number. Service-learning is defined as:

An academic experiential educational method in which students participate in an organized service activity that meets identified community needs and reflects on the service activity in such a way as to:

- gain further understanding of course content,
- develop critical thinking skills, and
- develop an enhanced sense of civic responsibility

Students will be required to participate in at least 5 hours of community service per credit hour of course credit.

SPECIAL TOPICS COURSES

Special topics courses are designed to offer the opportunity for students to study specialized areas within a discipline. These courses are created with normal class enrollment expectations. The topic of study is designated by the course section title, and may or may not vary with each offering. Students may repeat a special topics course (for the purpose of earning additional course credit) only if the specific course title is different with each subsequent enrollment.

STUDENT SUCCESS SEMINARS

Every student seeking a baccalaureate degree or Associate of Arts Degree in General Studies must complete a 1-3 credit Student Success Seminar.

- Full time students must complete the Student Success Seminar during their first semester.
- Part time students are strongly encouraged to complete the Student Success Seminar during their first semester, and must complete it within their first 18 credits.
- Students who earn a grade of "W," "F," or "FN" in a Student Success Seminar must repeat the course the following term.
- Transfer students who have 30 or more transfer credits with normal grading upon admission to EKU may have this requirement waived. (Some majors require all students to take a Student Success Seminar, regardless of transfer status.)

DECLARING A PROGRAM OF STUDY

CHANGING MAJOR/MINOR/CONCENTRATION

Because changing majors generally lengthens students' time to degree, and thus can significantly increase student debt, students are limited to changing their major only one time per year.

After earning 105 credit hours, students desiring to change their major, or add a minor/concentration/certificate, must secure approval from the dean of the college of their first major, unless the change does not extend time to graduation. A What-If Degree

Works Audit with the proposed new major is required to calculate the number of courses needed for graduation and thus document that the new major will not delay graduation. Students should speak with a college advisor, or the Registrar's Office, for details regarding this process.

Once a student has applied to graduate she/he is expected to follow her/his degree plan that has been certified by a college graduation expert.

Students may declare or change their currently declared major, minor, or concentration, after careful review and advisement by completing the appropriate form and obtaining the written approval of the department chair or advisor of their desired new program. (Read below regarding programs that have specific entrance requirements).

When a major change form is received by the Registrar's Office it will be processed, and a new advisor will be assigned by the Office of University Advising within 2-5 business days.

Students who request a change of major will be moved into the current program for the desired major, per the Catalog in force at the time the request was received. The student will be subject to all program and University graduation requirements, including General Education, as listed in the current Catalog.

Some programs of study require specific admission criteria, and have a formalized admission process. These programs require a separate application for admission. Please refer to the program requirements section of this catalog to determine whether a program has a specific admissions processes or criteria.

When declaring a major, all degree-seeking students shall declare as a first major an EKU degree program, or a university certificate if that is the student's only educational goal.

DEGREE AUDIT

A degree audit is the tool used by EKU to determine degree completion. DegreeWorks is a degree audit report available to students and advisors online via EKUDirect (student web and faculty web). This audit lists the requirements for a student's program and how completed and in-progress courses apply to that program. DegreeWorks must reflect that program requirements are 100% complete before the student's degree will be awarded. Faculty and College Advisors are expected to carefully review how DegreeWorks displays program requirements and provide immediate feedback to reg.dgw@eku.edu should they detect any programming or functional irregularities.

Students should contact their academic advisor if they have questions concerning degree requirements or their DegreeWorks report. Questions can also be emailed directly to the Degree Works programmers at reg.dgw@eku.edu

Curriculum Guides-Academic Plans: Curriculum guides for each program are printed in this catalog and part of the DegreeWorks Academic Planner. All students should create an academic plan in DegreeWorks, maintain and follow that plan. To make timely progress toward a degree full-time students are expected to earn at least 15 credit hours per semester.

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

DEGREE INFORMATION AND REQUIREMENTS

EKU ACADEMIC RESIDENCY REQUIREMENT

A minimum of 25% of coursework applied toward the completion of any major core requirements, minors, and/or EKU certificates must be earned at EKU.

CATALOG

For all graduation requirements, including general education, students will be governed by the Catalog in use at the time they enter the University or declare a new major. Each student has a catalog year associated with their student record, designating the academic year for the *Catalog* dictating their program, General Education, and University graduation requirements. The catalog year for each student may be found on the student's DegreeWorks degree audit. If in a subsequent year any graduation requirements change, students may elect to complete the later requirements by requesting the Registrar's Office move them to the current *Catalog*. Students who stop out for more than two years will meet all graduation requirements in place at the time they reenroll. Students who stop out for fewer than two years may elect to be returned to the graduation requirements in place at the time they declared their major by submitting a request to the Registrar's Office.

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.

COMPREHENSIVE ASSOCIATE DEGREE 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; any applicable PCC^a; general education^b; and a student success seminar, as established by appropriate University committees for each degree program.
3. Complete a minimum of 60 semester credit hours.
4. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern Kentucky University.
5. Earn a minimum of 15 semester hours through Eastern Kentucky University.
6. Earn the credits applicable to major and supporting degree requirements within eight years prior to the date the degree is awarded. Credits more than eight years old may be used to meet general education, upper division, and free elective areas. The college dean of a student's major may validate individual eight-year-old (or older) coursework as meeting major and/or supporting requirements.
7. 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.

Degree Requirement Notes:

^aThe Kentucky PreCollege Curriculum (PCC) is defined and prescribed by the Kentucky Council on Postsecondary Education (CPE). Six hours of the same World Language must be completed within 24 credit hours of enrollment. Applies to students under 21 when first admitted, and/or transferred into EKU fewer than 24 credit hours. See Degree Works to confirm whether a student has a PCC requirement. PCC deficiencies must be remediated within the first 24

hours of enrollment, excluding developmental hours.

^bGeneral Education Requirements for Associate Degrees: Students in associate degree programs must earn a minimum of 15 hours in courses approved for general education. These hours must include ENG 101 and ENG 102 or their equivalent. The nine additional hours must include one course in each of the following General Education Elements: 3A, or 3B (Arts and Humanities); 5A, or 5B (Social and Behavioral Sciences); and 2 (Mathematics), or 4 (Natural Science with Lab).

COMPREHENSIVE BACCALAUREATE DEGREE 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, as established by appropriate University committees for each degree program, that includes:
 - A) Basic skills proficiencies in English, reading and mathematics^a, and any applicable PCC^b,
 - B) Student Success Seminar (if applicable)
 - C) A writing-intensive course,
 - D) General Education,^c and
 - E) The Applied Critical and Creative Thinking (ACCT) requirement^d.
3. Complete a minimum of 120 semester credit hours, with at least 42 hours at the 300 level or above.^e
4. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern Kentucky University.
5. Earn a minimum of 30 semester hours through ECU if the student is pursuing a 120 hour degree program. If the degree program sought requires greater than 120 semester hours, the minimum ECU residency credit shall be no less than 25% of the total program hours.^{f,g}
6. Earn the credits applicable to the major and supporting degree requirements within eight years prior to the date the degree is awarded. Credits more than eight years old may be used to meet general education, upper division and free elective requirements, as well as major requirements for the General Studies degree. The college dean of a student's major may validate individual 8-year-old courses to count for non-General Studies major and supporting requirements.^h

Degree Requirement Notes:

^aStudents 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.

^bThe Kentucky PreCollege Curriculum (PCC) is defined and prescribed by the Kentucky Council on Postsecondary Education (CPE). Six hours of the same World Language must be completed within 24 credit hours of enrollment. Applies to students under 21 when first admitted, and/or transferred into ECU fewer than 24 credit hours. See Degree Works to confirm whether a student has a PCC requirement. PCC deficiencies must be remediated within the first 24 hours of enrollment, excluding developmental hours.

^cGeneral Education Requirements for Baccalaureate Degrees: The General Education Program consists of 36 hours of course work in six Elements: 1. Communication, 2. Mathematics, 3. Arts and Humanities, 4. Natural Sciences, 5. Social and Behavioral Sciences, and 6. Diversity of Perspectives and Experiences. Students must earn the specified number of hours in each of these course categories. See the General Education section in this Catalog for more detailed information about general education requirements.

^dIndividual major programs decide which courses or experiences can be used to satisfy the ACCT requirement. Refer to program descriptions in Section 5 of this catalog for more information.

^eHours Required for a Baccalaureate Degree: The University requires a minimum of 120 semester hours to earn a baccalaureate degree. In most cases this minimum is also the maximum. While there is no upper limit beyond 120 semester hours which may be set as a particular major program's requirements, each program or program change

is approved through the University's committee system and any program requiring beyond 120 semester hours will require substantiation of additional requirements.

^fAccording to AACSB International business accreditation standards, students enrolled in University baccalaureate degree programs, other than those within the School of Business, will not receive credit toward their degrees for more than 25 percent of their undergraduate programs in credit hours in courses offered through the School of Business 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.

^gDegree programs offered by the College of Business and Technology have more stringent residency requirements. Please refer to degree requirements in the College of Business and Technology section of this Catalog.

^hThe college dean of a student's major may validate individual 8-year-old courses to count for non-General Studies major and supporting requirements.

DEGREE PROGRAM DEFINITIONS

A. Major (Baccalaureate): Thirty semester hours is the minimum requirement for a baccalaureate degree major. A course that meets a core program requirement for a major may also fulfill, at the same time, a University graduation requirement; with the exception that a course cannot be used to meet both a major core requirement and a general education area.

B. Concentrations (Baccalaureate): A concentration (synonymous with an option, emphasis, specialty or track) represents a collection of courses offering a student the opportunity to develop a focus within the broader area of their major program. There will be a common grouping of courses (a minimum of 21 semester hours) shared by the major core and its associated concentration. The concentration adds onto the major core an additional 12-18 semester hours of specified coursework to develop the desired expertise. Concentrations may, or may not, be a required component of the program of study. Deviations from the 12-18 hour concentration may be granted by the Council on Academic Affairs when unusual program requirements dictate.

C. Minor (Baccalaureate): Minors require a minimum of 18 semester hours. A list of specified courses may be added for students seeking a teaching certification extension in the minor. A student may not declare a minor with the same subject matter (course prefix) as his/her declared major program of study. Students seeking only an associate degree may not declare a minor. The same course credit may be applied for both major core or supporting requirements and a student's minor. A minor course that is a required part of major core cannot also be used to fulfill a general education requirement.

D. Supporting Courses: Supporting courses are courses that are outside the degree program that provide necessary skills or knowledge. A course cannot be listed as a supporting course if it is offered by the home department of the degree program, unless it is tied by prefix to a different degree program. Supporting courses that are approved as general education courses may be used to fulfill both supporting and general education requirements.

CONCURRENT (DUAL DEGREES) AND SUBSEQUENT DEGREES

Concurrent Degrees: A student may qualify to earn two degrees concurrently (dual degrees) 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 student has the responsibility to file a separate 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. Please refer to the "Application for Graduation" section of this catalog for more details.

Concurrent Associate Degrees: If two 60 credit hour associate degrees are pursued concurrently, a minimum of 75 credit hours must be earned. If one or both of the associate degrees has program requirements in excess of 60 hours, the degree program with the highest number of required hours will be considered the student's first associate degree, and the hours required to earn the second associate degree shall be 25% of the second program's total hours. Students seeking only an associate degree may not declare a minor.

Concurrent Baccalaureate Degrees: If two 120-credit-hour baccalaureate degrees are pursued concurrently, a minimum of 150 credit hours must be earned. If one or both of the baccalaureate degrees has program requirements exceeding 120 hours, the degree program with the highest number of required hours will be considered the student's first baccalaureate degree, and the hours required to earn the second baccalaureate degree shall be 25% of the second program's total hours.

Concurrent Baccalaureate and Associate Degree: The minimum number of hours required for concurrently earning an associate and a baccalaureate degree is the number required by the baccalaureate degree. Associate degree earners are expected to complete that degree prior to completion of their baccalaureate degree.

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. For students who earn their first degree at EKU, hours earned prior to the awarding of a first baccalaureate or associate degree may be counted toward the minimum required to earn a subsequent baccalaureate or associate degree.

Students must earn at least 15 approved semester hours at EKU for an associate degree beyond those required for the earlier degree. A subsequent baccalaureate degree requires at least 30 approved hours earned at EKU beyond those required for the earlier degree.

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.

MULTIPLE MAJORS/MINORS

Students pursuing baccalaureate degrees other than General Studies may consider more than one major and/or minor. All requirements for the declared major and/or minor must be completed by the time the initial degree is awarded. Associate degrees are not eligible for minors or second/multiple majors.

Students are required to declare a primary degree program (specific baccalaureate degree and first major). This program of study is that which will be recorded on the diploma, and which will determine the degree awarded by the University. A second or additional major represents a further emphasis of study and shall be designated on the student's academic transcript. Earning a second or other major, however, is not to be considered as completion of an additional or distinct degree program.

Double Majors vs. Dual Degrees: A student pursuing one degree, but two major areas of study, is said to have a "double major". To complete a double major the student must earn all hours required by the degree program of their first major plus any additional course(s) needed to fulfill only the major and supporting requirements of the second major. A student who fulfills all requirements for two complete degree programs, earning no fewer than 150 credit hours is said to be a "dual degree candidate"

Students who wish to earn two baccalaureate degrees (dual degrees) should refer to the Concurrent Degree policy. Note that associate degrees are not eligible for minors or second/multiple majors.

Awarding Subsequent Majors/Minors: EKU does not award a subsequent major/minor/concentration after an initial degree is conferred unless the student completes a subsequent degree program. While multiple majors, minors and certificates earned by a student are formally posted to the student's academic transcript, only the degree earned and one major will be printed on the diploma. Students interested in pursuing multiple majors, minors, certificates and/or concentrations should contact the Office of Academic Advising and Retention, a college advising office, or the department of interest for additional information.

ENROLLMENT AND CLASS SCHEDULE

ACADEMIC LOAD

The limitations below apply to all enrollments or combinations of enrollments for the term specified, including campus classes, regional campus classes, online study, and enrollments at other institutions. The Registrar will not record credits beyond these maximums.

Enrollment in Fall/Spring Terms: To make timely progress toward their degree, **full-time students are expected to earn 15-16 credit hours each fall/spring semester or 30 credit hours per academic year (Fall/Winter/Spring/Summer)**. Full-time student status requires a minimum of 12 credit hours during a fall or spring term. Students carrying fewer than 12 credit hours are considered part time. A student who has established a superior record 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 for an undergraduate student is 21 credit hours.

Enrollment in Summer Term: For enrollment verification and financial aid during the summer semester, an undergraduate student must be registered in at least 12 credit hours to be considered a full-time student. Enrolling in more than 12 credit hours is restricted to students who have established a superior academic record. Permission to enroll in more than 12 credit hours during the summer must be granted by the dean of the college of the student's first major. The absolute maximum summer enrollment is 15 hours.

Financial Aid and Enrollment Verification: Please note that, for financial aid, enrollment verification, and loan consideration, full-time status requires a minimum of twelve semester hours in any academic term.

Note: Students who are not on good standing academically have lower maximum enrollment limits. Please refer to the section on Minimum Academic Standards.

CLASS SCHEDULE CHANGES

Dropping a Class - 1st Week of Class: 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 (add/drop), the course will not appear on the student's grade report or transcript. Course drops are executed online through EKUDirect.

Late Enrollment

Students who wish to add a class to their schedule after the

published deadline to do so, must secure the permission of the instructor of the course, the department chair, and the dean of the college offering the course. The student shall complete the Request for Late Enrollment and submit it to the instructor of the class. If enrollment is approved, the instructor passes the form onto the appropriate department office for further processing. The Request for Late Enrollment form is available on the Registrar’s website.

NOTE: University holds preventing registration do not constitute an excuse for attending class without being officially enrolled. Students are expected to communicate with the office which placed the hold on their account and secure permission to be enrolled – BEFORE the deadline to add a class online.

WITHDRAWING FROM A CLASS

See Withdrawal section on page 67.

FINAL EXAMINATIONS

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.

FIRST DAY OF CLASS ATTENDANCE

All instructors are expected to participate in the First Day Attendance-Faculty Drop process. For information regarding faculty dropping students for missing the first day of class, see Class Attendance section on page 47 of the Catalog.

FEE FOR INITIAL REGISTRATION AFTER CLASSES BEGIN

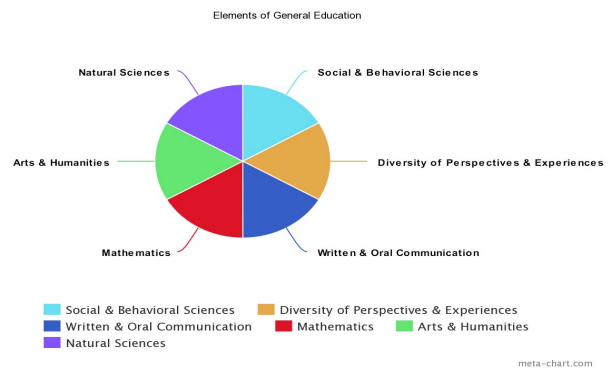
Students whose initial registration for the term does not occur until on or after the first day of class will be assessed a non-refundable \$50 late initial registration fee.

GENERAL EDUCATION REQUIREMENTS

The mission of general education is to promote learning that is central to the intellectual pursuits associated with our educational programs and to enable students to make informed choices about matters of public and personal significance in a diverse, democratic society and global community. The general education program helps students to become informed, independent thinkers by developing competencies in communication, quantitative analysis, and critical thinking by helping them understand and appreciate the diversity of culture, individuals, the natural environment, and the global society. Courses that are used to satisfy the program’s Major Requirements cannot also be used to satisfy General Education requirements.

The General Education Program consists of 36 hours of course work in six elements: 1. Communication, 2. Mathematics, 3. Arts and Humanities, 4. Natural Sciences, 5. Social and Behavioral Sciences, 6. Diversity of Perspectives and Experiences. Students must earn the specified number of hours in each of these Elements.

Some courses may be listed in more than one General Education category. However, no single course can be used to satisfy more than one General Education requirement.



Changing General Education Requirements

The following General Education program is highly integrated with University requirements, therefore students moving into the newest catalog will be held to these General Education and University graduation requirements, as well as major requirements as listed in this Catalog.

Students will have one catalog year governing all graduation conditions. To see how a Catalog change will impact their progress toward degree, students are expected to first run a “What-If” DegreeWorks audit and study the impact of a Catalog change. Once a student has moved forward to a new catalog year they cannot move back to a previous year.

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. Courses with an “L” are laboratory classes and one credit hour unless otherwise noted. Course numbers followed by (^) have prerequisites or other restrictions on enrollment. Refer to Course Descriptions in Section Seven of this Catalog for specific restrictions.

SUMMARY CHECKLIST FOR GENERAL EDUCATION

Element 1: (9 hours)
A: Written Communication (3)
B: Written Communication (3)
C: Oral Communication (3)
Element 2: Mathematics (3 hours)
Element 3: (6 hours)
A: Arts (3)
B: Humanities (3)
Element 4: Natural Sciences (6 hours)
Element 5: (6 hours)
A: Historical Science (3)
B: Social & Behavioral Science (3)
Element 6: Diversity of Perspectives & Experiences (6 hours)
Total: 36 hours

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

1. COMMUNICATION.	
1A Written Communication. Three hours required.	
ENG 101^	Reading, Writing and Rhetoric
ENG 101R^	Reading, Writing, Rhetoric (Supported)
ENG 105^	First Year Writing Seminar

IB Written Communication. Three hours required.	
ENG 102^	Research, Writing and Rhetoric
NOTE: Students earning "A" or "B" in ENG 105 will earn six hours of credit, three hours of which will be applied to category IB, thus completing Elements 1A & 1B. Those earning "C" or "D" will earn three hours credit, completing only Element 1A, and will then take ENG 102.	
IC Oral Communication. Three hours required.	
CMS 100 Introduction to Human Communication	
CMS 210 Public Speaking	
EES 250 Basic Social Intelligence Skills	

2. MATHEMATICS. Three hours required.	
HON 304W	Honors Seminar in Mathematical Sciences
MAT 105^	Mathematics with Applications
MAT 106^	Applied Finite Mathematics
MAT 110	Introduction to Algebraic Functions
MAT 112^	Algebra and Applications
MAT 114^ (MAT 107)	College Algebra
MAT 120^ (MAT 108^)	Trigonometry
MAT 122^ (MAT 109^)	Precalculus Mathematics (5)
MAT 211^	Applied Calculus
MAT 234^ (MAT 124)	Calculus I (4)
MAT 234H^ (MAT 124H)	Honors Calculus I (4)
STA 215	Introduction to Statistical Reasoning
STA 270	Applied Statistics

3. ARTS AND HUMANITIES. Six hours required.	
Select three hours in Arts courses listed in 3A and three hours in Humanities courses listed in 3B.	
3A Arts. Three hours required.	
ART 200^	Art Appreciation
BEM 350^	Cinema History I
BEM 351^	Cinema History II
ENG 335^ or 335W^	Modern Drama
HON 307W^	Honors Seminars in the Arts
HUM 124	Humanities and the Search for Meaning
HUM 226	The Search for Meaning: The Ancient World
HUM 228	The Search for Meaning: The Modern World
HUM 300 or 300W	Humanity in the Postmodern Age
MUH 171	Music Appreciation
MUH 271	Jazz History
MUH 272	Music Literature
MUH 273	Survey of American Popular Music
PHE 200	Dance and Culture
THE 100	Introduction to Theatre
THE 135	Acting I
THE 390	Theatre History I
THE 391	Theatre History II
3B Humanities. Three hours required.	
AFA 201 or 201W^	The African Experience
APP 365^ or 365W^	Appalachian Literature
ENG 110	Introduction to Literature
ENG 208W^/ ENV 208W	Literature and the Environment
ENG 210^ or 210W^	Enjoying Literature
ENG 211^ or 211W^	Survey of World Literature I
ENG 212^ or 212W^	Survey of World Literature II
ENG 365^ or 365W^	Appalachian Literature

FCC 210	Topics in Culture
FCC 220	French Culture and Civilization
FCC 222	German Culture and Civilization
FCC 226	Hispanic Culture and Civilization
FCC 227	Japanese Culture and Civilization
HON 308W^	Honors Seminar in the Humanities
HUM 124	Humanities and the Search for Meaning
HUM 226	The Search for Meaning: The Ancient World
HUM 228	The Search for Meaning: The Modern World
HUM 300 or 300W	Humanity in the Postmodern Age
PHI 110 or 110W^	Beginning Philosophy
PHI 130 or 130S	Beginning Ethics
PHI 240 or 240W^	Philosophy of Religion
PHI 300 or 300W^	Greek and Roman Philosophy
PHI 320	Modern Philosophy
POL 250	Introduction to Political Philosophy
REL 301 or 301W^	World Religions
THE 390	Theatre History I
THE 391	Theatre History II

4. NATURAL SCIENCES. Six hours required.	
Select two courses from the list below that have different course prefixes.	
ANT 201	Introduction to Physical Anthropology
AST 130 and 133	Introductory Astronomy and Astronomy Transition Lab
AST 135^	Introductory Astronomy
AST 335	Stars, Galaxies & Cosmology
BIO 100	Introductory Biology
BIO 101	Essentials of Biology
BIO 102	Inquiry Biology for Teachers
BIO 111	Cell and Molecular Biology (4)
BIO 112	Ecology and Evolution (4)
CHE 100	Inquiry Chemistry for Teachers
CHE 101/101L^	Introductory Chemistry /Introductory Chemistry Lab I. (4)
CHE 105/105L^	Chemistry for the Health Sciences/Health Science Chemistry Lab (4)
CHE 111/111L^	General Chemistry I/General Chemistry Lab I (4)
GEO 110	Environmental Geography
GEO 210	Introduction to Physical Geography
GLY 102	Earth Science for Teachers
GLY 104	The World Ocean
GLY 107	Gold and Diamonds
GLY 108	Plate Tectonics: The Active Earth
GLY 109	Great Moments in Earth History
GLY 304	The World Ocean
HON 317	Honors Seminar in the Natural Sciences
PHY 101^	Conceptual Physics
PHY 102	Inquiry Physics for Teachers
PHY 131^	College Physics I (5)
PHY 201^	University Physics I (5)

5. SOCIAL AND BEHAVIORAL SCIENCES.	
5A Historical Perspective. Three hours required.	
ANT 200	Anthropology of Human Society
HIS 100	World Topics To 1500: ____.
HIS 101	World Topics Since 1500: ____.
HIS 102	American Civilization to 1877
HIS 103	American Civilization Since 1877

SECTION FIVE - GENERAL ACADEMIC INFORMATION

HIS 147	World Civilizations Since 1500
HIS 204W [^]	Historical Inquiry
HON 310W [^]	Honors Seminar in History
MSL 303 [^]	American Military History
POL 101	Introduction to American Government
POL 212	Introduction to Comparative Politics
5B Social and Behavioral Science. Three hours required.	
ANS 200	Introduction to Animal Studies
ANT 120	Introduction to Cultural Anthropology
APP 200	Introduction to Appalachia
COM 200 or 200W [^]	Mass Media and Society
ECO 120 [^]	Economic Reasoning and Issues
ECO 130 [^]	Contemporary Economic Problems
ECO 230 [^]	Microeconomics
ECO 231 [^]	Macroeconomics
ENV 200 [^]	The Sustainable Global Future
GEO 100	Regions and Nations of the World
HON 312W [^]	Honors Seminar in Social and Behavioral Sciences
POL 100	Principles of Politics and Government
POL 101	Introduction to American Government
POL 212	Introduction to Comparative Politics
POL 220	Introduction to World Politics
POL 250	Introduction to Political Philosophy
POL 301 [^]	Citizen's Assembly (CACTUS)
PSY 200 or 200W [^]	Introduction to Psychology
PSY 280 [^] or 280W [^]	Lifespan Development
SOC 131	Introductory Sociology
SOC 235	Social Problems
SWK 310 [^] or 310W [^]	Social Welfare Policy History

6. DIVERSITY OF PERSPECTIVES AND EXPERIENCES. Six hours required.	
(Foreign Language course will also meet PCC language requirement.)	
Select any two courses from the list below:	
AFA 200/EMS 200	Exploring Africa Through Play
AFA 201 or 201W [^]	The African Experience
AFA 202 or 202W [^]	The African-American Experience
AFA 356/POL 356	African American Political Thought
AFA 360/ENG 360	Literatures of Africa
AFA 361/ENG 361	African-American Literature
AFA 367/ENG 367	African Caribbean Literatures
ANT 330 [^]	American Indians
APP 200	Introduction to Appalachia
APP 365 [^] or 365W [^] / ENG 365 [^] or 365W [^]	Appalachian Literature
APP 373/POL 373	Politics of Development in Appalachia
†ASL 101	American Sign Language I
†ASL 102 [^]	American Sign Language II
CDF 232/WGS 232	Identity and Sexuality
CHN 101	Conversational Chinese I
CHN 102	Conversational Chinese II
ENG 362	North American Native Literature
ENG 363	Latin American/Latino Literature
ENG 364/WGS 364	Women's Literature
ENG 366/WGS 366	Queer Theory and Literatures
†FLS 101	Language Topics:
†FLS 102	Language Topics:
†FRE 101 [^]	Conversational French I
†FRE 102	Conversational French II

†FRE 201	Intermediate Conversational French I
†FRE 202	Intermediate Conversational French II
†GER 101 [^]	Conversational German I
†GER 102	Conversational German II
†GER 201	Intermediate Conversational German I
†GER 202	Intermediate Conversational German II
HEA 310 [^]	Introduction To Global Health
HIS 205	The Marginalized in History:___
HON 320W [^]	Honors Seminar in Diversity of Perspectives and Experiences
HUM 360 [^]	Non-Western Traditions
†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
POL 319 [^]	Canadian Politics
REL 320 [^]	Judaism
REL 335 [^]	Islam
REL 340 [^]	Religions of India
REL 345 [^]	Religions of China and Japan
REL 350 [^]	Buddhism
SED 104	Special Education Introduction
SOC 399	Gender and Society
SOC 400	Racial and Ethnic Relations
†SPA 101 [^]	Conversational Spanish I
†SPA 102	Conversational Spanish II
†SPA 105	Spanish Honors
†SPA 201	Intermediate Conversational Spanish I
†SPA 202	Intermediate Conversational Spanish II
†SPA 205 [^]	Accelerated Spanish II
†SPA 206	Conversational Fluency
VTS 200 [^]	Intro to Veterans Studies
VTS 300 [^]	Veterans in Society
WGS 201	Intro to Women and Gender Studies

†If Foreign Language is used to meet the requirement, it is strongly recommended that students take two courses in the same language. A student with a foreign language PCC need must take two terms of the same language.

Course numbers followed by (^) have prerequisites or other restrictions on enrollment.

GRADES

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 Registrar's Office 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 Registrar's Office, obtain the appropriate signatures and return it to that office, Whitlock 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.

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. Students have one calendar year in which to bring to the Registrar's attention an error

on their transcript. This does not include any challenge based upon an unsatisfactory grade. Refer to the student handbook for the appropriate process for grade challenges (<http://studentaffairs.eku.edu/studenthandbook>).

Credit/No Credit (CR/NC) Coursework: The grade of “CR” (credit) is awarded as recognition of appropriate scores on AP, IB, CLEP or other proficiency exams and prior learning assessment. International coursework transferred to EKU will be recorded as CR/NC. Existing EKU students who complete an EKU-approved/sponsored study abroad program, and have a completed Study Abroad Pre-Approval form on file in the EKU Office of International Student and Scholar Services, may receive a regular letter grade for the international coursework taken while participating in the sanctioned study abroad experience.

Undergraduate course work with CR grades may be used to fulfill major, minor, certificate, supporting program, and/or concentration area requirements, (unless explicitly prohibited by the appropriate academic department), to a maximum of 20% of the credit hours required for each component of an academic program’s major. Exceptions to this limit may be authorized by the Dean/Associate Dean of the college offering the program. There is no limit to the number of CR credit hours used to meet general education areas or to serve as free electives.

Developmental College Readiness Coursework (Zero-Level): Each developmental course is numbered 090 or 095. These are institutional-credit courses. Credit hours for a zero-level course do not apply toward graduation; however, zero-level courses do count toward enrollment status for purposes of financial aid eligibility and full-time student status. Grades for 090 and 095 developmental courses include A, B, C, and F. (Note: MAT 098 is a zero-level course but is not a developmental course.)

Equivalent Courses: Equivalent or cross listed courses are those in which credit will be earned for just one course. Equivalent courses may or may not be cross-listed in the schedule. Should there be a second enrollment in an equivalent or cross listed course, 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 of the new major. In that instance, credit for the first taking will be removed.

Failure Due to Academic Dishonesty (FX): This grade is a sanction for repeated violations of the Academic Integrity (AI) Policy. The “FX” grade denotes failure in the course due to academic dishonesty and is a permanent grade reflected on the student’s transcript. A student assigned an “FX” grade will not be permitted to drop or withdraw from the course. A student who wishes to repeat a course in which an FX grade was applied may do so for the purpose of rehabilitating his/her GPA. The course may only be repeated at EKU. Repeating an FX course will not remove the FX grade from the student’s transcript.

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.

Grade Changes: All grade changes must be made by the following deadlines: for fall semester grades—the last day of regular classes (prior to finals week) for the following spring semester; and for spring and summer semester grades—the last day of regular classes (prior to finals week) for the following fall semester.

Grade Point Average (GPA): The GPA is a calculation of the sum of total quality points earned, divided by the total attempted course credits. Quality points are determined by multiplying the numerical value for each grade earned, times the credit hours for the course.

Each student has an institutional GPA reflecting his/her overall academic performance, as well as a term GPA indicating achievement for the current semester. Grades for all non-zero level EKU and transfer courses are included in a student’s overall GPA calculation. The GPA is used to measure a student’s academic standing. Successful completion of any degree or certificate program requires a minimum of a 2.0 overall as well as institutional GPA. The official EKU GPA is truncated at two decimal places; GPAs are never rounded numbers.

Each student can view his/her GPA through his/her secure online EKUDirect self-service account. In EKUDirect the GPA appears on the Official Grade Report, the student transcript, and on each student’s DegreeWorks degree audit. Each student is expected to monitor their GPA through these sources. Note that a separate GPA calculation is done for determining University graduation honors (also referred to as Latin Honors). Refer to the Latin Honor section of this catalog for rules regarding Latin Honors GPAs.

Incomplete Grades: Instructors may assign an incomplete grade “I” to students who have satisfactorily completed at least 60% of a course but are unable to complete the course due to extenuating circumstances. An “I” grade is never appropriate as a midterm grade. Instructors who assign an “I” grade must provide an Incomplete Grade Agreement within 15 university business days.

Incomplete Grades Blocking Graduation: A degree cannot be awarded to a student with any incomplete EKU courses on his/her record. Any student who is a pending graduate with unresolved EKU incomplete grades (“I”) will be given the choice of either accepting an “F” for the course (or “NC” for unresolved “IP” grades) or being deferred to the next term for graduation consideration. All incompletes for students pending graduation must be resolved before their published degree conferral date.

In-Progress Grades: 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 by the deadline, the Registrar will change the “IP” grade to “NC” (NO CREDIT), and the student must register again for the course to receive credit.

Incomplete Grade Agreement: When a student has extenuating circumstances that impede him/her from completing a course, an incomplete grade may be awarded as a temporary final grade. The incomplete grade cannot be used simply because a

student has failed to complete the work in the course or as a means of raising the student's grade by doing additional work after the grade report time.

Students must request an incomplete grade from the faculty member prior to the last day of class when a student wishes to pursue an incomplete grade. If the instructor agrees that the student has extenuating circumstances beyond his/her control and the instructor agrees to assign an incomplete grade, the instructor must complete an Incomplete Grade Agreement detailing all outstanding assignments and/or conditions needed to complete the course, and a due date for each assignment. An incomplete grade may not be given as a midterm grade. Any student given an incomplete is expected to have satisfactorily completed at least 60% of the course.

The following procedure applies when an instructor has agreed to assign a grade of "I" for students who are unable to complete the course because of extenuating circumstances.

1. On the Incomplete Grade Agreement, the instructor will identify all outstanding assignments and/or other conditions needed to complete the course, and due dates for each assignment.
2. Faculty are strongly encouraged to give students the shortest reasonable time period in which to complete the work. The longest possible time period is the end of the next regular semester (fall/spring); however, typically it benefits students to complete work before they begin classes the next semester.
3. The Incomplete Grade Agreement must be signed by the faculty member, student, chair of the department offering the course, and dean of the college offering the course. Student approval of the terms of the Incomplete Agreement can be submitted electronically, and attached to the form. Chairs should assure that the Agreement includes reasonable due dates for completing the work, and all signatures.
4. The Incomplete Grade Agreement must be received by the Registrar's Office no later than 15 university business days past the deadline for final grade submission. While the faculty will be able to submit the "I" grade through the online grade submission process, any "I" grade that is not accompanied by an Incomplete Grade Agreement within 15 university business days of the advertised final grade submission deadline will be converted to an "F."
5. Outstanding work must be completed by the student and a Grade Change form must be submitted by the instructor to the Registrar's Office by the deadline noted on the Incomplete Grade Agreement. If a grade change is not submitted by the established deadline, the incomplete will automatically default to a failing ("F") grade.
6. If, due to extenuating circumstances, a student is unable to complete the contracted course work to fulfill the incomplete course by the deadline on the Incomplete Grade Agreement, the student has the option of requesting a one-time, one semester extension to the incomplete deadline. The student must initiate the request through the instructor before the original deadline. Approval of the extension of an incomplete grade is not automatic and depends on the student's unique circumstances.

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

GRADE	MEANING	GRADE POINTS PER HOUR
A	Excellent	4.00
B	Good	3.00
C	Average	2.00
D	Poor	1.00
F	Failure	0.00
FN	Failure-Student Stopped Attending Class	0.00
FX	Failure-Academic Dishonesty	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
UN	Failure*-Student Stopped Attending Class	0.00
W	Withdrawal (Official)	0.00
WM	Withdraw Due To Military Activation	0.00
AU	Audit	0.00
CR	Credit Only	0.00
IP	In Progress	0.00
NC	No Credit	0.00
NR	Not Reported	0.00

**FN/UN: Students who stop attending/participation in online courses and do not resume participation have unofficially withdrawn from the class. This act may have significant financial aid repercussions. EKU is required by the U.S. Department of Education to provide a last date of attendance/participation for such students.*

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," "B," "C," "D," "F," or "U."

First-Time Freshmen Mid-Term Grade Review: See Academic Standards, 45.

Submission of Mid-Term Grades: Faculty will provide mid-term grades via the Banner (EKU Direct) system for all students in undergraduate-credit, full-semester courses by the end of the eighth week. In the case of non-standard courses, faculty will enter mid-term grades by the mid-point of the course and before the last day to withdraw from the course, as published on the Colonel's Compass.

Mid-term grades are not required for the following types of classes: non-gradable laboratory sections, co-op, practicums, and internships.

Military Activation: A student who is called to active duty or whose spouse/legal guardian is called to active duty may be unable to complete courses in which they enrolled. If military activation affects the ability of a student to complete a course, the University provides several options, including withdrawal from the course and/or University or taking an incomplete and completing the

course(s) following completion of active duty.

A student who volunteers for military service during a semester makes the decision to join the military instead of being a student, and does so while the semester is in progress, (instead of completing the semester and then joining), is not eligible for Military Withdraw, Military Incomplete, or to receive a grade early in the semester. The spouse of a student who volunteers for military service and cannot complete a semester will not be eligible for Military Withdraw, Military Incomplete, or to receive a grade early in the semester.

Students with military status (Active, Reserves, National Guard) at the beginning of the semester, or spouses of such students, finding it necessary to leave the University because of required active military duty must complete one (1) of the following:

Option 1 – Receive a Grade

1. When military activation occurs after the 12th week of the semester, the instructor has the option of assigning the student a grade in the class based upon work completed. That grade would be submitted during normal final grade submission, and no additional work would be required of the student.
2. The request for assignment of a grade based on coursework completed must be made in writing and must be approved by the Chair of the Department and the Dean of the College in which the course(s) is offered. A copy of activation papers must be attached.

Option 2 – Receive an Incomplete Due to Military Activation

1. The affected student will petition the faculty members to request an assignment of a grade of “IM” in course(s) currently enrolled.
2. If the instructor feels that the portion of the semester remaining, and volume of uncovered material is such that it can be made up in a reasonable amount of time and effort, a grade of “Incomplete for Military Activation” may be given.
3. The instructor completes an Incomplete Grade Contract and notes on the contract that this is due to military activation. The student shall provide a copy of the military orders and the instructor must ensure that a copy of the student’s military orders is attached to then Incomplete Grade Contract. Without a copy of these orders the student cannot receive the “Incomplete for Military Activation” grade.
4. The Incomplete Grade Contract shall be processed as normal.
5. Once the Registrar’s Office receives a copy of the military orders an “IM” grade will be recorded.
6. The student has two (2) years from the date of military discharge to complete an “IM” grade. The student, upon completion of active military duty, must follow up with the faculty member. If the faculty member is no longer with the University or is on leave from the University, the student should contact the Department Chair for determining how to fulfill the Incomplete Grade Contract. If the student does not make contact within 2 years of leaving the University, the “IM” turns to a “W.”
7. Upon completion of coursework, the instructor will submit a change of grade form.

Option 3 – Receive a Military Withdrawal from the Course or from the University

1. Students choosing to withdraw from specific courses or from the University must send a letter requesting a withdrawal and enclose a copy of the military activation notification. The letter must include the following information:
 - Student name and Student EKU ID Number
 - A statement that the student wishes to withdraw completely from the University OR listing the individual

courses for withdrawal.

- Student’s signature (mandatory) and the date
2. The Office of the Registrar staff will process the withdrawal which also triggers a 100% refund in all tuition and course fees. Room and board fees will be prorated.
 3. If a student requests an incomplete and the faculty declines to grant an “IM,” then the student will have to withdraw.

For additional information regarding Military Incomplete status please see the Military Activation Web site at: <http://www.registrar.eku.edu/registration/military/>.

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 Registrar’s Office 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 completing the Audit/Pass-Fail registration form, available from the Registrar’s Office. Students may change to or from the Pass-Fail option by the date specified each semester in the Colonel’s Compass. The student must submit to the Registrar’s Office the completed form as authorization to change their registered course to Pass/Fail.

Repeating Courses: Students may repeat college-level courses. In those courses, the highest grades earned will replace a lower grade in calculations of the student’s term and institutional GPA. This grade replacement occurs irrespective of whether the lower grade was earned in the original taking of the course or in a repeat enrollment.*

The repeated course and grade will still appear on the transcript but with a notation indicating whether the grade is included in, or excluded from, the student’s GPA. If a student attempts to repeat a course and replace the grade but then withdraws from the course, that course attempt will not be counted among those for which grade replacement is available.**

Students who repeat a course in which they earned a failing grade, and fail the course again, will have the most recent failing grade included in the GPA.

A student may enroll in the same course for a third time (second repeat) only under extraordinary circumstances and with permission of the dean of their major. Students seeking permission for a third enrollment shall first meet with an academic or college advisor to review why they have not previously been successful in the course, and to assess whether the student is in an appropriate major.

For GPA calculation, a grade of “S,” “CR,” “NC” or “P” will not replace a grade of any “C,” “D,” “FN,” “F” or “FX” (earned in normal grading) grades. A “P” will replace an “F” only when the “F” was earned under the Pass-Fail option. An “S” will replace a “U” or “UN” when earned under the Satisfactory-Unsatisfactory grading option.

*Some professional programs (e.g. Nursing and Occupational Science) have licensure, regulation, and accreditation requirements

with restrictive time limitations for applying a course toward a degree. In those programs the best grade for a course may be excluded because it is outside the required time frame. Students should speak with a major advisor or refer to the relevant portion of this catalog to determine if such time restriction apply to any required course for their major.

***Some courses may not allow the best grade to stand if the student has been required to repeat a corequisite lecture, clinical, or lab experience. In those situations it is the most recent grade earned from both co-requisite courses that will be used to calculate the term and institutional GPA. Courses with these requirements will be identified as such in individual course descriptions found in the back of this catalog.*

Satisfactory-Unsatisfactory (“S” - “U”) Grading System:

Some courses are approved to be taught exclusively on a “Satisfactory” (“S”) or “Unsatisfactory” (“U”) basis. Each student enrolled in the class will receive either a grade of “S” or “U.” Hours passed under the Satisfactory-Unsatisfactory option will not be used in the computation of GPA’s; however, hours failed (“U”) will be used.

NON-TRADITIONAL ACADEMIC CREDIT

Students who have educational experiences other than university instruction may attempt to earn academic credit through the following learning assessment mechanisms.

A. ACE CREDIT

Based upon recommendation of the American Council on Education (ACE), EKU will award credit to individuals who have completed certain non-university experiences, such as workplace or military training. Work evaluated on an ACE transcript as Lower Division will be recorded as 100- or 200-level only. Work evaluated on an ACE transcript as Upper Division will be recorded as 300-level credit. EKU will not award credit from an ACE transcript unless the work has been evaluated as Lower Division or Upper Division. Students can petition for specific course credit by first contacting the Student Outreach & Transition Office at <http://soto.eku.edu/> but must have a copy of their ACE transcript sent to the Registrar’s Office, Whitlock CPO 58, 521 Lancaster Avenue, Richmond, KY 40475-3158.

B. CREDIT-BY-EXAMINATION

1. Credit-by-examination is credit given through documentation and evaluation of learning, knowledge, or skills-based experience.
2. Following are the conditions which apply to receiving credit-by-examination:
 - a. Only admitted and active degree seeking EKU students may have credit-by-examination recorded onto an EKU Transcript.
 - b. Academic credit earned by external examinations and challenge tests (such as AP, IB, Cambridge, CLEP®, DANTES, and KOSSA) shall not be considered as credit earned at EKU and will not apply toward the residency credit requirement for an associate or baccalaureate degree.
 - c. Credit-by-examination earned at a prior institution and submitted to EKU for review will be considered for academic credit.
 - d. Credit awarded through credit-by-examination which is general in nature, not course-specific, has no inherent guarantee of meeting specific EKU degree requirements, since these are program and college specific decisions.

- e. Credit earned by examination is recorded as “CR” and is not assigned a letter grade; it has no effect upon the overall GPA.
 - f. Proficiency examination credit recorded on an official transcript is eligible for transfer to EKU if it is from a nationally-recognized standardized test, earned at a college or university from which EKU accepts transfer credit, or earned at an EKU-recognized testing site.
 - g. English writing, reading, or mathematics placement testing proficiency examinations completed at other SACS-accredited Kentucky universities or colleges may be reviewed for remediation of developmental education or college readiness requirements; these must be sent from the testing center of the previous institution to Academic Testing, 521 Lancaster Avenue, Whitlock CPO 64, Richmond, KY 40475, or emailed to testing@eku.edu.
 - h. Departmental or institution specific challenge tests presented on the official transcript of an institution from which EKU accepts transfer credit may be accepted in transfer - upon the review and approval of the academic department most closely related to the subject matter.
 - i. A student may attempt to earn credit-by-examination in a course only once in a six-month period.
 - j. A student will not receive academic credit for a course-specific College Level Examination Program (CLEP®) or departmental examination in an area in which advanced course work has already been completed, and EKU credit recorded.
 - k. EKU students attempting a foreign language CLEP exam at the 100-299 level in their native tongue will not have academic credit awarded by EKU.
 - l. Special fees are assessed for credit-by-examination and must be paid prior to taking an examination. Refer to the Testing Office website for fee information (www.testing.eku.edu/fees).
 - m. Students seeking to have AP or IB credit recorded on their EKU academic record should have score reports sent to the EKU Office of Academic Testing before they have earned their first 30 credit hours at EKU. AP or IB scores submitted for credit will not be given consideration after students have earned 30 credit hours.
3. Eastern Kentucky University credit-by-examination may be earned through any of the following methods:

a) 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 and are administered during the month of May. The chart below indicates the manner in which EKU accepts Advanced Placement Program examinations as credit. The most current updates to the chart below may always be found online at <http://www.testing.eku.edu/advanced-placement-program-app>

Test Score Code	APP Exam	Minimum Score	Credit Hours	Course
APAH	Art History	3	3	ART 200
APAH	Art History	4	3	ART 200
APAH	Art History	5	3	ART 200
APB	Biology	3	3	BIO 100
APB	Biology	4	4	BIO 111
APB	Biology	5	8	BIO 111/112
APMA	Calculus AB	3	4	MAT 234
APMA	Calculus AB	4	4	MAT 234

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APMA	Calculus AB	5	4	MAT 234
APMB	Calculus BC	3	4	MAT 234
APMB	Calculus BC	4	8	MAT 234, 244
APMB	Calculus BC	5	8	MAT 234, 244
APMB	Calculus BC - the AB Subscore	3	4	MAT 234
APMB	Calculus BC - the AB Subscore	4	4	MAT 234
APMB	Calculus	5	5	MAT 234
APC	Chemistry	3	4	CHE 101/101L
APC	Chemistry	4	4	CHE 111/111L
APC	Chemistry	5	8	CHE 111/111L, CHE 112/112L
APCH	Chinese Language and Culture	3	6	FLS 101, 102
APCH	Chinese Language and Culture	4	6	FLS 101, 102
APCH	Chinese Language and Culture	5	6	FLS 101, 102
APCA	Computer Science A	3	3	INF 104
APCA	Computer Science A	4	3	INF 104
APCA	Computer Science A	5	3	INF 104
APCP	Computer Science Principles	3	TBD	Updates: http://testing.eku.edu/advanced-placement-program-app
APCP	Computer Science Principles	4	TBD	Updates: http://testing.eku.edu/advanced-placement-program-app
APCP	Computer Science Principles	5	TBD	Updates: http://testing.eku.edu/advanced-placement-program-app
APME	Economics: Macro	3	3	ECO 231
APME	Economics: Macro	4	3	ECO 231
APME	Economics: Macro	5	3	ECO 231
APMC	Economics: Micro	3	3	ECO 230
APMC	Economics: Micro	4	3	ECO 230
APMC	Economics: Micro	5	3	ECO 230
APEC	English Language and Composition	5	6	ENG 101, 102
APEC	English Language and Composition	3	3	ENG 101
APEC	English Language and Composition	4	6	ENG 101, 102
APEC	English Language and Composition	5	6	ENG 101, 102
APEL	English Literature and Composition	3	3	ENG 101
APEL	English Literature and Composition	4	6	ENG 101, 102
APEL	English Literature and Composition	5	6	ENG 101, 102
APES	Environmental Science	3	3	GEO 110

APES	Environmental Science	4	3	GEO 110
APES	Environmental Science	5	3	GEO 110
APEH	European History	3	6	HIS 100, 101
APEH	European History	4	6	HIS 100, 101
APEH	European History	5	6	HIS 100, 101
APF	French Language and Culture	3	9	FRE 101, 102, 201
APF	French Language and Culture	4	12	FRE 101, 102, 201, 202
APF	French Language and Culture	5	15	FRE 101, 102, 201, 202, 204
APG	German Language and Culture	3	9	GER 101, 102, 201
APG	German Language and Culture	4	12	GER 101, 102, 201, 202
APG	German Language and Culture	5	12	GER 101, 102, 201, 202
APGC	Government and Politics: Comparative	3	3	POL 212
APGC	Government and Politics: Comparative	4	3	POL 212
APGC	Government and Politics: Comparative	5	3	POL 212
APGP	Government and Politics: United States	3	3	POL 101
APGP	Government and Politics: United States	4	3	POL 101
APGP	Government and Politics: United States	5	3	POL 101
APHG	Human Geography	3	3	GEO 220
APHG	Human Geography	4	3	GEO 220
APHG	Human Geography	5	3	GEO 220
API	Italian Language and Culture	3	6	FLS 101, 102
API	Italian Language and Culture	4	12	FLS 101, 102, 201, 202
API	Italian Language and Culture	5	12	FLS 101, 102, 201, 202
APJL	Japanese Language and Culture	3	9	JPN 101, 102, 201
APJL	Japanese Language and Culture	4	12	JPN 101, 102, 201, 202
APJL	Japanese Language and Culture	5	12	JPN 101, 102, 201, 202
APL	Latin	3	6	LAT 101, 102
APL	Latin	4	6	LAT 101, 102
APL	Latin	5	6	LAT 101, 102
APMT	Music Theory	3	3	MUS 181
APMT	Music Theory	4	6	MUS 181, 182
APMT	Music Theory	5	6	MUS 181, 182
APP1	Physics 1: Algebra Based	3	3	PHY 101
APP1	Physics 1: Algebra Based	4	3	PHY 101
APP1	Physics 1: Algebra Based	5	5	PHY 131
APP2	Physics 2: Algebra Based	3	3	PHY 101

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APP2	Physics 2: Algebra Based	4	3	PHY 101
APP2	Physics 2: Algebra Based	5	5	PHY 132
APPE	Physics C: Electricity and Magnetism	3	3	PHY 101
APPE	Physics C: Electricity and Magnetism	4	5	PHY 201
APPE	Physics C: Electricity and Magnetism	5	5	PHY 201
APPM	Physics C: Mechanics	3	3	PHY 101
APPM	Physics C: Mechanics	4	5	PHY 201
APPM	Physics C: Mechanics	5	5	PHY 201
APPY	Psychology	3	3	PSY 200
APPY	Psychology	4	3	PSY 200
APPY	Psychology	5	3	PSY 200
APR	Research	3	3	ENG 102 or English elective at 200 level if credit for ENG 102 exists
APR	Research	4	3	ENG 102 or English elective at 200 level if credit for ENG 102 exists
APR	Research	5	3	ENG 102 or English elective at 200 level if credit for ENG 102 exists
APCS	Seminar Capstone	3	6	Elective
APCS	Seminar Capstone	4	6	Elective
APCS	Seminar Capstone	5	6	Elective
APS	Spanish Language and Culture	3	9	SPA 101, 102, 201
APS	Spanish Language and Culture	4	12	SPA 101, 102, 201, 202
APS	Spanish Language and Culture	5	15	SPA 101, 102, 201, 201, 206
APSL	Spanish Literature and Culture	3	3	SPA 310
APSL	Spanish Literature and Culture	4	3	SPA 310
APSL	Spanish Literature and Culture	5	3	SPA 310
APMS	Statistics	3	3	STA 215
APMS	Statistics	4	3	STA 270
APMS	Statistics	5	3	STA 270
APD	Studio Art: Drawing	3	3	ART 100
APD	Studio Art: Drawing	4	3	ART 100
APD	Studio Art: Drawing	5	3	ART 100
APDA	Studio Art: 2-D Design	3	3	ART 152
APDA	Studio Art: 2-D Design	4	3	ART 152
APDA	Studio Art: 2-D Design	5	3	ART 152
APDB	Studio Art: 3-D Design	3	3	ART 153
APDB	Studio Art: 3-D Design	4	3	ART 153
APDB	Studio Art: 3-D Design	5	3	ART 153

APH	United States History	3	6	HIS 102, 103
APH	United States History	4	6	HIS 102, 103
APH	United States History	5	6	HIS 102, 103
APWH	World History	3	6	HIS 100, 101
APWH	World History	4	6	HIS 100, 101
APWH	World History	5	6	HIS 100, 101

b) Cambridge International Examinations (CIE) - AS & A Level Exams:

EKU recognizes the rigorous pre-college courses administered through the Cambridge Advanced International Certificate of Education (AICE) Diploma program, and awards academic credit to admitted active EKU students, per the following table of CIE AS-level & A-level subject groups and scores. An official certifying AICE transcript is required. For more details on CIE exams, please refer to www.testing.eku.edu.

Following recommendations of professional international accreditor evaluations, EKU awards 3-4 credit hours for AS-level exams with a grade of C or above, and 6-8 semester hours of EKU credit may be given for scores of C or above on any A-Level exam. CIE Subject Group AS & A-Level (Note that credit may be considered for other subject tests by contacting the Testing Office).

c) College Level Examination Program (CLEP®):

CLEP exams are standardized tests created to assess college-level knowledge in standard academic subject areas. They recognize a student's comprehensive subject knowledge and provide a mechanism for earning college credit without taking college classes. The Office of Academic Testing administers CLEP® exams for currently enrolled EKU students. In order to receive credit, a student must complete the Credit-by-Examination form available from the Office of Academic Testing, Whitlock, Room 340 or online at <http://testing.eku.edu/clep>. No credit will be given for exams without equivalent courses at EKU.

For additional information on the CLEP exam, including fees, please contact EKU Academic Testing by phone at 859-622-1281, by email at academic.testing@eku.edu, by reviewing the EKU CLEP webpage at <http://testing.eku.edu/clep>, or by visiting the office in Whitlock Building, Room 340.

Eastern Kentucky University recognizes and awards academic credit to admitted, active EKU students per the following table of CLEP examination scores.

CLEP® Test	Min. Score	Credit Hrs.	Equivalent EKU Course(s)
American Government	50	3	POL 101
American Literature	50	3	ENG 350 or 351
Analyzing and Interpreting Literature	50	3	ENG 210
Biology	50	4	BIO 111
Calculus	50	4	MAT 234
Chemistry	50	4	CHE 111 /111L
College Algebra	50	3	MAT 112 or 114
Precalculus	50	5	MAT 122
College Mathematics	50	3	MAT 105
College Composition (with essay)	50	3	ENG 101
College Composition Modular (without essay)	No credit given.		
English Literature	50	3	ENG 352 or 353
Financial Accounting	50	3	ACC 201

French Language	50	6	FRE 101 and 102
German Language	50	6	GER 101 and 102
History of the United States I	50	3	HIS 102
History of the United States II	50	3	HIS 103
Human Growth and Development	50	3	PSY 280
Humanities	50	3	HUM 124
Information Systems (Plus departmental exam)	50 (plus passing score on dept. exam)	3	CIS 212
Introduction to Educational Psychology	No credit given.		
Introductory Business Law	50	3	GBU 204
Introductory Psychology	50	3	PSY 200
Introductory Sociology	50	3	SOC 131
Natural Sciences	50	3	GEO 110
Principles of Macroeconomics	50	3	ECO 231
Principles of Management	50	3	MGT 300
Principles of Marketing	50	3	MKT 300
Principles of Microeconomics	50	3	ECO 230
Social Sciences and History	50	3	GSD Elective
Spanish Language	50	6	SPA 101 and 102
Western Civilization I	50	3	HIS 100
Western Civilization II 1648-present	50	3	HIS 101

d) Defense Activity for Non-Traditional Educational Support, DANTES Standardized Subject Test (DANTES DSST) Exams:

EKU allows credit-by-examination for some course work through DSST testing. DSST exams allow military personnel to begin or further their college careers while in the service, whether they are deployed or located on a military base. The EKU Office of Academic Testing works with academic departments to determine academic credit for new and expanded DSST exams.

A complete list of DSST exams may be found online at http://getcollegecredit.com/assets/pdf/DSST_Exam_List.pdf. As DSST exam reports are received, they will be submitted to the appropriate academic department for course credit review. Updates on EKU DSST credit may always be found online at: <http://testing.eku.edu/veterans>

Students should request that their official DANTES score report be sent to EKU Academic Testing, Whitlock CPO 64, 521 Lancaster Avenue, Richmond, KY 40475. Additional information about DANTES examinations, including information on processing fees, is available at www.testing.eku.edu.

Eastern Kentucky University recognizes and awards academic credit to admitted, active EKU students per the following table of DSST examination

DANTES Exam Title	Course Equivalent & Hours Awarded	Minimum Score Needed
Updates on EKU course credit awarded for DSST exams may be found at http://testing.eku.edu/veterans		

e) 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. Enrolled Eastern Kentucky University students interested in attempting to earn credit through departmental examinations should contact the Office of Academic Testing, Whitlock 340. Please note: EKU does not accept transfer credit for coursework earned via departmental proficiency exams completed at other postsecondary Institutions. Information on available departmental challenge exams, fees, and procedures for registering may be found at www.testing.eku.edu.

f) International Baccalaureate (IB) Credit:

Created in 1968, the International Baccalaureate Organization's Diploma Programme is a demanding pre-university course of study 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, or <http://testing.eku.edu/international-baccalaureate-organizations-diploma-ib>. IB credit is awarded by earning the required score in a specific subject area. To receive credit a 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. Rather than a letter grade, a designation of CR (credit) will be assigned to credit awarded through the IB program; the GPA will not be affected. Eastern Kentucky University awards credit for IB course work in the following manner:

IB Subject Level		Minimum Score	Credit Hours	Course
Biology	SL	5	3	BIO 100
Biology	HL	4	4	BIO 121
Chemistry	SL	5	4	CHE 101
Chemistry	HL	4	4	CHE 111,111L
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 110 or GEO 220
German	SL	5	6	GER 101,102
German	HL	4	12	GER 101, 102, 201, 202
History	SL	4	6	HIS 102, 103
History	HL	4	6	HIS 100, 101
Information Technology	SL	4	3	INF 104, CIS 212
Math Studies	SL	5	3	MAT 105
Math Methods	SL	5	3	MAT 112 or 114
Mathematics	HL	5	4	MAT 234
Physics	SL/HL	5	3	PHY 101
Psychology	SL/HL	4	3	PSY 200
Anthropology	SL/HL	4	3	ANT 120
Spanish	SL	5	6	SPA 101, 102
Spanish	HL	5	12	SPA 101, 102, 201, 202

C. CREDIT FOR PRIOR LEARNING

1. Belief that college-level learning can occur outside of the university/faculty interactions has been firmly established within higher education.
2. Workplace, community, volunteer activities, and military training can supplement and augment a student's preparation for EKU academic courses and provide a valuable lead into the adult student's program of study.
3. Portfolio assessment, co-op credit, nationally standardized

exams (e.g. College Level Examination Program (CLEP), DANTES Subject Standardized Tests), ACE evaluation, and departmental challenge exams can target specific EKU courses where adult learners can demonstrate course subject mastery and gain academic credit for prior learning experiences.

D. CREDIT FOR PRIOR LEARNING THROUGH PORTFOLIO ASSESSMENT

1. Belief that college-level learning can occur outside of the university/faculty interactions has been firmly established within higher education.
2. Workplace, community, volunteer activities, and military training can supplement and augment a student's preparation for EKU academic courses and provide a valuable lead into the adult student's program of study.
3. Portfolio assessment can target specific EKU courses where adult learners can demonstrate course subject mastery and gain academic credit for prior learning experiences.

To create a portfolio, students align their acquired knowledge and skills with specific student learning outcomes, as stated on a course syllabus. Students complete a course, CAEL 100, to learn how to document their learning of required outcomes. Students who successfully complete CAEL 100 earn 3 hours of EKU academic credit which will apply toward free electives. After completion of CAEL 100, students may submit further portfolios to earn additional academic credit. Faculty members evaluate the student's portfolio and determine whether or not the student has offered sufficient evidence that the learning outcomes have been met for a specified course. If the portfolio is evaluated as acceptable, students earn additional credits for the course on which they based their portfolio. Credit earned based upon a portfolio is recorded as transfer credit with a grade of "CR" applied.

Students may learn about EKU's portfolio process at (<http://finish.eku.edu/>)

E. MILITARY CREDITS

EKU will award credit to individuals who have successfully completed military service school courses, as well as award credit for Military Occupational Specialties (MOS), based upon recommendation of the American Council on Education (ACE). To receive academic credit at EKU, military credits must be evaluated by ACE with a lower level or upper level college equivalency.

Students may receive Military Science and Leadership course credit for having completed Basic Training (BT) and Advanced Individual Training (AIT). A copy of the military transcripts or DD Form-214 (Discharge Verification Certificate) must be submitted to the University through the EKU Veterans Center.

Students also must have an official copy of their ACE transcript sent from their respective service education centers to the EKU Office of Academic Testing, Whitlock CPO 64, 521 Lancaster Avenue, Richmond, KY 40475.

Army, Navy, USMC, and Coast Guard Veterans can order transcripts online at: <https://jst.doded.mil/official.html>

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

PRE-PROFESSIONAL PROGRAMS

EKU has a number of programs that will help prepare students for professional schools following graduation. These schools generally do not require a specific major, provided that their prerequisite courses are taken. All professional schools are highly competitive in their admissions process. Thus, students should aim for strong GPA and professional school admission test scores. Students are encouraged to seek a major that they feel comfortable with, that they have a strong aptitude for, that is interesting and challenging, and that provides additional career options. Students should contact the Center for Pre-Professional Advising as early as possible after enrolling at EKU. The Pre-Professional Advisor will assist the pre-professional student with selecting a major and provide information and advice regarding professional school admissions and requirements.

Descriptions of the following pre-professional programs may be found on the pages noted:

Pre-Dentistry	89
Pre-Law	88
Pre-Medical Science	88
Pre-Optometry	89
Pre-Pharmacy	88
Pre-Veterinary	89

Transfer-Back 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 EKU. 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.

STUDY ABROAD CREDIT

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 EKU 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

EKU students must take at the foreign institution to complete their EKU 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 Education Abroad Office, and that office shall also maintain a file of EKU students who are attending foreign exchange institutions under dual degree agreements. The Office of International Student and Scholar Services will maintain a file of international students who are attending EKU under dual degree agreements.

STUDY ABROAD PROGRAMS

Eastern encourages all students to take advantage of study abroad opportunities. All EKU students planning to participate in a study abroad experience should complete the Course Pre-Approval Form. This form must be completed and endorsed by the EKU Education Abroad Office (Keith 129) before the student is approved to participate in a study abroad program. Students have several options for study abroad at EKU, varying in place, field of study, duration of stay, and cost.

Summer, Spring break, Winter break, full semester, or academic year options are available through EKU's many study abroad providers, including the Cooperative Center for Study Abroad (CCSA), the Kentucky Institute for International Studies (KIIS), The Knowledge Exchange Institute (KEI), AIFS Study Abroad, University Studies Abroad Consortium (USAC), SOL Education Abroad (SOL), CISabroad (CIS), as well as any number of EKU faculty-led programs that are created yearly. In addition, EKU has multiple exchange partners worldwide. Students should visit <http://studyabroad.eku.edu/> for more information.

TRANSFER STUDENT INFORMATION

CREDITS ACCEPTED IN TRANSFER

Eastern Kentucky University accepts credits transferred from regionally accredited postsecondary institutions, credits earned by examination from nationally recognized tests that meet EKU standards, and it awards credits for certain types of military experiences. Additionally, EKU will award credit for non-collegiate training experiences provided the training occurred under a University approved articulation agreement.

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 (e.g. 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.

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, and revised in 2011, is called the General Education Transfer Agreement and allows for the automatic transfer of a block of courses to satisfy general education degree requirements, in addition to articulating individual courses as meeting statewide general education categories.

General Education Certification for Students Transferring to EKU from a Kentucky Public Institution:

Students transferring to EKU 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. EKU will honor any of these designations and is guaranteed to apply the KY public school transferred general education courses into EKU's General Education curriculum in a manner that best serves the transferring student.

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 EKU.

General Education Certified. Students who have completed a 48-hour general education program at a Kentucky Community and Technical College and School (KCTCS) will be general education certified in general education as required by the CPE General Education Transfer Agreement. Students who have earned an Associate of Science or Associate of Arts degree from a Kentucky public institution are also considered to be general education certified. Students, however, are subject to any specified general education courses required by the major and, in all cases, are required to complete the minimum number of credit hours

established by the University to earn a degree.

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 EKU will accept. Students who transfer to EKU without a certified transfer module will have their course work at their previous institution evaluated by EKU on a course-by-course basis for general education equivalency.

The General Education Transfer Agreement also applies to students transferring from EKU to another Kentucky public university. For additional details regarding this agreement please refer to the EKU Student Outreach & Transfer Office (SOTO) (<http://soto.eku.edu/transferstudents>) or the CPE website (<http://www.cpe.ky.gov/policies/academicinit/Transfer/>)

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

TRANSFERRING GENERAL EDUCATION COURSES FROM A PRIVATE OR OUT-OF-STATE SCHOOL

EKU will honor transfer general education courses from regionally accredited out-of-state or Kentucky private colleges and universities. Students may bring in documentation (school catalog listings of courses with relevant general education designations) to the EKU Registrar's Office. The transfer general education courses will then be applied toward the student's EKU general education requirements where needed and as appropriate.

TRANSFER CREDIT EVALUATION PROCESS

When an acceptable transfer course, which has never been evaluated before, is presented to EKU for consideration, EKU records the course as acceptable for credit but unevaluated. The Transfer Center contacts the student and requests course descriptions and syllabus information for review. The Transfer Center forwards the course description to the appropriate academic department for their review and consideration. The academic department determines whether an exact equivalency, a subject/discipline elective, or a generic free elective is appropriate depending on course content and learning objectives. In some instances the department will request that the student provide a syllabus in order to evaluate the course. The academic department or Transfer Center can recommend that a course be considered for general education applicability even if an exact equivalency is not awarded. Students wishing to appeal the evaluation of transfer credit should consult with the Student Outreach and Transition Office.

TRANSFER CREDITS/COURSES

Currently enrolled students who desire to take courses elsewhere and transfer them back to Eastern Kentucky University should consult with the EKU Transfer Center and also obtain the approval of their college dean prior to enrolling. The University will not take responsibility for courses transferred without prior approval. Students should be aware that there are limits to the

number of credit hours a student may earn in any one term (see Academic Load, page 50).

Eastern Kentucky University accepts credit in transfer from other institutions with regional accreditation status. EKU also participates in and subscribes to the principles of the Kentucky Council on Postsecondary Education statewide transfer agreements. EKU accepts credits transferred from all public institutions in Kentucky accredited by SACS, or similar regional accreditation bodies, and will apply them to the 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. Lower division courses taken at a community or junior college are accepted in transfer as the coursework is evaluated by the EKU content expert.

Eastern Kentucky University will also award credit to students for non-collegiate sponsored instruction and training programs provided an articulation agreement exists between the University and the institutions or organizations providing the instruction. Articulation agreements must be officially approved according to the University policy for such agreements and must be signed by both EKU and the collaborating institutions/organizations. A copy of the signed agreements must be on file in the Office of the Senior Vice President for Academics and Provost (original), the Office of the Registrar, and the Dean's office of the College which initiated the agreement. Articulation agreements must be in place prior to the non-collegiate instruction or training in order for credit to be considered. In all instances, consideration will only be given to those courses/training programs whose content provides competencies equivalent or comparable to courses and educational experiences offered by EKU.

Credit and grades earned in transfer are posted to the student's EKU transcript. Students with transfer credit should note that they must successfully complete all their curriculum requirements as well as earn an institutional (EKU) GPA of 2.0 in order to graduate with a degree or University certificate from EKU.

Degree-seeking transfer students who have already attained a post-secondary or graduate-level degree will have that earned degree noted in their EKU academic record.

Details of the academic work counting toward a degree earned at another institution will not be posted, course by course, onto the EKU transcript; only the earned degree is recorded from the official transfer school transcript.

INTERNATIONAL STUDENT TRANSFER CREDIT PRE-APPROVAL

It is an institutional expectation that once international students are admitted into EKU they are expected to complete their program of study using credit earned only at EKU.

Each EKU international student may submit official transcripts and have recorded in transfer all previously earned appropriate credit from other institutions of higher education, at the time the student is admitted into EKU. After initial admission into EKU an international student, who subsequently wishes to enroll at another institution, for the purpose of earning additional transfer credit, must have prior approval from EKU before accumulating additional transfer coursework.

The Registrar will not record onto an existing international student's EKU academic record any transfer credit for which the student has not secured prior approval. This prior-approval form serves to notify the College of the student's major and the Office of International Student and Scholar Services of the international student's intention to enroll at another institution, and to establish

the applicability of the anticipated transfer credit toward the student's major – before the student enrolls at the non-EKU institution.

A maximum of 21 credit hours may be earned by any EKU student, (through any means), in any fall or spring term; dean's approval (secured on a different form) is required for a student to enroll in 19 through 21 credit hours. During the summer 15 credit hours is the absolute maximum an EKU student may earn; dean's approval (secured on a different form) is required to enroll in 13 through 15 credit hours.

EXPLORATORY STUDENTS

If students are academically exploring and are not ready to declare a major, they will be enrolled as an exploratory 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 register for their 45th 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.

WITHDRAWAL

WITHDRAWING AND FINANCIAL AID

Federal Financial Aid regulations require students to earn credit from classes funded by financial aid. Financial aid regulations do not distinguish between receiving a "W" in a course, or an "F" in a course. In both cases tuition is paid with financial aid funds and in both cases the student did not earn credit.

Students, advisors, and instructors should note therefore that multiple withdraws can impede appropriate progress toward degree and thus negatively impact a student's ability to retain financial aid.

IMPORTANT: Withdrawing from a class may result in the student being responsible for both tuition charges and a late withdrawal fee. Refer to the Colonel's Compass for tuition refund dates. A class with a "W" grade will count as an attempted class for Federal Financial Aid calculations.

WITHDRAWING FROM A CLASS

Students are allowed to withdraw from classes through the 12th week of a full semester. Partial semester classes have pro-rated withdrawal deadlines. See the Colonel's Compass for all withdrawal deadlines. Whether withdrawing from a single class, a few individual classes, or , all withdrawals are executed online through EKUDirect. A student will be assigned a grade of "W" for each withdrawn course, and a "W" will appear on the grade report and transcript.

1. Withdrawal between 2nd Week – 12th Week: A student may officially withdraw from a full-semester course online through EKUDirect from the close of the Schedule Change Period, also called the Add/Drop Period (for full-semester classes the add/drop period is the 1st week of class), through the end of the 4th week of a regular (fall/spring) semester with no withdrawal fee applied.

Beginning with the fifth week of the term, and until the end of

the twelfth week of full-semester classes, students will be assessed a \$50 per credit hour fee after withdrawing from a course (up to a maximum of \$150 for a typical 3 credit hour course).

WARNING: The Add/Drop Period and the withdrawal period for partial-semester classes can be significantly shorter. Always refer to the Colonel's Compass website for all drop and withdrawal deadlines.)

2. Late Withdrawal Petitions: After the withdrawal deadline has passed only students who are the victim of extraordinary circumstances may request a late withdrawal. 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 complete a withdrawal petition form (available from the Registrar's website) 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. For details refer to the Registrar's website (www.registrar.eku.edu).

All course withdrawals approved by the Compassionate Withdrawal Committee will be assessed a \$50 per credit hour fee, to a limit of \$150 per course. The Compassionate Withdrawal Committee is not authorized to consider any appeals of the \$50 per credit hour course withdrawal fee. Only the Office of Student Accounting Services may consider late withdrawal fee appeals.

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

3. Withdrawal Deadlines for Partial Semester and Summer Classes: Specific calendar dates for withdrawal deadlines for partial semester and summer classes are available on the EKU Web site (see Colonel's Compass). The withdrawal deadline for all courses should be printed on course syllabi, are published in the Colonel's Compass, and also may be obtained by contacting the Registrar's Office. Refer to Section 3 of this Catalog for the University's Tuition Refund Policy.

WITHDRAWING FROM THE UNIVERSITY

Eastern Kentucky University (EKU) is strongly committed to supporting students in achieving success in their intellectual and extracurricular endeavors. Students finding it necessary to withdraw from the University may withdraw from all courses online using EKUDirect up to the twelfth week of a full semester. Students are not allowed to withdraw from a course or from the University after the twelfth week of a regular term; after that time students must petition the Compassionate Withdrawal Committee for an official withdrawal. A grade of "W" is assigned for each withdrawn class. Students who leave the University without an official withdrawal are subject to the grade of "F."

Dining Services Refund for Students Withdrawing from the University:

For Colonel Card dollars or meal memberships please refer to the Student Accounting Services refund page: <http://colonelscompass.eku.edu/deadlines-adddrop-refunds>

Housing Refund for Students Withdrawing from the University:

For Housing refunds, please submit a written request to the Director of Housing, Whitlock CPO 51, Eastern Kentucky

University, 521 Lancaster Avenue, Richmond, Kentucky 40475-3151. Housing refunds are only applicable for a limited period of time at the beginning of the semester.

WITHDRAWALS DUE TO EXCEPTIONAL SITUATIONS

When physical or mental illness, or other extraordinary circumstances, intrude upon a student's ability to successfully meet the requirements of his or her course of study, such that the student is unable to avail themselves of standard methods for withdrawing from the University, per the above described timeframe, the student may complete a request for a Medical Withdrawal or a Compassionate Withdrawal.

COMPASSIONATE WITHDRAWAL

[NOTE: Withdrawals do not provide tuition refunds.]

Students who had documented extraordinary circumstances that prevented them from succeeding in a course, or all courses, and were not able to withdraw themselves by the published deadline, may consider petitioning for a Compassionate Withdrawal. An approved Compassionate Withdrawal will replace course grades with "W" grades. No tuition refund is awarded. Students petition the Compassionate Withdrawal Committee through the Registrar's Office.

The deadline for filing a petition for withdrawal under extraordinary circumstances (Compassionate Withdrawal) is the last day of the full semester following the term from which the student is seeking withdrawal. The student must complete a Withdrawal Petition Form and should include *justification and documentation* for the withdrawal. If approved by the committee, the Registrar will assign grades of "W" and will notify relevant instructors.

If the Committee denies the petition, the student has 30 calendar days to appeal the denial, in writing or in person. Any appeal is expected to provide additional pertinent information to the Committee. The decision of the Committee after consideration of the appeal is final.

For forms and more details, refer to the Registrar's website (www.registrar.uky.edu) or email registrar@uky.edu

MEDICAL WITHDRAWAL FROM THE UNIVERSITY

[NOTE: Withdrawals do not provide tuition refunds.]

Voluntary Medical Withdrawal

Students may request a Medical Withdrawal from EKY when serious physical or mental health issues prevent the student from continuing with coursework in the current semester. The severity and duration of the medical problems must be such that it would be unreasonable to expect the student to make up missed class work or to continue as a student during the current term.

Medical Withdrawal is appropriate only when "incompletes" or other arrangements with instructors are not possible. A request for a medical withdrawal can only be considered when the request is to withdraw from all classes in the current semester and will not be granted if final exams have been taken for that semester. This policy does not address withdrawal from individual classes.

Requests for a Medical Withdrawal requires thorough and credible documentation by the appropriate healthcare provider. Details regarding the process and standards for approval are found on the Registrar's website; <http://registrar.uky.edu/withdrawal-information>. The deadline for filing a petition for a Medical Withdrawal is the last day of the term from which the student is

seeking withdrawal.

If the request to take a medical leave of absence is due to physical issues, the appropriate documenting healthcare provider is a licensed medical practitioner with knowledge of the student's past medical history and who is presently working with the student to resolve current physical health issues. The medical practitioner should be the student's primary health care provider at the time of the request for Medical Withdrawal, and should not be a family member. If the medical situation involves emergency hospitalization, documentation from the emergency room physician or hospitalist is required in lieu of the preceding information.

If the request is due to mental health reasons, the appropriate documenting healthcare provider would be a licensed psychiatrist, psychologist or counselor with knowledge of the student's past mental health history and who is presently working with the student to resolve the current mental health problems and should not be a family member. Taking a Medical Withdrawal of at least one full semester away from the University will enhance the likelihood of success upon the student's return.

The student will be obligated to adhere to the requirements for returning from a medical leave (see details on Registrar's website: <http://registrar.uky.edu/withdrawal-information>). The student is expected to provide documentation that the physical or mental health condition has been treated and symptoms that required withdrawal from the University are sufficiently resolved to allow the student to return to the University.

A Medical Withdrawal is designed for academic purposes, not financial purposes; it allows the student the opportunity to protect his/her academic standing with the University by preventing the student from failing all courses for that semester. Providing that the requested withdrawal is approved, tuition charges will be adjusted if applicable and based on the regular, published, refund guidelines for all classes, effective as of the date the completed withdrawal form was received by the Registrar's Office.

For details on the process to request a Medical Withdrawal refer to the Registrar's website at www.registrar.uky.edu.

INVOLUNTARY MEDICAL WITHDRAWAL

Eastern Kentucky University may place a student on an Involuntary Medical Withdrawal for reasons of personal or community safety. The University may require a student to take medical leave of absence, if in the judgment of the Student Assistance & Intervention Team (SAIT), and in coordination with the Director of Student Health Services and/or the Director of the EKY Counseling Center, the student, (a) poses a threat to the lives or safety of himself/herself or other members of the EKY community or (b) has displayed behaviors associated with a medical or mental health condition that seriously interferes with the student's ability to function and/or seriously interferes with the educational pursuits of other members of the EKY community. Detailed information regarding the process for determining the necessity of an Involuntary Medical Withdrawal can be found on the Registrar's website: www.registrar.uky.edu.

MILITARY WITHDRAWALS FROM THE UNIVERSITY

See Military Activation section on page 58.

STOPPING OUT AND RETURNING TO EKU

Students who either *stop out** or officially *withdraw*** and are academically eligible to return to the University, may return to the University without reapplying if they have been gone for 24 or fewer months and have an overall GPA of 2.0 or higher. Students who have stopped out or withdrawn and have a GPA of less than 2.0 must apply for readmission and will be held to EKU readmission criteria (please refer to Requirements for Readmission section of the *Catalog*). All regular registration deadlines apply to stop-out students, and they should contact their last assigned advisor, or department chair of their major, to schedule an advising appointment in preparation for their return to EKU. To register for classes, students can log in to their EKU Direct account. Students with a registration hold must contact the office that applied the hold and have the hold removed before they will be able to register.

Students who stop out or are withdrawn for more than 24 months must be formally readmitted to the University by submitting a readmission application to the Office of Admissions. Refer to Section Two of this Catalog for details regarding readmission. The academic record for withdrawn students must be reactivated before they can once again register for classes.

All students who have attended another college/university since attending Eastern Kentucky University, regardless the length of their absence, must submit college transcripts.

*A student who completes a semester at Eastern Kentucky University but does not return for the following term is considered to have “stopped out.” Students must be on good academic standing to qualify for stop out.

**Students who have received a “W” grade in all classes during a semester are considered to have “withdrawn” from the University.

WRITING INTENSIVE COURSES

Every student seeking a first baccalaureate degree must successfully complete one writing intensive course following completion of General Education Element 1B. Writing intensive courses may be general education courses as well as major or supporting courses. Students who enter the University with a baccalaureate degree from a regionally-accredited university are exempt from the writing-intensive requirement.

Writing-intensive courses are designated with the suffix “W” following the course prefix and number (e.g., HUM 300W). W and non-W versions of the same course (e.g., HUM 300W and HUM 300) are considered equivalent for the purposes of satisfying course requirements for prerequisites, major courses, minor courses, and supporting courses. Credit will not be awarded for W and non-W versions of the same course. A previously-taken non-W version of a course will not be used to satisfy the writing intensive baccalaureate degree requirement.

Writing Intensive Courses Available:

Writing intensive course options are listed on each student’s degree audit report. The writing intensive courses available each semester may be viewed via the online schedule by selecting all courses in the “Subject” box and writing intensive courses in the “Attribute” box.
(See Section 7 of this *Catalog* for complete course descriptions.)

SECTION SIX

ACADEMIC PROGRAMS

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DEGREES AWARDED

Eastern Kentucky University confers the following degrees:

Associate:

Associate of Applied Science (AAS)
 Associate of Arts (AA)
 Associate of Arts in General Studies (AA)
 Associate of Science (AS)
 Associate of Science in Nursing (ASN)
 Associate of Science in Paramedicine (AS)

Baccalaureate:

Bachelor of Arts (BA)
 Bachelor of Business Administration (BBA)
 Bachelor of Fine Arts (BFA)
 Bachelor of Arts in Individualized Studies (BA)
 Bachelor of Music (BM)
 Bachelor of Social Work (BSW)
 Bachelor of Science (BS)
 Bachelor of Science in Nursing (BSN)

Accelerated 3+2 Dual Degree Programs:

Bachelor of Arts (B.A.) and Master of Arts (M.A.) 3+2
 Bachelor of Arts (B.A.) and Master of Public Administration (M.P.A.) 3+2
 Bachelor of Arts (B.A.) and Master of Science (M.S.) 3+2
 Bachelor of Science (B.S.) and Master of Public Health (M.P.H.) 3+2
 Bachelor of Science (B.S.) and Master of Science (M.S.) 3+2

Master:

Master of Arts (MA)
 Master of Arts in Education (MAEd)
 Master of Arts in Teaching (MAT)
 Master of Business Administration (MBA)
 Master of Fine Arts (MFA)
 Master of Music (MM)
 Master of Public Administration (MPA)
 Master of Public Health (MPH)
 Master of Science (MS)
 Master of Science in Nursing (MSN)

Specialist:

Specialist in Education (EdS)
 Specialist in Psychology (PsyS)

Doctoral:

Doctor of Clinical Psychology (PsyD)
 Doctor of Education (EdD)
 Doctor of Nursing Practice (DNP)
 Occupational Therapy Doctorate (OTD)

DEGREE 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*.

MAJORS**DEGREES**

Accounting.....	BBA
Agriculture.....	BS
American Sign Language.....	MA
Animal Studies.....	BS
Anthropology.....	BA
Apparel Design and Merchandising.....	BS
Applied Engineering Management.....	BS, MS
Art.....	BA, BFA
Art, Teaching (See Art B.A.).....	BA
Athletic Training.....	MS
Aviation.....	BS
Biology.....	BS, MS
Broadcasting and Electronic Media.....	BA
Business Administration.....	MBA
Business and Marketing Education/Teaching.....	BS
Career and Technical Education.....	AAS, BS, MS
Chemistry.....	BA, BS, MS
Child and Family Studies.....	BS
Clinical Psychology.....	MS, PsyD
Communication Disorders.....	BS, MAEd
Communication Studies.....	BA
Community Health Education.....	MPH
Computer Information Systems.....	BBA
Computer Science.....	BS
Computer Science, Applied.....	MS
Construction Management.....	BS
Correctional and Juvenile Justice Studies.....	BS, MS
Creative Writing.....	MFA
Criminal Justice.....	BS, MS
Deaf and Hard of Hearing.....	BS
Deaf Studies.....	BS
Dietetics, General.....	BS
Economics.....	BA
Education.....	EdD
Educational Leadership.....	MAEd
Elementary Education (P-5)/Teaching.....	BS, MAEd
Emergency Medical Care.....	BS
English.....	BA, MA, MFA
English/Teaching.....	BA
Environmental Health Science.....	BS, MPH
Family and Consumer Sciences Education.....	BS
Finance.....	BBA
Fire, Arson, and Explosion Investigation.....	BS
Fire Protection Administration.....	BS
Fire, Protection, and Safety Engineering Technology.....	BS
Forensic Science.....	BS
General Business.....	BBA

SECTION SIX - ACADEMIC PROGRAMS

General Psychology	MS
General Studies	AA, BA
Geographic Information Science	BS
Geology	BS
Globalization and International Affairs	BA
Health Services Administration	BS
History	BA, MA
History/Teaching	BA
Homeland Security	BS
Human Services	MA
Industrial Hygiene	MPH
Individualized Studies	BA
Industrial and Organizational Psychology	MS
Instructional Leadership	MAEd
Interpreter Training Program	BS
Leadership and Policy Studies	EdD
Library Science	MAEd
Management	BBA
Marketing	BBA
Master of Arts in Teaching (Elementary, Middle Grade,Secondary)	MAT
Master of Arts in Mathematics	MA
Master of Public Health	MPH
Mathematical Sciences	MS
Mathematics	BS
Mathematics/Teaching	BS
Medical Laboratory Science	BS
Mental Health Counseling	MA
Middle Grade Education (5-9)/Teaching	BS, MAEd
Military Science	Commission
Music	BM, MM
Music	BM
Network Security and Electronics	BS
Nursing	ASN, BSN, MSN, DNP
Occupational Safety	BS
Occupational Science	BS
Occupational Therapy	MS, OTD
Paralegal Studies/Science	AAS, BA
Paramedicine	AS
Philosophy	BA
Physical Education	BS, MS
Physics	BS
Police Studies	AA, BS
Political Science	BA
Psychology	BS, MS, PsyD
Public Administration	MPA
Public Health Nutrition	BS, MPH
Public Health	BS
Public Relations	BA
Recreation and Park Administration	BS, MS
Risk Management and Insurance	BBA, BS
Safety, Security & Emergency Management	MS
School Counseling	MAEd
School Psychology	PsyS
Secondary Education	MAEd
Social Work	BSW
Sociology	BA
Spanish	BA

Spanish/Teaching	BA
Special Education	BS, MAEd
Sport Management	BS
Statistics	BS
Technical Agriculture	AAS
Technology	AAS
Wildlife Management	BS

PRE-PROFESSIONAL INTEREST AREAS

New Students may declare a career interest in one of the following pre-professional areas. Each student is expected to eventually declare a degree program as their first major.

These interest areas will be used to pair the student with the appropriate pre-professional advisor.

- Pre-Dentistry
- Pre-Engineering
- Pre-Medical Sciences
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician Assistant
- Pre-Veterinary Medicine

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.

Actuarial Science
 Aerospace Studies
 African/African-American Studies
 Agriculture
 American Sign Language (ASL) Studies
 Anthropology
 Appalachian Studies
 Apparel Design and Merchandising
 Applied Creative Thinking
 Applied Engineering Management
 Applied Ethics
 Archaeology
 Art History
 Art, Studio
 Asian Studies
 Aviation Administration
 Aviation Flight
 Biology
 Broadcasting and Electronic Media
 Business
 Chemistry
 Chemistry, Teaching
 Child and Family Studies
 Coaching (Non-Teaching)
 Communication Studies
 Community Health Education (Non-Teaching)
 Computer Electronics Technology
 Computer Information Systems
 Computer Science
 Construction Management
 Criminal Justice
 Cybersecurity and Intelligence
 Dance (Non-Teaching)
 Dance Certification, Teaching
 Design and Merchandising
 Dispute Resolution
 Earth Science, Teaching
 Economics
 Emergency Management
 Emergency Medical Care
 English
 English, Teaching
 Entrepreneurship
 Environmental Health Science
 Environmental Sustainability and Stewardship
 Family and Consumer Sciences
 Financial Services
 Fire, Arson, and Explosion Investigation
 Fire Protection Administration
 Foodservice Administration
 Game Content Design
 Geography
 Geology
 Globalization and International Affairs
 History
 Homeland Security
 Horses, Humans and Health
 Horticulture
 Industrial Fire Protection
 Informatics
 International Business
 Land Surveying

Legal Studies
 Managerial Communication
 Mathematical Sciences
 Mathematics
 Mathematics, Teaching
 Military Leadership
 Multimedia News
 Music
 Nutrition
 Occupational Safety
 Office Administration
 Paralegal Studies
 Personal Finance
 Philosophy
 Physical Education/Non-Teaching
 Physics
 Physics, Teaching
 Police Studies
 Political Science
 Psychology
 Public Administration
 Public Relations
 Quality Assurance Technology
 Recreation and Park Administration/Non-Teaching
 Religion
 Risk Management and Insurance
 Security Management
 Social Justice
 Social Welfare
 Sociology
 Soils
 Spanish
 Special Education
 Statistics
 Theatre Arts
 Theatre Arts/Teaching
 Traffic Safety/Non-Teaching
 Veterans Studies
 Visual Media
 Women and Gender Studies

EKU UNDERGRADUATE CERTIFICATES AND PROFESSIONAL CERTIFICATION/ENDORSEMENT PROGRAMS

1. EKU Departmental Level Certificates — These certificates are awarded by the individual academic department, not the University.

- Adventure Recreation and Leadership
- African/African-American Studies
- Appalachian Studies
- Apparel Design and Merchandising
- Asian Studies
- Basic Emergency Medical Technician
- Coaching/Personal Training
- Corporate Communication
- Disaster Management
- Early Childhood Director
- Environmental Public Health
- Environmental Sustainability & Stewardship
- Financial Literacy
- French Conversation and Culture
- German Conversation and Culture
- Global Supply Chain Management
- Health Services Administration
- Horses, Humans and Health
- Infant and Toddler Care and Education
- Japanese Conversation and Culture
- Post Masters Nursing Administration
- Post-Graduate APRN-Psychiatric Mental Health Nurse Practitioner-Family
- Labor and Employment
- Post-Masters Psychiatric Mental Health Nursing Practitioner-Family Certificate
- Productivity, Innovation and Technology
- Public Health
- Sales
- School Safety
- Spanish Conversation and Culture
- Tourism and Event Planning
- Veterans Studies
- Women and Gender Studies

2. EKU University Level Certificates — These certificates are awarded by the University, and students receive a formal certificate produced in the same manner as a degree diploma. Students completing these programs must apply for graduation and are assessed a graduation fee. Students earning only certificates do not receive caps and gowns and do not participate in the commencement ceremony. The university graduation fee partially offsets the production and mailing of diplomas and certificates. The University absorbs cap and gown costs for degree earners. Application deadlines for completing university certificates follow the same time line as degree graduation.

- Accounting*
- Autism Spectrum Disorders
- Correctional Intervention Strategies
- Emergency Management
- Geographic Information Systems
- Homeland Security
- Industrial Fire Protection
- Industrial Hygiene
- Intelligence and Security Operations
- Land Surveying
- Post-Graduate APRN Certificate-Family Nurse Practitioner
- Post-Graduate APRN Certificate-Psychiatric Mental Health Nurse Practitioner
- Paralegal Science*
- Theatre Design and Technology

- Theatre Performance
- Youth Services

3. Professional Certification and Endorsement Preparation Programs

— These are programs of study which do not lead to a degree or to an ECU awarded recognition but instead prepare the student, upon recommendation from ECU, for professional endorsement or certification by the Commonwealth of Kentucky Education Professional Standards Board.

- Agriculture Education Teaching
- Career and Technical Education
- Career and Technical School Principal
- Dance (Minor in Dance Certification - Teaching)
- Driver Education (teaching certification endorsement)
- Public Child Welfare Certification Program
- School Safety Endorsement
- Teaching English as a Second Language (teaching certification endorsement)

*Post-Bacc. Acceptance into this program requires that the student has already earned a baccalaureate degree. For more details, see the relevant department's sections of this *Catalog* or contact the department offering the certificate.

Note: This list may not be all-inclusive. For a comprehensive list of ECU certifications concerning teaching, please see the College of Education.

ONLINE ACADEMIC PROGRAMS**E-CAMPUS LEARNING**

Eastern Kentucky University offers students the opportunity to earn a variety of degrees and/or certificates through ECU Online. These are well established ECU academic programs provided through online interactions, discussion boards, and engaging interactive and multi-media learning methodologies.

While the ECU Online student will have a program coordinator through the academic department offering their desired degree/certificate, ECU's Office of e-Campus Learning serves as the primary contact for admission, financial aid, registration, degree audit, and general advising questions; centralizing all student services crucial to the distance-learning student. More information can be found at www.onlinedegrees@eku.edu.

Online Associate Degree Programs

Associate of Applied Science in Paralegal Studies (For more details, see: www.paralegalonline.eku.edu/eku-online-paralegal-studies-aas)

Associate of Arts in General Studies (For more details, see: www.ekuonline.eku.edu/eku-online-general-studies)

Associate of Arts in Police Studies (For more details, see: www.jsnet.eku.edu/info/law-enforcement-degree.asp)

Associate of Science in Paramedicine

Online Baccalaureate Degree Programs

Bachelor of Arts in General Studies (For more details, see: www.ekuonline.eku.edu/eku-online-general-studies)

Bachelor of Arts in Paralegal Science (For more details, see: www.paralegalonline.eku.edu/eku-online-paralegal-science-ba)

Bachelor of Arts in Political Science

Bachelor of Business Administration Risk Management and Insurance

Bachelor of Science in Child and Family Studies – Child Development Concentration. For more details, see: <http://childandfamilystudiesonlinedegree.eku.edu/child-and-family-studies-child-development-concentration>.

Bachelor of Science in Corrections and Juvenile Justice Studies (For more details, see: www.justice.eku.edu/cj/onlineBS.php)

Bachelor of Science in Emergency Medical Care – Administration Option

Bachelor of Science in Fire, Arson and Explosion Investigation

Bachelor of Science in Fire Protection Administration (For more details, see: www.eku.edu/online-fire-admin-degree)

Bachelor of Science in Fire Protection and Safety Engineering Technology (For more details, see: www.eku.edu/online-fire-protection-engineering-degree)

Bachelor of Science in Homeland Security (For more details, see: www.eku.edu/homeland-security-degree)

Bachelor of Science in Nursing – RN to BSN Concentration (For more details, see: <http://onlinenursingprograms.eku.edu/rn-bsn-online-degree-program>)

Bachelor of Science in Occupational Safety (For more details, see: www.eku.edu/online-occupational-safety-degree)

Bachelor of Science in Police Studies

Bachelor of Science in Psychology (For more details, see: www.jsnet.eku.edu/info/psych.asp)

Bachelor of Social Work

Online Post-Baccalaureate Certificate Program

Post-Baccalaureate Certificate in Paralegal Studies (For more details, see: www.jsnet.eku.edu/info/paralegal.asp)

Online Masters Degree Programs

Master of Arts in Education, Elementary Education

Master of Arts in Education, Gifted Education

Master of Arts in Education, School Media Librarian P-12 (For more details, see: www.education.eku.edu/curriculum/grad.php)

Master of Arts in Education, Instructional Leadership

Master of Arts in Education, Literacy P-12

Master of Arts in Education, Middle Grades Education

Master of Arts in Education, Special Education — Deaf and Hard of Hearing

Master of Arts in Education, Special Education — Interdisciplinary Early Childhood Education

Master of Arts in Education, Special Education — Learning and Behavior Disorders

Master of Arts in Teaching, Elementary Education

Master of Arts in Teaching, Interdisciplinary Early Childhood Education

Master of Arts in Teaching, Middle Grades Education

Master of Arts in Teaching, Professional Core

Master of Arts in Teaching, Secondary Education

Master of Fine Arts in Creative Writing (For more details, see: www.creativewriting.eku.edu)

Master of Science, Construction Management

Master of Science in Industrial/Organizational Psychology

Master of Science in Justice, Policy and Leadership (For more details, see: www.justice.eku.edu/cj/onlineMS.php)

Master of Science in Safety, Security and Emergency Management (For more details, see: www.eku.edu/online-security-management-degree)

Master of Science in Nursing, Nursing Administration. For more details, see: <http://onlinenursingprograms.eku.edu/master-science-nursing-public-health-concentration-education>.

Master of Science in Nursing, Psychiatric Mental Health Nurse Practitioner. For more details, see: <http://onlinenursingprograms.eku.edu/master-science-nursing-psychiatric-mental-health>.

Master of Science in Nursing, Rural Health Family Nurse Practitioner. For more details, see: <http://onlinenursingprograms.eku.edu/master-science-nursing-psychiatric-mental-health>.

Master of Public Administration

For more details on EKU's online graduate programs visit ekuonline.eku.edu/earn-masters-degree-online

Online Post Graduate Certificate Programs

Post-Graduate APRN Certificate-Family Nurse Practitioner

Post-Graduate APRN Certificate-Psychiatric Mental Health Nurse Practitioner

Departmental Post-Masters Nursing Administration Certificate

Departmental Post-Graduate APRN-Psychiatric Mental Health Nurse Practitioner-Family

Online Doctoral Degree Program

Doctor of Nursing Practice (Post-MSN DNP). For more details, see: <http://onlinenursingprograms.eku.edu/doctor-nursing-practice-post-msn-dnp>.

Occupational Therapy Doctorate (OTD). For more details see: <http://onlineoccupationaltherapyprograms.eku.edu/eku-online-doctorate-occupational-therapy>.

STATE AUTHORIZATION RECIPROCITY AGREEMENT (SARA)

Kentucky is a SARA state.

Effective January 30, 2017 Eastern Kentucky University is a State Authorization Reciprocity Agreement (SARA) member. For more information on NC-SARA you may visit <http://nc-sara.org/>. Under the terms of SARA, EKU is operating in all other member states, also known as host states under the terms of SARA.

For more information on the individual states please visit <http://ekuonline.eku.edu/state-authorization-status>.

NOTICE FOR PROGRAMS LEADING TO LICENSURE

EKU cannot confirm whether the course or program meets requirements for professional licensure in the student's state. The student is advised to contact their applicable licensings board(s) to determine whether the program meets requirements for licensure in

the state where the student lives.

A full list of all applicable state board contact information can be found at: <http://ekuonline.eku.edu/state-authorization-status>

Complaint Resolution Processes

a. Complaints against an institution operating under SARA go first through the institution's own procedures for resolution of grievances.

b. Complaints regarding student grades or student conduct violations are governed entirely by institutional policy and the laws of the SARA institution's home state.

c. If a person bringing a complaint is not satisfied with the outcome of the institutional process for handling complaints, the complaint (except for complaints about grades or student conduct violations) may be appealed, within two years of the incident about which the complaint is made, to the SARA portal entity in the home state of the institution against which the complaint has been lodged. That entity shall notify the SARA portal entity for the state in which the student is located of receipt of that appealed complaint. The resolution of the complaint by the institution's home state

SARA portal entity, through its SARA complaint resolution process, will be final, except for complaints that fall under the provisions of (g), below.

d. While the final resolution of the complaint rests with the SARA portal entity in the home state of the institution against which the complaint has been lodged, the portal entity in the complainant's location state may assist as needed. The final disposition of a complaint resolved by the Home State shall be communicated to the portal entity in the state where the student lived at the time of the incident leading to the complaint, if known to the institution's Home State.

e. While final resolution of complaints (for purposes of adjudication of the complaint and enforcement of any resultant remedies or redress) resides in certain cases with institutions (complaints about grades or student conduct violations), or more generally with the relevant institution's home state SARA portal entity (all other complaints), the regional compact(s) administering SARA may consider a disputed complaint as a "case file" if concerns are raised against a participating state with regard to whether that state is abiding by SARA Policies and Standards. The regional compact may review such complaints in determining whether a state under its purview is abiding by the SARA standards. Similarly, a complaint "case file" may also be reviewed by NC-SARA in considering whether a regional compact is ensuring that its member states are abiding by the SARA standards required for their participation in the agreement.

f. SARA portal entities shall report quarterly to NC-SARA the number and disposition of complaints that are not resolved at the institutional level. Such data will create transparency and can be used in determining whether a regional compact is ensuring that its SARA member states and those states' institutions are abiding by the standards required for participation in the agreement.

g. Nothing in SARA Policies and Standards precludes a state from using its laws of general application to pursue action against

an institution that violates those laws.

4.6 Oversight of complaint investigation. Complaints handled under SARA must comply with procedures established in federal rules. Investigation of a SARA-related complaint against an institution requires that a state board, agency or entity outside the institution's immediate management be available to handle complaints that are not resolved within the institution. A system board responsible for more than one separately accredited institution may serve this role under SARA provisions. A board responsible for only one accredited institution, or which lacks enforcement authority over an institution, cannot serve as the SARA external oversight agency for such an institution. In such circumstances, the institution's home-state SARA portal entity may serve that function.

ALABAMA

TEACHER EDUCATION PROGRAMS: Applicants for an Alabama certificate based on reciprocity must meet Alabama's test requirements and submit a valid, renewable professional educator certificate/license issued by another state at the degree level, grade level, and in the teaching field or area of instructional support for which an Alabama certificate is sought and for which an Alabama certificate is sought and for which Alabama issues a certificate. Applicants for Alabama certification in an area of administration must also document at least three years of full-time employment as an administrator in a P-12 school system(s). See www.alsde.edu

NURSING: State approval of a program to offer Alabama licensed nurses opportunities for advanced degrees does not indicate eligibility for approval to practice as an advanced practice nurse in Alabama. Applicants for approval in Alabama are required to meet the Alabama requirements for national certification, graduation from a specific-type program for the advanced practice approval, and completion of the appropriate application. Any program offering a pre-licensure track to Alabama students shall meet the requirements of the Alabama regulations for pre-licensure programs or the graduates may not be eligible to take the licensure examination required by the Alabama Board of Nursing to enter the practice. See www.abn.alabama.gov

OREGON

Online students residing in Oregon are eligible for refunds pursuant OAR 583-030-0035(18) (c): After classes begin for a term, a student who withdraws from a course is eligible for a partial refund through the middle week of the term. Refunds shall be based on unused instructional time and shall be prorated on a weekly basis for schools using a semester, quarter or nontraditional calendar.

*Terms that are 17 weeks in length require a refund through week 9.
Terms that are 10 weeks in length require a refund through week 5
Terms that are 8 weeks in length require a refund through week 4.
Terms that are 5 weeks in length require a refund through week 3.
Terms that are 2 weeks in length require a refund through week 1.*

Partial refunds will occur through the middle week of any given term, and prorated on a weekly basis as stipulated above.

The Office of Academic Affairs

Dr. Deborah Whitehouse, Interim Senior Vice President for Academic Affairs & Provost
Coates 108

(859) 622-8812

Dr. Sherry Robinson, Vice Provost

Coates 111

(859) 622-6515

www.academicaffairs.eku.edu

OFFICE OF THE SENIOR VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

The Senior Vice President for Academic Affairs and Provost serves as the chief academic officer of the University. The Senior Vice President and Provost is responsible to the President for the coordination of all phases of the instructional program and institutional research. In addition, the Senior Vice President for Academic Affairs and Provost 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 is the person responsible for the coordination and development of all academic programs, including the Council on Academic Affairs.

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ACADEMIC READINESS TESTING, AND TUTORING

Ms. Kathy Williams, Director
 Whitlock Building 326
kathy.williams@eku.edu
 (859) 622-2306

The Office of Academic Readiness, Testing, and Tutoring plans, implements and supports programs and services for students transitioning from high school or the workplace to the University, as well as continuing students seeking to improve academic performance and college readiness skills.

Academic Readiness, Testing, and Tutoring encompasses Academic Readiness, Academic Testing, College Readiness, Developmental Education, Tutoring, and summer and fall Eastern Bridge freshman transition programming. The unit provides program coordination, academic improvement, and transition and testing services that support the goals of current and potential students, the University community, and regional partners. Services allow students to demonstrate knowledge for purposes of admission to the University or to programs of study. In addition, programming is intended to build holistic college readiness skills for ongoing academic success and life-long learning. The unit also provides assessment to ensure appropriate course placement to maximize student success and degree completion, and coordinates tutoring efforts across campus.

Academic Readiness, College Readiness, and Developmental Education help students achieve academic success by developing or enhancing skill level proficiencies, and by fostering the holistic development of college success skills. ART&T provides opportunities for academic, social, and college readiness skill development via courses and programs designed to improve essential skills in writing, reading and mathematics; via the coordination and monitoring of University tutoring services and tutor training opportunities; and via high school-to-college transition programs that address the holistic development of new freshmen. Additional information about Academic Readiness, College Readiness, and Developmental Education may be found at www.developmentaleducation.eku.edu.

Academic Testing is responsible for the coordination, administration, and planning of academic assessments that are requested by the University, the educational community, and students. The types of testing provided by the office include national tests, state assessments, and locally developed exams, credit by examination, and non-traditional credit by examination. Special need accommodations are available upon request. Additional information about Academic Testing may be found at www.testing.eku.edu.

Academic Readiness, College Readiness, and Developmental Education courses, programs and services transition students to the University and provide new and continuing students with support for academic success. Programs and services include the developmental-level college readiness courses in English, mathematics, and reading; summer and fall semester Eastern

Bridge high school-to-college transition programs; advising and mentoring for student admitted via Success First initiatives, tutor training, and tutoring coordination. Additional information about these programs and services may be found at <http://transition.eku.edu/academic-readiness-testing-tutoring>

CHAUTAUQUA LECTURE SERIES

Dr. Erik Liddell, Coordinator
McCreary 217
(859) 622-2267

Imagine that none of the following Chautauqua Lecturers had ever visited our campus: Kwame Anthony Appiah, Chuck D, Angela Davis, Richard Dawkins, Michael Eric Dyson, Sylvia Earle, Daniel Ellsberg, The American Spiritual Ensemble, Eric Foner, Robert George, Carol Gilligan, Temple Grandin, Brian Greene, Tyrone Hayes, Deidre McCloskey, Irshad Manji, N. Gregory Mankiw, Eric Metaxas, Richard Muller, R. Carlos Nakai, Martha Nussbaum, Richard Rodriguez, Peter Singer, Ben Sollee, Nadine Strossen, Ron Suskind, Trinh T. Minh-Ha, and Kenji Yoshino. The intellectual life of our campus and community would have been less vibrant. Our program provides campus and community members an opportunity to interact with some of the leading thinkers and activists of our time. As is often the case, these thinkers and activists inform us, engage us, challenge us, infuriate us, move us, and entertain us. With our minds refreshed and our intellectual curiosity renewed, the experience is potentially transformative. At Chautauqua events, members of the audience see how speakers from various professions and disciplines tackle provocative but vital issues. And they are encouraged to do so themselves. They see how it is possible to engage in creative, critical, but civil discourse. And they are encouraged to do the same. Our program aims to address both local concerns and global imperatives, and extend the students' liberal arts education beyond the classroom. By striking a balance between the local and the global, we help serve the students' regional needs. By sharpening their critical and creative thinking skills, expanding their liberal arts education, and adding an international dimension to it, we enhance their chance for success beyond Appalachia. For more information, visit www.chautauqua.eku.edu or contact Chautauqua Lecture Coordinator Dr. Erik Liddell at erik.liddell@eku.edu.

COUNCIL ON ACADEMIC AFFAIRS

Dr. Sherry Robinson, Vice Provost and Council Chair

The Council on Academic Affairs is the major policy-making body for the academic programs of the University. All college curriculum committees report to the Council. Major actions of the Council are reviewed by the Faculty Senate and subsequently presented to the President of the University and the Board of Regents for final approval. Council membership is comprised of the Deans, or their designees; the Registrar; the Chair of the Faculty Senate; the Director of Academic Advising; the Director of the Honors Program; a representative of the Chair of Chairs Association; a faculty representative from the Academic Quality Committee of the Faculty Senate; two student representatives from the Student Government Association; the Vice President of Retention and Graduation (non-voting), and the Director of Admissions (non-voting). The Vice Provost serves as Chair of the Council.

GENERAL EDUCATION

Dr. Garrett Yoder, Coordinator
NSB 3166
(859) 622-1527

The mission of the General Education program is to promote learning that is central to the intellectual pursuits associated with our educational programs and to enable students to make informed choices about matters of public and personal significance in a diverse, democratic society and global community. The general education program helps students to become informed, independent thinkers by developing competencies in communication, quantitative analysis, and critical thinking by helping them understand and appreciate the diversity of culture, individuals, the natural environment, and the global society. See Section Four of this Catalog for detailed information on courses.

GENERAL STUDIES

Dr. Amy Thieme, General Studies Coordinator
Combs 312
(859) 622-1320

BACHELOR OF ARTS (B.A.) GENERAL STUDIES

Cip: 24.0102

The General Studies degree program is designed for adult learners and students intending to complete a baccalaureate degree whose educational objectives are not aligned with a more traditional degree program.

In addition to the baccalaureate degree requirements in Section 5 of this Catalog, the following are required for students seeking a General Studies degree:

1. The B.A. General Studies degree is intended to be a first baccalaureate degree and is not appropriate for a concurrent or secondary baccalaureate degree.
2. Any courses ordinarily accepted for credit by Eastern Kentucky University may be chosen as hours to apply to the 120 hours required for graduation.
3. In order to declare a General Studies major students must have previously earned 60 credits from a regionally accredited institution or two years or more must have lapsed since students earned any college credit.
4. Students pursuing a General Studies degree are not permitted to declare a double major.
5. Students pursuing a General Studies degree are encouraged to declare minors and/or certificates.
6. Students in the General Studies program will graduate from and be considered alumni of a specific college based on either (a) the student's preference (If a student has at least 18 credits in a college, excluding General Education credits, then he/she may request to be affiliated with that college); OR (b) if the student has no preference, then affiliation is based on the college in which the greatest number of credits are earned (excluding General Education credits).
7. The college from which the student graduates will not be included in the degree name. Degree name on diploma will be Bachelor of Arts General Studies.

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education 36 hours**

- **Student Success Seminar** 3 hours
(GSD 101: waived for students who enter EKU with 30+ hrs. of courses ordinarily accepted for transfer credit by Eastern Kentucky University)
- **Writing Intensive Course** (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- **Upper division courses** (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories) At least 6 hrs. must be 400-level or higher.
- **ACCT** – General Studies majors may fulfill ACCT with any of the following options: GSD 399, or 3 credit hours of co-op/applied learning (GSD 349), or a service-learning (S) course, or a college-approved student abroad experience, or HON 420 (Relevant credit hours will be incorporated into program requirements below.)

Total Hours University Graduation Requirement..... 39 hours

GENERAL STUDIES

The General Studies program is intended to establish foundational skills in critical thinking and communication. The program is also intended to allow a student who has completed most of the requirements of a major but has not yet completed the major of an approved program to complete a baccalaureate degree in a timely manner.

MAJOR REQUIREMENTS

ACCT Requirement.....3 hours
GSD 399; Co-op; Service Learning (S) course; or EKU-approved Study Abroad course.

Free Electives..... 78 hours
NOTE: General Studies students are encouraged to earn minors and/or certificates. Advisors will assist students with identifying minors and certificates.

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF ARTS IN INDIVIDUALIZED STUDIES
(B.A.)
INDIVIDUALIZED STUDIES
CIP Code: 24.0102**

Dr. Amy Thieme, Coordinator
Combs 312
(859) 622-1320

The Bachelor of Arts in Individualized Studies (B.A.) Degree 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 seeking admission to the Bachelor of Arts in 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. The student must find a faculty mentor with expertise in the discipline area(s) of the individualized curriculum. The faculty mentor and student together will develop the curriculum plan. The Coordinator will inform the applicant concerning admission status after the student submits an acceptable plan of study which conforms to the program requirements. For more information contact the coordinator.

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education**36 hours

- **Student Success Seminar**.....1-3 hours
(waived for transfers with 30+ hours)
- **Writing Intensive Course** (Hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- **Upper division courses**
(42 hours distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- **ACCT** –
The Individualized Studies majors may fulfill ACCT with any of the following options: HON 420 or another approved undergraduate scholarly or creative activity; 3 credit hours of co-op or applied learning experience; a service-learning course, or a student abroad experience. (Relevant credit hours will be incorporated into program requirements below.)

Total Hours University Graduation Requirement....37-39 hours

MAJOR REQUIREMENTS

An application, with a plan of study conforming to the program requirements listed below, must be approved by the program coordinator before the student may declare this major.

Core Courses.....36 hours

A cohesive plan of study with a minimum of 36 hours in an area of emphasis will constitute the core of the student’s major; 18 of the 36 hours shall be at the upper division level. A maximum of 18 hours from a single academic discipline can be applied to the area of emphasis.

Senior Project:

A senior project is mandatory. The student must enroll in at least 21 hours of coursework (including the senior project), following the approval of their BIS plan of study.

Free Electives.....45-47 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

ASSOCIATE DEGREE

**ASSOCIATE OF ARTS IN GENERAL STUDIES
(A.A.)
GENERAL STUDIES
CIP Code: 24.0102**

The Associate of Arts in General Studies degree provides students, especially adult learners, the opportunity to pursue a flexible degree program to meet their unique interests, career goals, and academic needs. Reflecting EKU’s commitment to a liberal arts education, the degree allows students to concentrate in an area of interest while selecting from a wide variety of courses to meet personal, educational, or career goals. This degree is designed for students for whom this will be their first college degree and who wish to advance in their careers, change careers, pursue a lifelong interest beyond their careers, or use the degree as a pathway to a baccalaureate degree. Students who are admitted as “Special Admittance/Conditional Admittance” (see page 10 of the *Catalog*), will be initially admitted into the Associate of Arts in General Studies degree program.

OPPORTUNITIES

The Associate of Arts in General Studies degree has become more attractive with the growth of business and industry in the

area and with the increase of minimum educational requirements for employment or promotion. In addition to those students wishing to enhance their employability, other students will find the program offers numerous opportunities to seek a degree for their own personal satisfaction. The degree allows students to gain confidence in their abilities by earning a degree at the associate level prior to enrolling in a baccalaureate program. The associate degree also provides opportunities for students who wish to consolidate previously earned credits to complete their first degree. Serving students from a varied background of college readiness, this degree provides students a defined path to success in earning one or more degrees. Upon successful completion of EKU's Associate of Arts in General Studies degree, the student will have met all General Education requirements, which will apply toward a four-year program at EKU or any other regional Kentucky institution.

UNIVERSITY GRADUATION REQUIREMENTS

General Education	36 hours
Standard General Education program (Elements 1-6 inclusive, per Section Four of this Catalog).	
Student Success Seminar (GSD 101; waived for transfers with 24+ hours)	3 hours
Total Hours University Graduation Requirements	39 hours

MAJOR REQUIREMENTS

- *Students should refer to their DegreeWorks audit for General Education course selections.*
- *Students should consult with an advisor to choose an appropriate General Education math course.*
- *AA in General Studies students must earn a institutional GPA of 2.0 on all work earned at EKU, as well as an overall GPA of 2.0 on combined transfer and EKU graded coursework.*
- *AA in General Studies students must complete at least 15 semester hours at EKU.*
- *AA in General Studies students must complete an approved 12-hour emphasis with an overall 2.0 GPA within an individual college beyond the General Education requirement.*

Core Courses.....**12 hours**
Courses are within an individual College and exclusive of general education requirements. *One of the concentrations below may be used to fulfill this requirement*

Optional Departmental Concentration.....**12 hours**
Students may select a concentration of interest (see list below). Students with a declared departmental concentration will be advised by faculty of that department and will be officially affiliated with that department. The Associate of Arts in General Studies concentration will be reflected on the student's transcript.

General Studies Exit Requirement (GSD 250).....**0 hours**

Free Electives

TOTAL HOURS TO COMPLETE DEGREE.....**60 hours**
(Precise degree requirements will vary based upon concentration selected and student's specific orientation course needs.)

The Associate of Arts in General Studies is intended to be a first degree and is not appropriate for a secondary degree. Students who declare the AA in General Studies should pursue that program

as their primary degree and apply for graduation as soon as they approach completion of its requirements. Students seeking only an associate degree may not declare a minor.

OPTIONAL A.A. IN GENERAL STUDIES CONCENTRATIONS

The following concentrations are available in the Associate of Arts in General Studies degree program:

Anthropology Concentration.....**12 hours**
ANT 120, 200, and 201; and one upper-division ANT course (300 or above).

Applied Engineering and Technology Concentration.....**12 hours**
AEM 201, EET 251, GCM 211, and TEC 190.

Broadcasting and Electronic Media Concentration.....**12 hours**
BEM 295(4), six hours from BEM 301 or 353W or 375, and two hours from BEM 349(1) or 398(1), or 491(1), or COM 320I(1).

Computer Networking Systems Concentration.....**12 hours**
NET 302, 303, 354; 3 hrs of NET coursework.

Education Concentration.....**13 hours**
EDF 203, 204, 205 and SED 104.
Students planning to apply for admission to the Teacher Education Program after completing the AGS degree should also enroll in CMS 100 or 210, BIO 102 or PHY 102, and HIS 202.
Students should confer with a College of Education Advisor to determine the required math course for each specific program.

Electricity and Electronics Concentration.....**12 hours**
EET 251, 252, 257, (EET 253 or 351).

English Concentration.....**12 hours**
ENG 301, 302; 6 hrs of other ENG courses. *ENG 210, 211, and 212 may count toward the concentration but will not count toward the B.A. English degree major requirements.*

Geographic Information Systems Concentration.....**12 hours**
GEO 210, 353; 6 hrs from: GEO 351, 455, 456, 501 (with departmental approval), 553, 556 or GLY 408.

Geography Concentration.....**12 hours**
GEO 100, 210, 220; 3 hrs of GEO elective.

Geology Concentration.....**12-14 hours**
Two courses from GLY 102, 107, 108, 109, 172, 302, 303, 304, 305 or GEO 210; plus two courses from GLY 210, 309, 315, 408, 415, GEO 353 or 456.

History Concentration.....**12 hours**
HIS 102 and 103 plus 6 additional hours of HIS courses. Of those 6 additional hours at least 3 must be in a course listed in Area II (Europe) or Area III

(Non-Western). HIS 290 and 450W may not count toward the concentration.

Homeland Security Concentration.....12 hours
HLS 101, 201, 210, 301.

Students planning to later enroll in the B.S. Homeland Security should take as part of their General Education courses BIO 100 or BIO 101 or CHE 101/101L or PHY 101 or PHY 131 (Element 4); EES 250 (Element 1C); STA 215 (Element 2); GEO 210 (Element 4), HIS 203 (Element 5A), and POL 100 or POL 101 (Element 5B), and two consecutive language courses (Element 6).

Informatics Concentration.....12 hours

INF 104 or CIS 212; INF 307, 314, 318. Completion of this concentration also fulfills requirements for the Certificate in Informatics. Students must formally declare their intention to earn the certificate before it can be awarded.

Mathematical Sciences Concentration.....14 hours

MAT 124(4) or 124H(4); MAT 214; STA 270(4); and CSC 160, 177, or 190. A minimum grade of “C” is required of all courses counted toward the concentration.

Military Studies.....12 hours

A total of 12 hours of a combination of: MSL courses, military services (ACE) credit, PHE 190, or PLS 375; at least 3 of the 12 hours must be earned in residence at EKU.

Physics and Engineering Concentration.....14 hours

MAT 124(4); PHY 201(5), 202(5). (Students should note that each has prerequisites.)

Political Science Concentration.....12 hours

POL 100, 101, 212, and 220.

Pre-Business Concentration.....12 hours

ACC 201, 202, GBU 204, and CIS 212 or QMB 200. A minimum grade of “C” is required of all courses counted toward the concentration.

Psychology Concentration.....12 hours

PSY 200 or 200W; PSY 250 or 250W; 6 hrs of PSY courses (excluding PSY 349, 402, and 403). PSY 280 may count toward the concentration but will not count toward the B.S. Psychology degree major requirements. A minimum grade of “C” is required of all courses counted toward the concentration.

Security Operations Concentration.....12 hours

HLS 210, 310, 320, and 350.

Students planning to later enroll in the B.S. Homeland Security should take as part of their General Education courses BIO 100 or BIO 101 or CHE 101/101L or PHY 131 (Element 4); EES 250 (Element 1C); STA 215 (Element 2); GEO 210 (Element 4); HIS 103 (Element 5A), POL 100 or POL 101 (Element 5B), and two consecutive language courses (Element 6).

Sociology Concentration.....12 hours

SOC 131, 232, and 235 and one upper-division SOC course (300 or above). These courses will count toward the B.A. Sociology degree major requirements.

Veterans Studies Concentration.....12 hours

VTS 200 – Introduction to Veterans Studies

VTS Dimensional Electives:

A minimum grade of “C” is required of all courses counted toward the concentration.

Cultural (3 hours):

BEM 460, Advanced Film Genre: Veterans in Film (This special topic only); ENG 374; ENG 386W; or WGS 304.

Institutional (3 hours):

HIS 412; MSL 303; PLS 375, ; POL 320, or POL 415.

Relational – (3 hours): CDF 331; CDF 437; SOC 313;

SWK 440; PSY 308; or PSY 320 (formerly PSY 410).

GRADUATE EDUCATION AND RESEARCH

Dr. Jerry Pogatshnik, Associate Vice President of Research and
Dean of Graduate Education
Whitlock Building 310
(859) 622-1742

The Office of Graduate Education & Research is comprised of the Graduate School, the Division of Sponsored Programs, the Office of Undergraduate Research and Creative Endeavors and the Training Resource Center. The Graduate School is responsible for the administrative oversight of EKU’s master’s specialist and doctoral programs. The Graduate School provides opportunities for undergraduate students to get a head start in obtaining a graduate degree through our concurrent enrollment and 3+2 programs. Interested students are encouraged to contact the Graduate School for more information. Additional information is also posted on the Graduate School website at gradschool.eku.edu

The Division of Sponsored Programs assists EKU faculty and staff in seeking and managing grants, contracts, and other agreements that support EKU’s mission. The Division of Sponsored Programs is also responsible for managing the university’s research compliance programs including review of the use of human subjects or animals in research and responsible conduct of research by faculty, staff and students. Information is available on the Sponsored Programs website at www.research.eku.edu.

The Office of Undergraduate Research and Creative Endeavors provides opportunities for faculty-student mentorships for the purpose of deep learning, professional skill development, and contributing to the worldwide knowledge base. The Office is dedicated to achieving high quality scholarship through high quality mentorship.

The Training Resource Center is an innovative, university-based service collaborative focused on improving organizations and human service systems through partnerships, training, and professional development that enhances quality of life and strengthens communities.

HONORS PROGRAM

Dr. David W. Coleman, Director
University Building 137
(859) 622-2924

The mission of the EKU Honors Program is to provide its students with the best intellectual resources available at the university in order to empower them to attain their highest academic and professional goals. We develop the whole student by way of our interdisciplinary, small classes, our support of student research and travel to regional and national conferences, and our offering of a wide variety of cultural and out-of-classroom experiences.

Regardless of the student's major, the courses taken in the Honors Program will apply to the student's general education and university requirements; participation in the EKU Honors Program should not delay a student's progress to degree. Any honors student who successfully completes the minimum required hours of honors coursework and graduates with an institutional grade point average of at least 3.20 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.

For information about eligibility and admissions to EKU Honors, consult our website (www.honors.eku.edu) or contact us at (859) 622-2924.

EKU Honors Curriculum

Students enter the EKU Honors Program under one of two curriculum tracks. Students entering EKU Honors in the fall of their first year of college will complete the Honors Flex curriculum.

Students entering EKU Honors as a currently enrolled EKU student or as a transfer student are placed in the Current & Transfer curriculum track. This requires 18 hours of Honors coursework, designed to complement the credits the student has already completed.

All Honors Program students will receive an Honors advisor in addition to their major advisor, who will assist students in creating individualized plans as to how they will fulfill their general education, university, and EKU Honors requirements.

EKU Honors Courses

All students entering EKU Honors in their first semester will complete:

HON 100 Succeeding in Honors..... 1 hr.
HON 102 Honors Rhetoric 6 hrs.
HON 103 Honors Communication 3 hrs.

(HON 102 and HON 103 are linked courses and are only taught together; the total classroom contact hours for HON 102 and HON 103 is 6 hours.)

All students in EKU Honors have the option of fulfilling General Education requirements with Honors Seminars. The following list includes Honors Seminars and the General Education elements they fulfill.

HON 304W Honors Seminar in the Quantitative Sciences	3 hrs. (Element 2)
HON 307W Honors Seminar in the Arts	3 hrs. (Element 3A)
HON 308W Honors Seminar in the Humanities	3 hrs. (Element 3B)
HON 310W Honors Seminar in History	3 hrs. (Element 5A)
HON 312W Honors Seminar in the Social and Behavioral Sciences	3 hrs. (Element 5B)
HON 317 Honors Seminar in the Natural Sciences	3 hrs. (Element 4)
HON 320W Honors Seminar in Diversity of Perspectives and Experiences	3 hrs. (Element 6)

To graduate as an Honors Scholar, all students must complete:

HON 420 Thesis Project and Seminar 6 hrs.

GPA Requirements

To remain active and eligible in EKU Honors, students must maintain the following minimum grade point averages:

Students Entering EKU Honors in Fall 2015 and thereafter:

- 3.00 institutional GPA up to 60 completed hours
- 3.20 institutional GPA after 60 completed hours and to graduate as an Honors Scholar

Students Who Entered EKU Honors Prior to Fall 2015:

- 2.50 institutional GPA for 36-71 attempted hours
- 2.75 institutional GPA for 72 or more attempted hours
- 3.00 institutional GPA to graduate as an Honors Scholar

Annual Review of Students, Honors Probation, and Honors Dismissal

At the end of each spring semester, the academic records of all EKU Honors students are reviewed. Students will be notified at their local permanent address listed in the Banner system of the university and at their official EKU student email address if they are placed on Honors Probation or dismissed from EKU Honors.

If it is determined that a student is not making progress toward completing Honors coursework requirements, that student will be dismissed from EKU Honors for being inactive.

Students entering EKU Honors in Fall 2015 and thereafter will be notified and placed on probation if their GPA falls under the following thresholds:

- 3.00 for up to 60 completed hours
- 3.20 after 60 completed hours

Students who entered EKU Honors before Fall 2015 will be notified and placed on probation if their GPA falls under the following thresholds:

- 2.50 for 24 or more hours attempted
- 3.00 for 36 or more hours attempted

Students will be placed on Honors Probation for one semester (not including summer). At the end of the probationary semester, a student's academic record will be reviewed. If the student's GPA does not improve during the probationary semester, the student may be removed from EKU Honors.

Students who are on Honors Probation should not enroll for

more than 15 hours of coursework and should plan to meet with the Honors Program Coordinator to discuss a plan to improve their academic performance.

Exceptions to these eligibility policies may be recommended by the Honors Director but must be approved by the Honors Advisory Committee.

LIBRARIES

Betina Gardner, Dean of Libraries and Chief Information Officer
Library 202A
(859) 622-1778

library.eku.edu [facebook.com/ekulibraries](https://www.facebook.com/ekulibraries) @ekulibraries

Eastern Kentucky University Libraries includes the John Grant Crabbe Main Library, centrally located on University Drive, and two branch locations: the Elizabeth K. Baker Music Library in the Foster Building and the Business Library and Academic Commons in the Business and Technology Complex. ECU Libraries provides help, study spaces, collections, and technology designed around the academic needs of ECU's students. ECU Libraries supports ECU regional campus and online students as well and provides a full range of services equivalent to those offered at the Main Library for these distance learners.

The Main Library offers a variety of study spaces, ranging from a large collaborative area on the first floor to the Silent Study Zone on the very top floor. Noise levels are also monitored on the Quiet fourth floor to ensure plenty of silent space for individual study. In addition to spaces designed for quiet and group study, an outdoor area is available on the Noel Reading Porch, adjacent to the Library Plaza. Refreshments are available in the Java City Library Café or the vending machines on the first floor. To learn more about ECU Libraries' spaces or to make a reservation, visit library.eku.edu/reserve-rooms. The Main Library is open late during the fall and spring semesters and offers 24 hour study space and extended hours at the end of fall and spring.

The Main Library also includes the Learning Resources Center in support of the College of Education; the Law Library; the Noel Studio for Academic Creativity; and Special Collections and Archives. ECU Libraries collects resources to best serve students, faculty, and staff. To search the online catalog and discover the collections of libraries worldwide, visit library.eku.edu; even if ECU Libraries does not own the item you need, library staff can get it for you when you need it.

Technology is available throughout the Main Library and branches. The Main Library includes a large computer lab and computers throughout the building, a color printer, a cloud printer, fax machine, and a 3D printer available for student use. Visit library.eku.edu/technology-showcase to explore the emerging technologies ECU Libraries faculty and staff are currently collecting.

There are many ways to get help from librarians. Virtual reference services are available online or in person and research assistance is available whether you are an online student, located at a regional campus, or taking classes at the Richmond campus. Students are invited to visit one of our Help Desks, call (859) 622-6594, text (859) 903-0848, e-mail reference.library@eku.edu, tweet @ekulibaskus, or chat with us and also check out our frequently asked questions at libanswers.eku.edu.

THE NOEL STUDIO FOR ACADEMIC

CREATIVITY

Dr. Russell Carpenter, Executive Director
Crabbe Library
(859) 622-7403

studio.eku.edu <https://www.facebook.com/noelstudio/> @noelstudio

The Noel Studio for Academic Creativity serves the ECU community as a collaborative, innovative learning experience designed to improve communication and research skills. With integrated programs in teaching and learning, undergraduate research, and applied creative thinking, the Noel Studio is dedicated to the development of effective communication skills and practices across disciplines. This program provides student support for writing, research, and oral communication and faculty development in a central, technologically sophisticated space located in the heart of the Crabbe library. In the Noel Studio, trained consultants offer individual and small-group consultations to students and members of the ECU community seeking to refine specific projects and assist students in enhancing their research and communication skills.

TEACHING AND LEARNING CENTER

Dr. Hal Blythe, Co-Director
Dr. Charlie Sweet, Co-Director
Keen Johnson 2
(859) 622-6519

The Teaching & Learning Center (TLC) serves as the faculty development arm of the Noel Studio by delivering, coordinating, and promoting faculty development at ECU. Online and in person, the TLC provides support for ECU's talented and dedicated professors. Helping ECU's excellent faculty become even better instructors is a central TLC goal. Ultimately, ECU students benefit from the TLC's work, as they experience the enriched learning environments created by ECU's exemplary—and always developing—teaching faculty.

UNDERGRADUATE RESEARCH AND CREATIVE

ENDEAVORS

Dr. Jonathan Gore, Coordinator
Cammack 116
(859) 622-1115

Undergraduate Research and Creative Endeavors is a collaborative program through the Office of Graduate Education and Research and the Noel Studio. URCE coordinates and promotes undergraduate research and creative endeavors at ECU, managing such events as Posters-at-the-Capitol and the University Poster Showcase. In addition, URCE assists faculty in mentoring student research projects, encouraging collaborations, publicizing the ongoing undergraduate research activities of the academic departments, developing grant proposals, and representing ECU at regional and national undergraduate research conferences. URCE also facilitates the publication of an online journal for undergraduate research, *The Kentucky Journal of Undergraduate Scholarship*.

UNIVERSITY DIVERSITY OFFICE

Timothy Forde, Ph.D., MPH
 Vice Provost for Diversity and Chief Diversity Officer
 Jones 407
 (859) 622-6587

The University Diversity Office is responsible for the development, implementation, and evaluation of the Eastern Kentucky University Comprehensive Diversity Plan (EKUCDP). The EKUCDP was ratified by the ECU Board of Regents and is in compliance with the Statewide Diversity Policy. The University Diversity Office collaborates with ECU units in the development of their diversity plans and directs the University Diversity Faculty Recruitment and Retention Incentive Plan/Funds. The Chief Diversity Officer is ECU's liaison to the Council on Postsecondary Education and the Committee for Equal Opportunity in support of the Commonwealth's diversity, desegregation and equal opportunities plans for postsecondary education. The Chief Diversity Officer also co-chairs the ECU University Diversity Committee and Minority Retention Initiative Team.

UNIVERSITY REGISTRAR

Ms. M. Tina Davis, University Registrar
 Whitlock Building 239
 (859) 622-2320

The Office of the Registrar serves and supports students and faculty, as well as the larger campus community. The primary responsibilities of the Registrar include: being custodian of student academic records (ensuring their accuracy and integrity), serving as compliance specialist for federal and state regulations, and protecting overall institutional integrity by upholding the University Catalog with fairness and consistency.

The Registrar's Office also administers the minimum scholastic standards of the University, posts transfer credit, oversees degree audit services, monitors and safeguards academic data integrity and security, determines NCAA student-athlete academic eligibility, coordinates commencement exercises, confirms degree completion, oversees production and delivery of diplomas, creates the schedule of classes and schedules all academic space. The Registrar reports directly to the Senior Vice President for Academics and Provost.

For additional information and a more detailed listing of services, please review the Registrar's Office website at www.registrar.eku.edu. For registration assistance email: registration@eku.edu.

College of Business and Technology

Dr. Thomas L. Erekson, Dean
Business and Technology Center 214
(859) 622-8111

School of Applied Sciences and Technology

School of Business

Dr. William E. Davis, Associate Dean
Business and Technology Center 214
(859) 622-1574

WWW.CBT.EKU.EDU

COLLEGE OF BUSINESS AND TECHNOLOGY

VISION

EKU's College of Business and Technology...The College of Choice:

- Inspiring minds
- Enriching communities
- Creating leaders
- Making a difference

COLLEGE CORE VALUES

- **Integrity**
Morality, ethical behavior, trust, and honesty
- **Respect**
Openness and consideration of ideas, approaches, and thoughts
- **Diversity**
Characterized by equitable opportunities and respect of diverse peoples, ideas, and programs
- **Accountability**
Individual responsibility and responsiveness to the needs of internal and external stakeholders/others
- **Inclusiveness**
Stewardship: of place, of the environment, of the region
- **Excellence**
Intellectual vitality; rejection of mediocrity; a recognized standard of competence and performance as reflected by employability, enrollment demand, continuous improvement, financial support and accreditation

SCHOOL OF APPLIED SCIENCES AND TECHNOLOGY

Dr. William E. Davis, Associate Dean
Business and Technology Center 214
(859) 622-1574

EKU's School of Applied Sciences and Technology is comprised of the Department of Agriculture; the Department of Applied Engineering & Technology; and the Department of Military Science and Leadership (Army ROTC).

DEPARTMENT OF AGRICULTURE

INTERIM CHAIR

DR. WILLIAM E. DAVIS
(859) 622-2228
CARTER 2

Faculty

J. Domenghini, E. Fredrickson, C. Hagan, M. McDermott, B. Pratt, J. Settimi, and A. Sexten

The Department of Agriculture offers Bachelor of Science and Associate of Applied Science degrees in Agriculture. Concentrations in the Agriculture degree program include Agribusiness Management, Pre-Veterinary Medicine, Fruit, Vegetable, Nursery and Greenhouse Production, Animal Sciences, Agriculture Energy Systems Management, Turfgrass and Landscape Management, and Agronomy, Soils and Natural Resources. The Department also offers a joint degree program for Career and Technical Education - Agriculture Education Concentration. Minors are offered in Agriculture and Soil Science. Students may receive the Associate degree and then continue for a Bachelor degree with no loss of credit. Students must obtain a "C" average in Department classes. 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 have ample opportunities to personalize their education. Academic credit can be earned for Cooperative Education. Students may receive up to eight hours of Co-Op credit for the Associate Degree and 12 for the Bachelor of Science Degree. Students can also obtain credit for experiential learning in the Department’s facilities through practicum courses. In addition, students are encouraged to participate in Independent Studies with faculty mentors.

DEPARTMENT GOALS

The Department of Agriculture’s vision is to be the first choice of students interested in addressing issues relating to food, energy and the human environment within a sound economic framework.

The mission of the Department of Agriculture is to provide programs designed to develop leaders, entrepreneurs and educators for the global challenges in which agriculture plays a significant role. Areas of study include Pre-Veterinary Medicine, Agriculture Education, Agricultural Business, Food Production, the Human Environment, and Energy Production and Management.

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, fruit and vegetable plots, a plant nursery and specimen garden and turf plots to support the horticultural instruction area. The University also 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.

The Department will also provide service to the University, community, region, profession, and industry; provide opportunities for faculty/staff/student collaboration in scholarly and creative activities; and engage in continuous improvement processes to ensure its programs, services, and infrastructure are current and relevant.

EKU Farms will provide a technologically current, high quality learning environment for instruction. It will demonstrate agricultural practices and techniques that are consistent with the instructional program, are environmentally sound and have practical application. Information will also be disseminated to the regional agricultural community. EKU Farms will also promote and conduct service activities such as field days, tours, seminars, demonstrations, meetings, and open houses to serve the needs of diverse consumer groups.

PROGRAM OBJECTIVES

Graduates in the agriculture area are well trained for careers in many diverse aspects of agriculture such as government agencies (Kentucky Department of Agriculture, USDA, Cooperative Extension Service, NRCS), 4-H programs, soil conservation, farm management and operations, agribusiness including agriculture financial agencies/institutions, sales, feed sales, food plant supervision, retail-store management, technical service, Career and Technical Education, and the livestock industry, to name a few. Students can also continue their education in graduate school or in veterinary medicine.

HORTICULTURE

In the horticulture area, the abundance of hands-on practical experiences allow graduates in the horticulture programs to pursue careers in the regional and local food industry, the turf industry as golf course superintendents, sports turf managers, sales and service areas, professional landscape industry, the nursery industry, and in the greenhouse industry.

CAREER AND TECHNICAL EDUCATION - AGRICULTURE EDUCATION CONCENTRATION

Graduates of the BS degree program in Career and Technical Education - Agriculture Education Concentration 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

BACHELOR OF SCIENCE (B.S.) AGRICULTURE CIP Code: 01.0301

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Agriculture majors will fulfill ACCT with AGR 499 or AGR 509. (*Credit hours may be incorporated into program requirements below.*)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar...0 hour
BTS 400 (CR only, no hours).

Program Core31 hours
AGR 115(2), 130, 131(1), 213, 215, 216(1), 304(4), 305(1), 308, 310, 319, 340, 411(1)

Program Electives.....15 hours
Experiential learning. 3 hours from AGR 301, 302, 349, OHO 301, 349;
ACCT capstone. Select one course from AGR 499, 509, OHO 498, 499

Upper Division Electives in AGR and/or OHO ...9 hours
Concentrations (select one):

Agribusiness Management.....26 hours
AGR 125, 126 (1), 350, 409, 440, 520; and 10 hours advisor approved electives
Agriculture Energy Systems Management.....20 hours
AGR 125, 126 (1), 311(2), 362(2), 381, 383, 410(3) and 570

Agronomy, Soils and Natural Resources.....26 hours
 AGR 125, 126 (1), 312 (4), 345; 404, 416, 430 and 570 and
 Upper Division electives in AGR and/or OHO (3 hours)

Animal Science.....29 hours
 AGR 125, 126 (1), 225 and 321(4); select two of the
 following: AGR 326(4), 327(4), 328(4), 329(4), 332, 380(4);
 select three of the following: AGR 312(4), 373, 374, 375, 376,
 377; and Upper Division electives in AGR and/or OHO (0-2
 hours)

**Fruit, Vegetable, Nursery and Greenhouse
 Production.....29 hours**
 AGR 404, 416; OHO 354, 365, 372(2), 375, 388; and 9 hours
 advisor approved electives

Turfgrass and Landscape.....29 hours
 AGR 404, 416; OHO 351(4), 354, 365, 370; and 10 hours
 advisor approved electives

Supporting Course Requirements 5 hours
 BIO(^GElement 4) 111(4) or 112(4); CHE 101/101L(^GElement
 4); CIS 212 or INF 104; ECO 120 (^GElement 5B).

^G = Course also satisfies a General Education element. Hours
 are included within the 36 hr. General Education requirement
 above.

**Supporting Courses Requirements for individual
 concentrations:**

Agribusiness Management ACC 201.....3 hours
**Agriculture Energy Systems EET 257, GEO 353 and
 456..... 9 hours**
**Agronomy, Soils and Natural Resources
 GEO 3533 hours**

Free Electives.....3 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

PRE-PROFESSIONAL

Pre-Veterinary Medicine Pathways

For students who have a strong interest in veterinary
 medicine, the Department of Agriculture offers two concentrations
 in this program of study. Each concentration is tailored to meet
 the entrance requirements for either Auburn University School of
 Veterinary Medicine or Tuskegee Institute School of Veterinary
 Medicine.

These schools have seats specifically designated for Kentucky
 residents. The student may be advised differently when applying
 to other veterinary schools since entrance requirements vary. Upon
 completion of the degree, the student is also awarded a Minor in
 Chemistry.

**Pathway 1: Pre-Veterinary Transfer Pathway – B.S. in
 Agriculture**

The student intends to apply and hopes to transfer to a
 school of veterinary medicine after their 3rd year at EKU.
 Students who intend to follow this pathway declare a B.S. in
 Agriculture as their major and the pre-vet transfer option as
 the concentration.

Students can then complete the B.S. degree from EKU by
 transferring credits from the first year of veterinary school
 back to EKU. Students not accepted after the junior year may
 elect to stay at EKU and change to the concentration below
 and then reapply to a school of veterinary medicine.

**Pathway 2: General Pre-Veterinary Pathway – B.S. in
 Agriculture**

Student intends to earn a B.S. degree in Agriculture at
 EKU and applies for admission into a school of veterinary
 medicine. Students will typically apply to a school of
 veterinary medicine during the fall of their senior year at
 EKU. Students who intend to follow this pathway declare
 a B.S. in Agriculture as their major and the general pre-vet
 option as the concentration.

**Admission into Auburn or Tuskegee Schools of
 Veterinary Medicine**

Kentucky is 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 have completed
 pre-veterinary requirements are selected on a competitive
 basis by Auburn or Tuskegee each year and are exempt from
 out-of-state tuition. Both veterinary schools have similar
 entrance requirements, including a GRE examination.

Students should have a grade point average of 3.4 to be
 competitive. Students need to pass all pre-veterinary required
 courses with a grade of “C” or better. Courses in organic
 chemistry and physics must have been completed within six
 years of entry into the school of veterinary medicine. Students
 applying to Auburn use the Veterinary Medical College
 Application Service (VMCAS). Students apply directly
 to Tuskegee. Application deadlines for both are October
 1. Students are expected to gain veterinary experience by
 working directly with a D.V.M.

**BACHELOR OF SCIENCE (B.S.)
 AGRICULTURE
 General Pre-Veterinary Pathway
 CIP Code: 01.0301**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with
 30+ hrs.) 1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/
 Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/
 Supporting/Gen Ed/Free Electives categories*)
- ACCT - Agriculture majors will fulfill ACCT with AGR
 499 or AGR 509. (Credit hours are incorporated into major
 requirements below.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements: Professional Skills

Seminar 1 hour
 AGR 305(1).

Core Courses22-24 hours
 AGR 321(4), 421; AGR 499 or 509; two production classes
 from AGR 255, 327(4), 328(4), 329(4), 332, or 380(4); two
 animal science courses from AGR 373, 374, 375, or 376.

Core Requirements 18 hours

AGR 125, 126(1), 304(4), 308, 349(3), and 411(1); one of the following: AGR 310, 350, or 440.

Additional Veterinary School Requirements.....18-20 hours
CHE 361/361L, 362/362L, and 431; two classes of science electives from BIO 315(4), 320(4), 348, 546(4) or PHY 132(5). Courses listed are those required by Auburn School of Veterinary Medicine for students with a Baccalaureate degree prior to starting veterinary school.

Supporting Course Requirements.....18-20 hours
BIO(^GElement 4) 111(4), 112(4), 331; CHE(^GElement 4) 111/111L, 112/112L; ECO 120 (^GElement 5B); select one class from: MAT(^GElement 2) 120, 122 (5), 211, or 234(4); PHY 131(5).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3-6 hours
TOTAL HOURS TO COMPLETE DEGREE120-123 hours

**BACHELOR OF SCIENCE (B.S.)
AGRICULTURE
Pre-Veterinary Transfer Pathway
CIP Code: 01.0301**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Agriculture majors will fulfill ACCT with AGR 499 or AGR 509. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

- College Requirements.....1 hour**
AGR 305 (1)
- Core Courses.....28-29 hours**
AGR 321(4) or 421, and 499 or 509; 22 hours of agriculture classes in consultation with advisor.
- Core Requirements4 hours**
AGR 125, and 126(1).

Additional Veterinary School Requirements.....33-36 hours
Courses listed below are those required by Auburn School of Veterinary Medicine for students transferring, without a Baccalaureate degree, prior to starting veterinary school.
CHE 112/112L, 361/361L, 362/362L, and 431; two classes of sciences elective from AGR 374, 375, or 376, BIO 315(4), 320(4), 348(4), 546(4), or PHY 132(5); six additional hrs of arts & humanities (beyond any taken to meet general education); six hours of social and behavioral science electives (beyond any taken to meet general education).
A six-hour sequence is required in either literature or history.

Supporting Course Requirements.....14-16 hours
ART 200(^GElement 3A), MUH 171(^GElement 3A) or THE 100(^GElement 3A); BIO(^GElement 4) 111(4), 112(4), and 331; CHE 111/111L(4) (^GElement 4); ENG (^GElement 3B) 211 or 212; MAT(^GElement 2) 120, 122(5), 211, or 234(4); PHY 131(5).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above. Note that a maximum of six credit hours will apply to Gen Ed Element 6.

Free Electives.....3 hours
TOTAL HOURS TO COMPLETE DEGREE120-126 hours

**BACHELOR OF SCIENCE (B.S.)
CAREER AND TECHNICAL EDUCATION/
TEACHING
AGRICULTURE EDUCATION TEACHER CERTIFICATION
CIP Code: 13.1319**

Offered in cooperation with the Department of Applied Engineering and Technology.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

ACCT - Career and Technical Education majors will fulfill ACCT with CTE 463 or ESE 499. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300(CR only, no hours) and 400 (CR only, no hours).

Pre-Service Teacher Education Program

Career and Technical Education Requirements9 hours
CTE 262, 361, and 363.

Agriculture Education (includes all areas below) .45 hours

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 one class from AGR 315, 317, or 318;

Plant Science AGR 130, 131 or OHO 131, 132 and one class from AGR 312, 417 and OHO 384 or 385;

Agriculture Business AGR 308 and one class from AGR 310, 350, 409 or 440. AGR 304, 305 (1) plus Agriculture or Horticulture electives to make 45 credit hours selected in consultation with your advisor.

Professional Education Requirements31 hours

EDC 300, EDF 310(1), 219, 413(2), EMS 300W (1), 474, 490(1), ESE 552, *TEC 368, and 12 credit hours of Clinical Experiences: CED 150 (0.5), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

^e = Course also satisfies Core or Concentration requirements

Supporting Course.....0 hours

MAT 114 (^GElement 2) or higher; SED 104* (^GElement 6).

^G = Course also satisfies a General Education element. Hours are

included within the 36 hours in General Education.
 *Course meets Professional Education Requirements.
Free Electives.....3-10 hours

TOTAL HOURS TO COMPLETE DEGREE.....125 hours

Candidates earning a degree that leads to pre-service teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams as a requirement for graduation. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (<http://www.kyepsb.net/assessment/index.asp> AND www.ets.org/praxis). Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams. Career and Technical Education concentrations require all pre-service students to meet the general education knowledge for initial teacher preparation requirements (see College of Education section of this Catalog).

The BS degree program in Career and Technical Education is accredited by the National Council for Accreditation of Teacher Education.

ASSOCIATE DEGREE

**ASSOCIATE OF APPLIED SCIENCE (A.A.S.)
 TECHNICAL AGRICULTURE
 CIP Code: 01.9999**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education**19 hours
 BIO 111/111L, BIO 112/112L, CHE 101/101L, or CHE 105/105L (°Element 4); ECO 120 (°Element 5B); ENG 101 OR 105 (°Element 1A); ENG 102 (°Element 1B); MAT 105 (°Element 2); Select three hours in Element 3A, or three hours in Element 3B.
- Student Success Seminar**1 hour
 (BTO 100; waived for transfers with 30+ hrs.)
- Total Hours University Graduation Requirements ..20 hours**

MAJOR REQUIREMENTS

- Core**30 hours
 AGR 130 and 131(1), or OHO 131 and 132(1); AGR 210(2), 213, 215, and 216(1); AGR 304(4) or OHO 304(4); AGR 305(1), 308, six hours of practicum, and three hours departmental electives.
- Select one of the following concentrations:
- Agricultural Systems Management**11 hours
 AGR 115(2), 301(1), 362(2), 381 and 383.
- Agribusiness Management**12 hours
 AGR 310, 350, 409 and 440.
- Floriculture/Greenhouse Management**11 hours
 OHO 362E(2), 362K(1), 364(2), 384 and 388.
- Landscape Horticulture**11 hours
 OHO 365(4); 370 or 372; OHO 391(4).
- Livestock Management**11-12 hours
 AGR 125, 126(1) and 321(4); AGR 327(4), 328(4), 329(4), 332, or 380(4).

Turfgrass Management.....12 hours
 AGR 362(2), OHO 351(4), 354, and 370.

TOTAL HOURS TO COMPLETE DEGREE.....61-62 hours
 *Courses meeting general education requirements.

MINORS

MINOR IN AGRICULTURE

Requirements.....18 hours

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 SOILS

Requirements.....18 hours

A core of courses consisting of 18 hours may be taken for a minor in soils. Courses are AGR 130, 131(1), 215, 216(1), 340, 345; 349(1) or 410(1), and 416. At least six hours must be taken at EKU. Transfer classes are to be evaluated by the Department Chair. No more than nine hours of course work taken toward a major may be counted toward the soils minor.

**DEPARTMENT OF APPLIED
 ENGINEERING AND TECHNOLOGY**

Chair

**Dr. L. Tim Ross
 (859) 622-3232
 Whalin 302**

Faculty

A. Adams, S. Arias, V. Chandra, D. Dailey, W. Davis, B. Dyer, T. Erekson, D. Field, J. Kilgore, A. Lamanna, R. Richardson, L. Ross, S. Sgro, G. Steinbach, M. Walach, N. Wang, J. Wilson, and C. Zhang.

The Department of Applied Engineering and Technology offers Bachelor of Science degree programs in: Applied Engineering Management, Aviation, Construction Management, Network Security and Electronics and Career and Technical Education.

DEPARTMENT GOALS

The Department of Applied Engineering and Technology seeks to provide an educational experience relevant to current and future societal needs to meet global economic and industrial trends. Programs in Applied Engineering and Technology prepare professionals for careers in Applied Engineering Management, Aviation, and Network Security and Electronics through the Bachelor of Science degree programs; prepare technicians for careers in Applied Engineering and Computer Electronics Technology through concentrations in the Associate of Applied Science in Technology degree program; prepare professionals for

careers in Career and Technical Education through certification, Associate of Applied Science, Bachelor of Science and Master of Science degree programs; prepare professionals for advanced career opportunities in Applied Engineering and Technology Management through the Master of Science degree program; and to provide programs of quality instruction and professional services to the University and to the community.



Federal Aviation Administration

AVIATION

The EKU aviation program offers a Bachelor of Science degree in Aviation with three concentrations: Aerospace Management, Aerospace Technology, and Professional Flight. These concentrations combine courses in business management, communication, math, computer science and general education. The Aerospace Management Concentration prepares students for exciting professional careers in all aspects of the aerospace industry from a management perspective whereas the Professional Flight Concentration prepares students for careers as pilots. The Professional Flight Program is an FAA Part 141 approved Flight School and the only university program to offer 100 hours of multi-engine flight coupled with the 1000 hour restricted ATP certificate.

The Aerospace Technology (AT) degree is a degree-completion concentration. By adding upper division aerospace management and operations studies, the Bachelor's degree AT concentration is specifically designed to complete a two-year community college degree with a heavy technical aviation course load. Examples of aviation technical degrees include Airframes & Power Plants (A&P), a two-year helicopter and/or airplane proflight degree, any two-year career technical (CTE) degree partnered with a local flight school, any two-year air traffic control program, and/or any two-year aerospace management program, and/or two-year Unmanned Aircraft Systems (UAS) programs. Additionally, non-degreed airline pilots with the Airline Transport Pilot (ATP) certificate may complete their bachelor's degree with this concentration.



American Council for Construction Education

CONSTRUCTION MANAGEMENT

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 this program will have oral, written and graphic communication skills for successful performance in a construction environment; possess functional computer skills including the utilization of general and construction application software; apply mathematical and

scientific skills in the management and execution of construction projects; apply the concepts of management, accounting, economics and ethics in the management and execution of construction projects; possess a basic understanding of the science of materials and the methods by which they are placed into service; possess the essential plan reading, quantity takeoff and pricing skills to function as a junior estimator; be able to prepare a project budget, analyze cost reports and make cash flow projections for a project; be able to prepare a project schedule, monitor progress toward completion, and update the schedule as needed; possess a basic knowledge of OSHA standards and be able to establish and enforce a safety plan on a job site, be able to interpret site plans, establish horizontal and vertical control on a site, and perform layout for buildings and utilities; be able to administer situations on a project site, including evaluation of subcontractor pay requests, writing of purchase orders, and recording change orders, subcontracts, shop drawings, and daily reports; and perform in an acceptable manner in internship work assignments.



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The Association of
Technology,
Management, and
Applied Engineering

APPLIED ENGINEERING MANAGEMENT

Graduates of the Applied Engineering Management Program are prepared for professional careers in technology related businesses. These businesses offer many opportunities to pursue exciting, challenging and rewarding careers that require technical knowledge and managerial skills. Applied Engineering Management prepares individuals for entry-level positions that may include: manufacturing engineer, production engineer, industrial supervisor, industrial engineer, industrial technician, and quality engineer.

Graduates of Applied Engineering Management will be able to relate terminology, techniques and methodology to technical managerial concepts; demonstrate the ability to formulate and apply technical problem solving and managerial concepts; and be able to apply the concepts of mathematics and the physical sciences to solve technical problems. The BS degree program in Applied Engineering Management is accredited by the Association of Technology, Management, and Applied Engineering.

NETWORK SECURITY AND ELECTRONICS

Graduates of the Network Security and Electronics program are prepared for a career in the high-tech computer electronics industry. Coursework in the program provides students with the knowledge and skills needed for installing, configuring, maintaining, and managing computer network systems and security, and digital electronic devices.

Graduates of this program will demonstrate proficiency in basic networking skills relevant to LAN/WAN environments, demonstrate proficiency in basic computing skills, demonstrate fundamental knowledge in electricity/electronics, and demonstrate effective communication skills while conveying information to technical and non-technical audiences. The Network Security and Electronics program is accredited by the Association of Technology, Management, and Applied Engineering.

CAREER AND TECHNICAL EDUCATION

Engineering/Technology Education Concentration

Graduates of the Engineering/Technology Education concentration of the B.S. degree program in Career and Technical Education are prepared for teaching careers at the middle school and high school levels. An Engineering/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 Engineering/Technology Education concentration of the Career and Technical Education program will complete a student teaching experience in a professional setting; will be able to prepare a portfolio that includes instructional material development, samples of assessment and a professional growth plan; and will be able to demonstrate technical competence in the areas of 1) basic engineering/technology, 2) civil engineering/technology, 3) electrical engineering/technology, and 4) mechanical/industrial engineering technology.

Technical Education Concentration

Graduates of the Technical Education concentration of the B.S. degree program in Career and Technical Education are prepared for teaching careers in secondary schools and post-secondary technical colleges in technical areas such as: computer electronics, computer aided drafting (CAD), graphic arts and other technical occupational areas. A concentration is also offered in Occupational Training Development for those interested in training for business and industry.

Graduates of the Technical Education concentration of the Career and Technical Education program will be able to plan and implement instruction for technical education courses; be able to develop and analyze assessment instruments for technical education courses; be able to develop and apply appropriate teaching strategies for technical education courses; be able to complete a Practicum in Career and Technical Teaching in a professional setting; and will be able to demonstrate occupational/technical competence by obtaining discipline-specific expertise.

Occupational Training and Development Concentration

Graduates of the Occupational Training and Development concentration of the B.S. degree program in Career and Technical Education are prepared to plan and implement instruction for technical courses in a business and industry setting; are able to develop and analyze assessment instruments for technical courses; are able to develop and apply appropriate teaching strategies for technical courses; and are able to complete a Practicum in Career and Technical Teaching.

The BS program in Career and Technical Education is accredited by the National Council for Accreditation of Teacher Education.

ASSOCIATE OF APPLIED SCIENCE

The Department of Applied Engineering and Technology also offers Associate of Applied Science degree programs (two-year programs) in Technology and Career and Technical Education. The Associate of Applied Science degree in Technology offers the student a choice of technical concentration in: Applied Engineering or Computer Electronics. The AAS degree program in Technology is accredited by the Association of Technology, Management, and Applied Engineering.



The Association of
Technology,
Management, and
Applied Engineering

ASSOCIATE OF APPLIED SCIENCE - TECHNOLOGY

Applied Engineering

Graduates of this program concentration are prepared to become applied engineering technicians who work in product design, research and development, manufacturing, and service related jobs. Students will become familiar with the technologies that are essential for business and industry wanting to remain competitive in a global economy.

Graduates will demonstrate proficiency in the fundamentals of chemistry/physics, electricity and electronics, manufacturing processes, lean, quality, practical statistical methods, and computer aided drafting or design applications to communicate and solve design problems.

Computer Electronics

Graduates of the Computer Electronics (CE) program concentration are prepared for rewarding careers as computer electronic technicians in the public and private sector. Computer Electronics program graduates are qualified to obtain jobs in a wide variety of information technology, manufacturing and service industries. These jobs require skilled technicians for installing, troubleshooting and maintaining microprocessor-based systems, programmable logic controllers, computer hardware and software.

Graduates of the CE concentration of the AAS in Technology program will demonstrate fundamental knowledge in electricity/electronics at the technician’s level; demonstrate proficiency in basic computing skills; demonstrate proficiency in basic networking skills relevant to LAN/WAN environments; and demonstrate effective communication skills while conveying information to technical and non-technical audiences.

ASSOCIATE OF APPLIED SCIENCE - CAREER AND TECHNICAL EDUCATION

The Career and Technical Education Associate of Applied Science Degree program is designed for in-service technical teachers employed in area technical centers and post-secondary technical schools. Graduates of the Career and Technical Education AAS degree program will be able to plan and implement instruction for technical education courses; develop and analyze assessment instruments for technical education courses; develop and apply appropriate teaching strategies for technical education courses; and complete a Practicum in Career and Technical Teaching.

MINORS

The department also offers minors in Applied Engineering Management, Aviation Administration, Aviation (Flight), Computer Electronics Technology, Construction Management, and Quality Assurance.

ENDORSEMENT/CERTIFICATES

A university certificate in Land Surveying, and a Career and Technical Education certificate program for in-service technical teachers are also offered by the Department of Applied Engineering and Technology.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
APPLIED ENGINEERING MANAGEMENT
CIP Code: 15.1501**

Prior to enrolling in the last 60 hours of the Applied Engineering Management degree program students must complete AEM 195, 201, and 202; CHE 101, 101L (1) or CHE 111, 111L (1); MAT 120, and PHY 131; STA 215 or 270; TEC 161, 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 Applied Engineering Management program is accredited by the Association of Technology, Management, and Applied Engineering.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour (BTO 100; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT Applied Engineering Management majors fulfill ACCT with AEM 499. (Credit hours are incorporated into program requirements below.)

Total hours University Graduation Requirements 37 hours

MAJOR REQUIREMENTS

College Requirement

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses 49 hours

AEM 195, 201, 202, 301, and 308; AEM 310 or 310W; AEM 330, 332, 349(1), 352, 371, 390, 407, 408, 499, EET 251, and TEC 161.

Applied Engineering Management Electives..... 12 hours

+Select 12 hours from the following technical electives. Note that 9 hours must be upper division: AEM 320, 336, 382, 383, 392, 395, 397, 506; AEM 530, or STA 585; CON 303, EET 252, 350, 351, 452; NET 440 or TEC 190.

Supporting Course Requirements 12 hours

CHE 101/101L(4) (^GElement 4) or 111/111L(4) (^GElement 4); CON 420 or ECO 300; ECO 230 (^GElement 5B); MAT 120 (^GElement 2) and 211, or six hours of higher level MAT courses; PHY 131(5) (^GElement 4); STA 215, or 270.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of 6 hours can apply toward Element 4.

Exit Exam Requirement 0 hours

AEM 467

Students must take an AEM assessment examination before graduation. An exam fee is required.

Free Electives..... 10 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

Students must take an assessment examination before graduation. An exam fee is required.

+Transfer students with an associate degree in a technical related field may not need to take these 12 hours of electives if upper division requirement can be completed.

**BACHELOR OF SCIENCE (B.S.)
APPLIED ENGINEERING MANAGEMENT
AND
MASTER OF SCIENCE (M.S.)
APPLIED ENGINEERING AND TECHNOLOGY
MANAGEMENT
[APPLIED ENGINEERING AND TECHNOLOGY
MANAGEMENT CONCENTRATION]
ACCELERATED 3+2 DUAL DEGREE PROGRAM
CIP Code: 15.0612**

Students accepted to the 3+2 Accelerated Dual Degree Program are able to complete their B.S. degree and M.S. degree within five calendar years because of the accelerated curriculum and because nine semester hours of graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:

Students interested in this program must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT Applied Engineering Management majors fulfill ACCT with AEM 499. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirement

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours)

Core Courses 52 hours

AEM 195, 201, 202, 301, and 308; AEM 310 or 310W; AEM

BUSINESS AND
TECHNOLOGY

330, 332, 349(1), 352, 371, 390, 408, 499, 706, 804, EET 251, and TEC 161.

Applied Engineering Management Electives..... 9 hours

Select 9 hours from the following technical electives. Note that 6 hours must be upper division: AEM 320, 336, 382, 383, 392, 395, 397; AEM 530 or STA 585; CON 303, EET 252, 350, 351, 452; NET 440 or TEC 190.

Supporting Course Requirements 12 hours

AEM 801; CHE101/101L (4) (^GElement 4) or 111/111L (4) (^GElement 4); ECO 230 (^GElement 5B); MAT 120 (^GElement 2) and 211, or 261, or six hours of higher level MAT courses; PHY 131(5) (^GElement 4); STA 215 or 270.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of six hours can apply toward Element 4.

Exit Exam Requirement:

AEM 467(0)

Students must take an AEM assessment examination before graduation. An exam fee is required.

Free Electives..... 10 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
AVIATION
CIP Code: 49.0102**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
(9 supporting hours are included within the 36 hours of General Education requirements)
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Aviation majors will fulfill ACCT with AVN 402. (Credit hours are incorporated into program requirements below.)

Total hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses34 hours

AVN 150, 192(4), 315, and 325; AVN 340 or 470, AVN 350, 370 or 490, 401, 402, 410, 460. Majors must also select one of the following concentrations:

Concentrations (select one):

Professional Flight - Single Engine (SEL)34 hours

AVN 192A (1), 193A (1), 220 (4), 221A (1), 222A (1), 300 (2), 301A (1), 302A (1), 303A (1), 304A (1), 305 (1), 305A (1), 330, 415, 425, 435, and 480(1); AVN 415A (1), 421 (2), 421A(1), and 422A (1), or AVN elective (5).

Professional Flight - Multiengine (MEL).....34 hours

AVN 192A (1), 193A (1), 220 (4), 221A (1), 222A (1), 300 (2), 305 (1), 305A (1), 330, 331A (1), 332A (1), 333A (1), 334A (1), 415, 425, 435, and 480(1); AVN 416A (1), 421 (2), 421A (1), and 423A (1), or AVN elective (5).

Aerospace Management34 hours

ACC 201, 202, AVN 360, 390, ECO 231, GBU 204, MKT 301, and 13 hours free electives.

**Note: selecting only lower division courses may result in additional course work being needed to meet the University requirement of 42 hours of upper division credits. Students are referred to DegreeWorks to check for course pre-requisites and monitor upper division hours.*

Aerospace Technology.....34 hours

AVN 360, 390, 435, and twenty-five credit hours of aviation technical electives.

Supporting Course Requirements 12-14 hours

AVN 335 or GEO 315; ECO 230 (^GElement 5B); MAT 107, 114 or higher (^GElement 2); BIO 301 or MGT 300 or 301; PHY 101 or higher (^GElement 4); STA 215 or QMB 200, and CMS 100 or EES 250 (^GElement 1C); TEC 161.

^G = Course also satisfies a General Education element.

Supporting hours are included within the 36 hr. General Education requirement above.

Free Electives..... 3-6 hours

Exit Exam Requirement:

Students must take an Aviation exit examination before graduation.

AVN 467 (CR only)..... 0 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

Note: VA Regulations for Aviation Courses

Students using GI Bill® benefits to fund an aviation course must complete each course and/or flight lab within one year of initial registration; failure to do so will result in the student being assigned a grade of NC (No Credit). Students using GI Bill® benefits must repay to the VA the cost (including a portion of stipends for living expenses) related to any course in which a grade of NC is earned. All student participants receiving Veterans Administration benefits have 19 calendar weeks from the date of the first flight event to complete an Aviation flight lab.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>

Aviation Flight Hours & Costs/Fees

A complete listing of aviation related fees for the current academic year is published on the ECU Aviation Flight Fees website (<http://aviation.eku.edu/aviation-flight-fees>), and included in materials provided by the flight instructors.

Additionally, all VA funded flight students receive this information from the ECU and Veteran Affairs during their enrollment certification process. Students should verify through their regional Department of Veterans Affairs processing office if they have questions regarding their eligibility to use VA resources to complete the requirements of the ECU Aviation program.

**BACHELOR OF SCIENCE (B.S.)
CAREER AND TECHNICAL EDUCATION/
TEACHING
CIP Code: 13.1319**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Career and Technical Education majors will fulfill ACCT with CTE 463 or ESE 499. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300(CR only, no hours) and 400 (CR only, no hours).

Pre-Service Teacher Education Program

Career and Technical Education Requirements...9 hours
CTE 262, 361, and 363.

Agriculture Education (includes all areas below).....45 hours

Animal Science45 hours
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 one class from AGR 315, 317, or 318; Plant Science AGR 130, 131 or OHO 131, 132 and one class from AGR 312, 417 and OHO 384 or 385; Agriculture Business AGR 308 and one class from AGR 310, 350, 409 or 440. AGR 304, 305 plus Agriculture or Horticulture electives to make 45 credit hours selected in consultation with your advisor.

Technical Education.....45 hours**
45 semester hours of technical courses to be chosen in consultation with the advisor. A maximum of 18 semester hours (in CTE 204, 205, 206, 304, 305, and 306 may be allowed by proficiency examination; TEC 349*[9 hours]).

Engineering/Technology Education*45 hours
AEM 195, 201, 371, 383, CON 121, 201, 294, EET 252, NET 302, 303, TEC 161, 190, 303, 404; select three hours from AVN 150, GCM 211, TEC 102 and 141.

Professional Education Requirements31 hours

EDF 203(1), 219, 413(2), EMS 300W(1), 474, 490(1), ESE 552, SED 104^G(Element 6), 402(2), *TEC 368, and 12 credit hours of Clinical Experiences: CED 100 (0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

^C = Course also satisfies Core or Concentration requirements

In-Service Teacher Education Program

Professional Education Core.....25 hours
CTE 164, 261, 361, 363, 364, 463(4), EDF 320, and TEC 161.

In-Service Teacher Education/Training and Development Concentrations:

Technical Education.....45 hours
45 semester hours of technical courses to be chosen in consultation with the advisor. A maximum of 18 semester

hours (in CTE 204, 205, 206, 304, 305 and 306 may be allowed by proficiency examination).

Occupational Training and Development45 hours
Technical courses chosen in consultation with advisor. A maximum of 18 semester hours (in CTE 204, 205, 206, 304, 305 and 306 may be allowed by proficiency examination).

Supporting Course.....3^G hours

MAT 114 (^GElement 2) or higher; SED 104* (^GElement 6).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

*Course meets Professional Education Requirements.

Free Electives.....3-10 hours

TOTAL HOURS TO COMPLETE DEGREE120-125 hours

**Graduates completing the Pre-Service Teacher Education concentration 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.

Candidates earning a degree that leads to pre-service teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams as a requirement for graduation. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (<http://www.kyepsb.net/assessment/index.asp> AND www.ets.org/praxis). Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams.

† Those desiring eligibility to teach in pre-engineering education programs at the middle school and high school level should take the following general education courses: CHE 111, MAT 114, 120, PHY 131.

Career and Technical Education concentrations require all pre-service students to meet the general education knowledge for initial teacher preparation requirements (see College of Education section of this *Catalog*).

The BS degree program in Career and Technical Education is accredited by the National Council for Accreditation of Teacher Education.

**BACHELOR OF SCIENCE (B.S.)
CONSTRUCTION MANAGEMENT
CIP Code: 52.2001**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success..... 1 hour Seminar (waived for transfers with 30+hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses ((42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Construction Management majors will fulfill ACCT

with CON 499. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Major Requirements..... 53 hours

CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 324, 325 (5), 349 (2), 420, 421, 425, 426, and 499(4). *Two separate enrollments of CON 349 are recommended in order to achieve a total of 2 cr. hrs.*

Supporting Course Requirements 24 hours

ACC 201 or FIN 310; AEM 310W or CCT 201; AEM 408 or MGT 301; ECO 230 (^GElement 5B), GBU 204, and GLY 108 (^GElement 4); MAT 120 (^GElement 2), 211, and 217(1) or seven hours of higher level MAT courses; PHY 131(5) (^GElement 4), TEC 161, and three hours of ACC, CCT, CIS, ECO, FIN, GBU, RMI, MGT, MKT, QMB, or RST electives* as approved by major advisor**.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of six hours will count toward Element 4.

*Business electives may be upper or lower division as necessary in order to complete upper division requirement.

** Students wishing to pursue the Minor in Business must confer with their major advisor to make substitutions to the supporting course requirements. QMB, RMI, and RST courses do not apply to the Minor in Business.

Exit Exam Requirement:

Students must take a construction assessment examination before graduation. An exam fee is required.

Free Electives..... 6 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

The Construction Management program is accredited by the American Council for Construction Education.

**BACHELOR OF SCIENCE (B.S.)
CONSTRUCTION MANAGEMENT AND
MASTER OF SCIENCE (M.S.)
APPLIED ENGINEERING AND
TECHNOLOGY MANAGEMENT
[CONSTRUCTION MANAGEMENT
CONCENTRATION]
Accelerated 3+2 Dual Degree Program
CIP Code: 52.2001**

Students accepted to the 3+2 Accelerated Dual Degree Program are able to complete their B.S. degree and M.S. degree within five calendar years because of the accelerated curriculum and because nine semester hours of graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:

Students interested in this program must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Orientation Course 1 hour (waived for transfers with 30+hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses ((42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Construction Management majors will fulfill ACCT with CON 499. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours)

Major Requirements..... 56 hours

AEM 801, 804, CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 323, 324, 349 (2), 421, 423, 499, 829, and OSH 379. (Two separate enrollments of CON 349 are recommended in order to achieve a total of 2 cr. hrs.)

Supporting Course Requirements 27 hours

ACC 201 or FIN 310; CCT 201, ECO 230(^GElement 5B), GBU 204, and GLY 108(^GElement 4); MAT 120(^GElement 2) and 217(1) and 261, or seven hours of higher level MAT courses; MGT 301 or AEM 408; PHY 131(5) (^GElement 4), TEC 161, and three hours of ACC, CCT, CIS, ECO, FIN, GBU, MGT, MKT, QMB, RMI, or RST electives* as approved by major advisor**.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of six hours will count toward Element 4.

*Business electives may be upper or lower division as necessary in order to complete upper division requirement.

** Students wishing to pursue the Minor in Business must confer with their major advisor to make substitutions to the supporting course requirements. QMB, RMI, and RST courses do not apply to the Minor in Business.

Free Electives.....3 hours

Exit Exam Requirement:

Students must take a construction assessment examination before graduation. An exam fee is required.

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
NETWORK SECURITY AND ELECTRONICS**
CIP Code: 15.1299

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Network Security and Electronics majors will fulfill ACCT with NET 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total hours University graduation requirements....37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses 40 hours

AEM 352, EET 253, or 351; EET 251, 252, and 257; NET 302, 303, 343, 344, 349(1), and 354; NET 395 or 440; NET 403, 454, and 499.

Supporting Courses 30-36 hours

AEM 202, 407, and 408; AEM 310 or 310W; CHE 101/101L or higher (^GElement 4); CSC 160, and three hours of higher CSC courses; ECO 230 (^GElement 5B); MAT 114 or higher; MAT 120 (^GElement 2); PHY 101 or higher (^GElement 4); STA 215 or 270; TEC 161, and three hours of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, or RMI electives as approved by major advisor.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives 7-13 hours

(Up to three semester hours of Upper Division courses, including Cooperative Education, may be needed for meeting the 42 hour requirement.)

Exit Requirement 0 hours

NET 467 (CR only, no hours)

TOTAL HOURS TO COMPLETE DEGREE 120 hours

The Department of Applied Engineering and Technology’s Network Security and Electronics degree program has an articulation agreement for transfer of credit and cooperation with Bluegrass Community and Technical College’s (formerly Lexington Community College) Associate in Applied Science Degree in Engineering Technology with Electrical Specialization.

*Prerequisites may be required for some course selections.

Students must take at least one computer systems, networking, security, electronics, or telecommunications technology certification or license exam approved by the advisor.

Students must take a Network Security and Electronics exit examination before graduation. Graduates must have an overall GPA of 2.25 in major requirements.

The Network Security and Electronics program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

**BACHELOR OF SCIENCE (B.S.)
NETWORK SECURITY AND ELECTRONICS
AND
MASTER OF SCIENCE (M.S.)
APPLIED ENGINEERING AND
TECHNOLOGY MANAGEMENT
[NETWORK SECURITY MANAGEMENT
CONCENTRATION]
Accelerated 3+2 Dual Degree Program**
CIP Code: 15.1299

Students accepted to the 3+2 Accelerated Dual Degree Program are able to complete their B.S. degree and M.S. degree within five calendar years because of the accelerated curriculum and because nine semester hours of graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:

1. Students interested in this program must satisfy all the following conditions:
2. Junior or Senior standing
3. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
4. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
5. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses ((42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Network Security and Electronics majors will fulfill ACCT with NET 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirement: Professional Skills Seminar

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses 46 hours

AEM 352 or EET 253 or 351; AEM 801, EET 251, 252, 257, NET 302, 303, 343, 344, 349(1), and 354; NET 395 or 440; NET 403, 454, 499, and TEC 830.

Supporting Courses 31 hours

AEM 202; AEM 310 or 310W; AEM 408, and 804; CHE 101/101L(4), or higher (^GElement 4); CSC 160, and three hours of higher CSC courses; ECO 230 or higher (^GElement 5b); MAT 114 (^GElement 2) or higher; MAT 120 (^GElement 2); PHY 101, or higher (^GElement 4); STA 215 or 270; TEC 161, and three hours of ACC, AEM, CCT, CIS, FIN, GBU, MGT, MKT, QMB, or RMI electives as approved by major advisor. ^G = Course also satisfies a General Education element. A maximum of six hours will count toward Element 4. Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 6 hours

Exit Requirement

NET 467..... 0 hours
Students must take an exit examination before graduation. An exam fee is required.

TOTAL HOURS TO COMPLETE DEGREE 120 hours

The department of Applied Engineering and Technology’s Network Security and Electronics degree program has an articulation agreement for transfer of credit and cooperation with Bluegrass Community and Technical College’s (formerly Lexington Community College) Associate in Applied Science degree in Engineering Technology with Electrical Specialization.

*Prerequisites may be required for some course selections.

Students must take at least one computer systems, networking, security, electronics, or telecommunications technology certification or license exam approved by the advisor.

Students must take a network Security and Electronics exit examination before graduation. Graduates must have an overall GPA of 2.25 in major requirements.

The Network Security and Electronics program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

ASSOCIATE DEGREES

**ASSOCIATE OF APPLIED SCIENCE (A.A.S.)
CAREER AND TECHNICAL EDUCATION
(TEACHING)
CIP Code: 13.1319**

Note: Enrollment in this program is restricted to in-service technical teachers and graduates of a technical program at a Community or Technical College.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....20-21 hours
Elements: 1A, and 1B (ENG 101,102, or 105 with a grade of “A” or “B”); 2 (MAT 114 or higher); any 3A or 3B; 5A or 5B; five hours of any other General Education coursework.
 - Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.).....1 hour
- Total Hours University Graduation Requirements.....21-22 hours

MAJOR REQUIREMENTS

The AAS degree program in Career and Technical Education is accredited by the National Council for Accreditation of Teacher

Education.

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.

Core Courses24 hours

TEC 161; 21 hr from the technical area, or related to the area in which the individual proposes to teach, as approved by the advisor; a maximum of nine hrs (CTE 204, 205, 206) may be earned by proficiency examination; nine hours credit may be supervised work experience (TEC 349).

Supporting Courses21 hours

CTE 261, 361, 364, 463*(12).
*In-service teachers should substitute CTE 164, 363, 463 (4), and EDF 319 or SED 104 for CTE 463 (12).

Exit Exam:

Students must take a professional career and technical education assessment and the Teacher Occupational Competency Test (TO CT) before graduation.

TOTAL HOURS TO COMPLETE DEGREE66-67 hours

**ASSOCIATE OF APPLIED SCIENCE (A.A.S.)
TECHNOLOGY
CIP Code: 15.0612**

UNIVERSITY GRADUATION REQUIREMENTS

General Education18 hours

Elements: 1A,1B; 1C; 2 (MAT 114 or higher); 3A or 3B; 5B (ECO 230).

Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.).....1 hour

Total Hours University Graduation Requirements19 hours

MAJOR REQUIREMENTS

Applied Engineering (AE).....40-41 hours

AEM 195, 201, 202, 301 or 392, 308, 330, 332, 336 or 352 or 383, 371 or 390; EET 251; CHE 101/101L (4) or CHE 111/111L (4) or PHY 131 (5); MAT 120; STA 215 or 270.

Computer Electronics (CE)40 hours

(AEM 352 or EET 253 or 351 or NET 395); CSC 160 or higher; EET 251, 252, 257; MAT 120; NET 302, 303, 343, 349(1), 354, (399 or 499); PHY 101, or higher (^GElement 4); TEC 161.

Free Electives.....0-1 hours

Exit Exam.....0 hours

Students must take an assessment examination before graduation: AEM 367 (AE), NET 367a (CE), CR only, no hours.

TOTAL HOURS TO COMPLETE DEGREE60 hours

The AAS degree program in Technology is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

MINORS

**MINOR IN AEROSPACE MANAGEMENT
Aviation Program**

Requirements.....18 hours
A student may minor in aerospace management by completing a minimum of 18 semester hours as follows: AVN 150, 315, 340, 350, 460, and three hours of approved electives.

MINOR IN APPLIED ENGINEERING MANAGEMENT

Requirements.....18 hours
TEC 190, AEM 201, 202*, 308, and six hours of AEM upper division electives. No more than nine hours of courses taken for a major may be counted toward this minor.
*MAT 114 or higher and STA 215 or 270 are prerequisites for AEM 202.

**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, 192A, 193A, 220, 221A, 222A, 300; 315; GEO 315.

MINOR IN COMPUTER ELECTRONICS TECHNOLOGY

Requirements.....18 hours
EET 251, 252, (EET 253 or 351 or AEM 352), NET 302, 303, and (NET 343 or NET 354 or 395 or upper-division NET course approved by advisor). Prerequisites may be required for some course selections.

Exit Exam:

Students must take an assessment examination for completing the minor. NET 367b (CR only, no hours)

MINOR IN CONSTRUCTION MANAGEMENT

The Construction Management minor provides technical and managerial knowledge about the construction industry. It is an appropriate supplement to a student who is majoring in a profession affiliated with construction. This minor is particularly relevant to students majoring in business, insurance, management, manufacturing, and marketing.

Requirements.....21 hours
CON 121, 201, 202, 294, 323, 324, and 421. No more than nine hours of courses taken for a major may be counted toward this minor.

MINOR IN LAND SURVEYING

Designed to prepare students to take the Fundamentals of Land Surveying Examination (administered by the Kentucky State Board of Licensure for Professional Engineers & Land Surveyors) upon completion of the core curriculum in land surveying or during final year in a Baccalaureate Degree program if twelve (12) hours or more of the core curriculum in land surveying have been completed. This minor program includes all requirements of the core curriculum in land surveying.

Requirements.....21 hours
CON 221, 294, 320, 321; GEO 353, 425, 455. Non-Construction Management majors must also take GBU 204.

MINOR IN QUALITY ASSURANCE TECHNOLOGY

Requirements.....18 hours
STA 215 or 270, AEM 202, 332, 336, 506, and 530 or STA 585. No more than nine hours of courses taken for a major may be counted toward this minor.

CONCENTRATIONS

APPLIED ENGINEERING AND TECHNOLOGY

CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Applied Engineering and Technology Concentration requirements listed in the Associate of Arts in General Studies degree section.

COMPUTER NETWORKING SYSTEMS CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Computer Networking Systems Concentration requirements listed in the Associate of Arts in General Studies degree section.

ELECTRICITY AND ELECTRONICS CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Electricity and Electronics Concentration requirements listed in the Associate of Arts in General Studies degree section.

CERTIFICATES

UNIVERSITY CERTIFICATE IN LAND SURVEYING

The curriculum for the Land Surveying Certificate is aimed at students who have, or are pursuing, a four-year degree in a program other than land surveying from a college or university of recognized standing. This certificate program includes all requirements of the Kentucky core curriculum in Land Surveying. Upon completion of this curriculum, students will receive a certificate permitting them to take the Kentucky Fundamentals of Land Surveying Examination.

Requirements.....24 hours
CON 221, 294, 320, 321; GBU 204; GEO 353, 425, 455.

CAREER AND TECHNICAL EDUCATION PROFESSIONAL CERTIFICATION*

Enrollment in this program is restricted to those who are currently employed as technical teachers and required to become certified as teachers of Career and Technical Education: Industrial Education.

General Education Requirements20 hours
ENG 101, 102; MAT 114; three hours of General Education humanities, three hours of General Education social science and five hours of General Education electives.

Professional Education Requirements22 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 Requirements66 hours

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

DEPARTMENT OF MILITARY SCIENCE AND LEADERSHIP (ARMY ROTC)

Chair
LTC Darell Robinson
(859) 622-1205
Begley 524

Military Science and Leadership Faculty

Lieutenant Colonel Darell Robinson, Captain Nathan Player, Captain Chad Cassidy, Master Sergeant Michael Stainback, Sergeant First Class Michael Nicolaus, and Mr. Rob Roane.

Reserve Officer Training Corps (ROTC)

Getting a degree does not necessarily guarantee employment, however, 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

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 Aviation, Armor, Infantry, Transportation, Military Police, Engineers, as Army Nurses, to name but a few, and have the opportunity to travel worldwide. Starting salary for an active duty Lieutenant is over \$40,000, 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 2,200 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 ECU's Challenge Course, fire the M-16 rifle and/or M-4 Carbine, complete water survival training, and other adventure type activities. Students also learn to live the seven Army Values – Loyalty, Duty, Respect, Selfless Service, Honor, Integrity, and Personal Courage by demonstrating these values as they participate in the Cadet Battalion, the Pershing Rifles Drill Team/Color Guard, Ranger Company, and Raider Team.

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 \$1,200 annual book allowance, and a **monthly** tax-free living allowance. Four-year scholarship students also receive free room and board. Members of the National Guard or Army Reserves who join ROTC under the Simultaneous Membership Program (SMP) may also receive a 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, physical fitness, 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.

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 ECU ROTC—*"Where Leadership Excellence Begins."*

MINOR

MINOR IN MILITARY LEADERSHIP (ARMY)

Requirements.....21 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 satisfactorily complete both the Basic Course and the Advanced Course requirements. The Basic Course requirement is to complete either 1) Basic Training or 2) The Basic Camp or 3) MSL 101, 102, 201, and 202, or four years of JROTC. The Advanced Course requirement is 21 hours of advanced military science and leadership (MSL 301, 302, 303, 310, 401, 402).

AIR FORCE RESERVE OFFICER TRAINING CORPS (AFROTC)

Lt. Col John Ard
Commander, AFROTC Detachment 290 and Professor of
Aerospace Studies
University of Kentucky (Host School)
859-257-7115

AIR FORCE Faculty

Major Troy Kenning & Captain Anthony Noto

AIR FORCE ROTC SCHOLARSHIPS

The types of financial assistance available through Air Force ROTC are briefly described below. For further details on eligibility and requirements, contact the Department of Aerospace Studies, 203 Barker Hall, University of Kentucky, Lexington, KY, 40506-0028, (859) 257-7115; or visit <https://afrotc.as.uky.edu/> for more information. Additional information is also listed in this Bulletin under Aerospace Studies.

High School Scholarship Program (HSSP). Scholarships are available to those qualified and selected students who enroll in the Air Force ROTC program. These scholarships cover tuition and laboratory fees, provide an allowance for books, and provide a graduated nontaxable subsistence allowance ranging from \$300 to \$500 per month. Qualified high school students can apply for four-year Air Force ROTC scholarships. Applicants for four-year scholarships are evaluated on the basis of the following criteria: a composite score on the ACT, or a composite score on the SAT; the applicant's high school academic record; class ranking; extracurricular and athletic activities; personal interview; and ability to qualify on an Air Force medical examination. High school students who meet the basic eligibility requirements for a four-year scholarship must submit an application anytime **May 1st through December 1** of the year prior to enrollment in the program (usually the spring of their Junior year into the Fall of their Senior year).

All selections for four-year scholarships are made at Air Force ROTC headquarters. Students meet regularly scheduled boards from September to February (which is dependent upon when they officially apply). High school students should apply online at: www.afrotc.com. For additional information, contact the Air Force ROTC detachment, 203 Barker Hall, University of Kentucky, Lexington, KY 40506-0028, or by phone at (859) 257-7115.

In College Scholarship Program (ICSP). Scholarships are awarded to students enrolled as cadets currently in the Air Force ROTC program on a competitive basis. Depending on the particular scholarship program, selection may be made on campus by the Air Force ROTC detachment commander or at Air Force ROTC headquarters. Scholarships may be awarded for up to three and a half years of study. Students interested in these scholarships should call (859) 257-7115 for the latest information. (Freshman Students are not eligible for an ICSP until they have completed one full-time semester of college education. Typically Freshman ICSP scholarships will be given starting Spring Semester of their freshman year, and students in the program could be awarded a scholarship from Spring Semester freshman status through Spring

Semester sophomore status.

Furthermore, the **HQ AFROTC ICSP** is an in college scholarship program available to students pursuing a degree in a critical areas needed by the Air Force. These scholarships can be up to three and a half years. These scholarships are awarded on a competitive basis for those who qualify. ICSP scholarships have historically been awarded to cadets pursuing academic majors in electrical and computer engineering, nursing, and certain foreign language studies. Selections for these particular in college scholarship program are made at Air Force ROTC headquarters. Critical areas are updated every year and are subject to change without notice. For current information, call (859) 257-7115. Information is current as of January 2015 and is subject to change.

AEROSPACE STUDIES (AIR FORCE ROTC)

The Department of Aerospace Studies provides a campus education program through which qualified students can simultaneously earn an Air Force commission and a college degree. Faculty members are experienced, active duty Air Force officers with advanced degree.

Admission to the Program

- Non-scholarship freshmen and sophomores may register for Air Force Studies (AFS) courses without incurring a military commitment.
- Students with a minimum of five semesters of school remaining in a graduate or undergraduate status may qualify for Air Force ROTC. For more information, call (859) 257-7115.

Requirements

- An academic major in aerospace studies is not offered. However, by successfully completing the Air Force ROTC program, a qualified student may concurrently earn a commission as an active duty Air Force Second Lieutenant while completing requirements for a degree. Students may enroll in some Aerospace Studies courses without joining the Air Force ROTC cadet corps. For more information, call (859) 257-7115.

AFROTC Curriculum

The AFROTC curriculum consists of both academic classes and leadership laboratory or seminar classes.

- The General Military Course (GMC) is a two-year course normally taken during the freshman and sophomore years.
- The Professional Officer Course (POC) is a two-year course normally taken during the junior and senior years. Along with academic classes each semester, all cadets also take leadership laboratory classes.

In the GMC, there are four academic classes:

Freshman Semesters

- AFS 111 offered in Fall semesters
- AFS 113 offered in Spring semesters

Sophomore Semesters

- AFS 211 offered in Fall semesters
- AFS 213 offered in Spring semesters

These cover two main themes – the development of air power and the contemporary Air Force in the context of the U.S. military organization. The GMC academic classes are open to any UK student.

In the POC, there are four academic classes:

Junior Semesters

- AFS 311 offered in Fall semesters
- AFS 313 offered in Spring semesters

Senior Semesters

- AFS 411 offered in Fall semesters
- AFS 413 offered in Spring semesters

These cover Air Force management and leadership and national security studies.

NOTE: Entry into the POC years is competitive and is based on

- Air Force Officer Qualifying Test scores
- Grade-point average
- Evaluation by the AFROTC Detachment Commander
- Only physically qualified students in good academic standing may compete for entry into the POC.
- Typically, these courses are for those cadets who have already completed the courses in the GMC, but the courses are open to any UK students.

Students enrolled as cadets are required to be involved once a week in a 1-credit-hour course in the cadet corps training program designed to simulate a typical Air Force organization and its associated functions. This course is known as Leadership Laboratory. Cadets are required to take all of the Leadership Laboratories each semester (fall and spring only) concurrent with their AFS courses listed above. UK students taking the courses electively are not required to take Leadership Laboratory but are also welcome. If there are questions please refer to 859-257-7115 for further inquiries on the matter.

GMC Years:

Freshman Semesters

- AFS 112 (Fall)
- AFS 114 (Spring)

Sophomore Semesters

- AFS 212 (Fall)
- AFS 214 (Spring)

POC Years:

Junior Semesters

- AFS 312 (Fall)
- AFS 314 (Spring)

Senior Semesters

- AFS 412 (Fall)
- AFS 414 (Spring)

The leadership laboratories are largely cadet-planned and conducted under the concept that they provide leadership training experiences that will improve the cadets' capabilities as Air Force officers. This also involves three hours of physical training each week. Leadership laboratory 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 Air Force ROTC Detachment Commander.

Field Training

Field training is offered at Maxwell Air Force Base in Alabama.

Students receive officer training and leadership development with other students. Simultaneously, the Air Force has an opportunity to evaluate each student as a potential member of its officer corps. Field training courses include cadet orientation, survival training, officer training, aircraft and aircrew orientation, physical training, organizational and functional aspects of an Air Force base, career orientation, small arms familiarization, first aid, and other supplemental training.

Scholarships

Students interested in AFROTC scholarships should refer to the Student Financial Aid, Awards, and Benefits section of this Bulletin or call (859) 257-7115. Information is subject to change.

SCHOOL OF BUSINESS

Dr. William E. Davis, Associate Dean
Business and Technology Center 214
(859) 622-1574

EKU's School of Business is comprised of the Department of Accounting, Finance, and Computer Information Systems; the Department of Management, Marketing, and International Business; and the Master of Business Administration Program.

MISSION OF EKU'S SCHOOL OF BUSINESS

The School of Business creates value for our region and beyond by preparing students for successful careers in the global community. We are a school of opportunity providing a student-centered learning environment with unique and specialized business programs. Our faculty maintain expertise in their content areas through professional engagement, and quality basic, applied and pedagogical research.

VISION OF EKU'S SCHOOL OF BUSINESS

To be known for graduating the most coveted business students in the region.

GOALS OF EKU'S SCHOOL OF BUSINESS

- Provide high quality teaching
- Provide excellent advising services
- Recruit and retain faculty members who are academically or professionally qualified as defined by AACSB
- Emphasize its commitment to stewardship of place by increasing partnerships, student projects, and involvement with business, community, and educational entities



Graduates of EKU's School of Business (the undergraduate and graduate programs in business administration at Eastern Kentucky University) have joined the ranks of the nation's top business schools. EKU's School of Business, located in the College of Business and Technology, has received accreditation by the Association to Advance Collegiate Schools of Business International (AACSB) for its undergraduate and graduate programs in business administration. Less than five percent of the world's business schools have achieved this elite distinction.

AACSB International accreditation represents the highest standard of achievement for business schools worldwide and is the hallmark of excellence in business education. Institutions that earn accreditation confirm their commitment to quality and continuous improvement through a rigorous and comprehensive peer review. Founding members of the agency include many Ivy League Schools, including Columbia, Cornell, Dartmouth, Harvard and Yale; and such top-ranked schools as the University of California at Berkeley, the University of Chicago and Northwestern also hold AACSB accreditation.

To achieve accreditation, EKU's School of Business satisfied

a wide range of quality standards related to strategic management of resources, interactions of faculty and students in the educational process, and achievement of learning goals in degree programs.

BETA GAMMA SIGMA

Founded as a national organization in 1913, Beta Gamma Sigma is an international honor society that provides the highest recognition a business student anywhere in the world can receive in an undergraduate or master's program at a school accredited by AACSB International. With the global expansion of accreditation by AACSB International, membership is no longer limited to those who have studied in the U.S. or Canada.

The mission and objectives of Beta Gamma Sigma are to encourage and honor academic achievement in the study of business and personal and professional excellence in the practice of business, to foster an enduring commitment to the founding principles and values of honor and integrity, to encourage the pursuit of wisdom and earnestness, to support the advancement of business thought and practice to encourage lifelong learning, and to enhance the value of Beta Gamma Sigma for student and alumni members in their professional lives.

To be eligible for Beta Gamma Sigma, students must be in the top seven percent of the junior class, top ten percent of the senior class, or the top 20 percent of the MBA program.

BACHELOR OF BUSINESS ADMINISTRATION AND BACHELOR OF SCIENCE IN RISK MANAGEMENT AND INSURANCE 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. Student Success Seminar (BTO 100) is required in all Business programs. The requirements for the **Bachelor of Business Administration (BBA)** and the **Bachelor of Science in Risk Management and Insurance** degrees are as follows:

1. An institutional 2.0 GPA must be maintained in all work taken in the BBA and BS Risk Management and Insurance programs.
2. 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.
3. To ensure the integrity of business programs to provide a sound overall educational experience, not more than 50 percent of undergraduate course work shall be completed in the EKU's School of Business 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. Decisions to allow students to take more than 50 percent of undergraduate course work within EKU's School of Business will be made judiciously.
4. At least 50 percent of the business course credit hours required for the BBA and BS Risk Management and Insurance degrees must be completed at EKU.
5. The BBA and BS Risk Management and Insurance degrees will only accept credits for business courses at the upper

division level transferred from other colleges and universities accredited by the Association to Advance Collegiate Schools of Business International (AACSB). As completely as possible, it will apply these credits to the student's degree program. To ensure that they earn appropriate credits, students are strongly advised to see the College of Business and Technology Advising Office and also obtain the 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.

6. A "C" or better is required for the BBA programs and the B.S. in Risk Management and Insurance degree in the following courses: (See specific degree requirements for each major)

BACHELOR OF BUSINESS ADMINISTRATION

BBA Supporting Courses: CIS 212 or INF 104, ECO 230 and 231, MAT 112 or 211, and PSY 200 or 200W or SOC 131.

BBA Pre-Business Core: ACC 201, 202, GBU 204, and QMB 200.

BBA Core: CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, and MKT 300.

BACHELOR OF SCIENCE IN RISK MANAGEMENT AND INSURANCE

BS Supporting Courses: CIS 212, or INF 104; ECO 230, and MAT 112 or 211,

BS Pre-Business Core: ACC 201, 202, GBU 204, and QMB 200.

BS Risk Management and Insurance Core: CCT 300W, CIS 300, FIN 300, MGT 300, MKT 300, RMI370, and RMI374.

CCT 300W should be taken in first six hours of upper division course work. BBA 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 EKU. 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 a School of Business program. Students must meet with and have schedules approved by the academic advisor.
9. A second major can be completed in EKU's School of Business 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 EKU's School of Business. Free elective requirements for bachelor's degree programs in EKU's School of Business cannot be met by choosing courses taught in Business. (See No. 4, BBA and BS Risk Management and Insurance under degree requirements.)
10. Students choosing to double-major must declare the BBA or BS Risk Management and Insurance degree as the first major.

PREREQUISITE STRUCTURE IN EKU'S SCHOOL OF BUSINESS

EKU's School of Business 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 EKU'S SCHOOL OF BUSINESS COURSES

To enroll in the following upper-division **business-core** courses (CCT 300W, CIS 300, FIN 300, MKT 300, MGT 300, 370, and GBU 480) students must have:

1. completed ACC 201, 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 an institutional 2.0 GPA; and
3. met all specific prerequisite(s) for each 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. Students majoring in programs other than business cannot earn more than 25 percent of their total degree requirements in courses with business prefixes.

Course Repeat Policy

Courses may be repeated *once*. Second or subsequent repeats (maximum of three enrollments) must be requested on a College Exception form approved by the Dean of the College. Exceptions will only be considered under unusual circumstances. An enrollment is counted as a repeat if a previous enrollment in the course resulted in a passing or failing grade or a "W" due to withdrawing from the course.

BACHELOR OF BUSINESS ADMINISTRATION AND BACHELOR OF SCIENCE IN RISK MANAGEMENT AND INSURANCE

The Department of Accounting, Finance, and Information Systems provides a Bachelor of Business Administration and a Bachelor of Science in Risk Management and Insurance which offer unique programs of study. The BBA and BS in Risk Management and Insurance are the only undergraduate insurance degrees in Kentucky. Students in these programs must meet prerequisites as noted.

BACHELOR OF SCIENCE IN BUSINESS AND MARKETING EDUCATION/TEACHING

The Department of Management, Marketing, and International

Business, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in grades 5-12. 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 International Business.

Business and Marketing Education/Teaching requires all students to meet the general education knowledge for initial teacher preparation requirements (see College of Education section of this *Catalog*).

TRANSFER STUDENTS AND STUDENTS FROM OTHER EKU COLLEGES

BBA and BS program requirements for transfer students are the same as those for students enrolling initially at EKU. 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.

EKU's School of Business considers lower-division credits transferred to EKU as lower division, even if EKU 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 EKU 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. Oliver Feltus
(859) 622-1087

Business and Technology Center 108

Faculty

L. Barthel, B. Christensen, G. Crowley, A. Elnahas, Z. Eser, O. Feltus, S. Feltus, S. Gao, M. Hawksley, M. Holbrook, P. Isaacs, C. Lin, R. Mahaney, T. Randles, and B. Woodruff

BACCALAUREATE DEGREES

BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.) ACCOUNTING CIP Code: 52.0301

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs) 1 hour
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT -Accounting majors will fulfill ACCT with GBU 480. (Credit hours may be incorporated into Major or Supporting Requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core 12 hours
ACC 201, 202, GBU 204, and QMB 200.

Business Core..... 21 hours
CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, and MKT 300.

Major Core 15 hours
ACC 251, ACC 301, ACC 302; ACC 327, and ACC 441.

Concentrations (select one):

Public Accounting Concentration..... 12 hours
ACC 322 or 322S and nine hours from ACC 349 (maximum of three hours toward concentration requirements), 425, 440, 490, 501, 521, 523, 525, or 590, or a non-accounting course approved by advisor.

Management Accounting Concentration 18 hours
Fifteen hours: ACC 349 (maximum of three hours toward concentration requirements), 523, 527, AEM 202, and AEM 308.

Three hours from ACC 322 or 322S, 490, 501, 521, 525, 590, AEM 332, 506, CIS 335, 430, FIN 301, 330, 410, MGT 375, 430 or other upper-level course approved by advisor.

Supporting Course Requirements 9 hours

MAT 112 (^GElement 2) or 211(^GElement 2); CIS 212 or INF 104; ECO 230 (^GElement 5B), and 231; PSY 200 (^GElement 5B), 200W (^GElement 5B) or SOC 131 (^GElement 5B).

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education Requirement above.

Free Electives (non-business courses).....8-14 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
COMPUTER INFORMATION SYSTEMS**
CIP Code: 52.1201

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(BTO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Computer Information System majors will fulfill ACCT using GBU 480. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses

- Pre-Business Core** 12 hours
ACC 201, 202; GBU 204; QMB 200.
- Business Core**..... 21 hours
CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, MKT 300.

Major Core 18 hours

CIS 215, 335, 340, 375, 380, 410.

Concentrations (select one):

General Computer Information Systems

Concentration 9 hours
Nine hours from CIS 320, 325, 349 (up to a maximum of three hours), 420, 430, 475, or an upper-division course approved by the department.

Network Management Concentration..... 9 hours

Three hours from CIS 420 or 475, three hours from NET 343, 354 or 403, and three hours from one of the following (CIS 349, 420, 475, NET 343, 354, 403), or an upper-division course approved by the department.

Supporting Course Requirements..... 12 hours

CIS 240; CIS 212 or INF 104; ECO 230 (^gElement 5B), 231 (^gElement 5B); MAT 112 (^gElement 2) or 211 (^gElement 2); PSY 200 (^gElement 5B) or 200W (^gElement 5B) or SOC 131 (^gElement 5B).

(^g = Course also satisfies a General Education element.

Hours are included within the 36 hour General Education requirement above. A maximum of 3 credit hours can be used toward Element 5B.)

Free Electives (non-business)..... 11 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
FINANCE**
CIP Code: 52.0801

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(BTO 100; waived for transfers with 30+ hrs)

- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT -Finance majors will fulfill ACCT with GBU 480. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core 12 hours
ACC 201, 202; GBU 204; QMB 200.

Business Core..... 21 hours
CCT 300W; CIS 300; FIN 300; GBU 480; MGT 300, 370; MKT 300.

Finance Requirements 30 hours

FIN 201, 301; and one of the following concentrations:

Managerial Finance Concentration:

ACC 301, 302, 327; FIN 310, 330, 410, 424; three hrs from ACC 322, 425, 501, 525, FIN 311, 324, 349, 420.

Financial Planning Concentration:

ACC 322; FIN 311, 324, 420; RMI 370, 374, 474; three hrs from FIN 310, 330, 349, 410, 424, RMI 380.

Supporting Course Requirements 9 hours

CIS 212 or INF 104; ECO 230(^gElement 5B), 231; MAT 112 (^gElement 2) or 211(^gElement 2); PSY 200 or 200W or SOC 131.

^g = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives (non-business courses) 11 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
RISK MANAGEMENT AND INSURANCE**
CIP Code: 52.1701

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(BTO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Risk Management and Insurance B.B.A. majors will fulfill ACCT with GBU 480. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core 12 hours

ACC 201, 202; GBU 204; QMB 200.

Business Core..... 21 hours
CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, MKT300.

Risk Management and Insurance Requirements..... 27 hours
RMI 370, 372, 374, and 378; 15 additional hours of Risk Management and Insurance electives may be taken from the following: RMI 349—up to a maximum of six hours, RMI 376, 380, 382, 460, 462, 472, 474, 476, 486 and RMI 400—up to a maximum of six hours total, RMI 490—up to a maximum of six hours; TRS 332, GBU 310, 311, MGT 330, MKT 310, FIN 201, FIN 310, 311, 324, 390S, or advisor approved electives.

Supporting Course Requirements 9 hours
CIS 212 or INF 104; ECO 230 (^GElement 5B), and 231; MAT 112 (^GElement 2) or 211 (^GElement 2); PSY 200 (^GElement 5B) or 200W(^GElement 5B) or SOC 131 (^GElement 5B). (^G = Course also satisfies a General Education element. Hours are included within the 36 hour General Education requirement above. A maximum of three credit hours will count toward Element 5B.)

Free Electives (non-business) 14 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
RISK MANAGEMENT AND INSURANCE
CIP Code: 52.1701**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(BTO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Risk Management and Insurance B.S. majors will fulfill ACCT with RMI378. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core 12 hours
ACC 201, 202, GBU 204, and QMB 200.

Business Core..... 21 hours
CCT 300W, CIS 300, FIN 300, RMI 370, 374, MGT 300, and MKT 300.

Risk Management and Insurance Requirements..... 21 hours
RMI 372, 378; and 15 hours from RMI 349 (1-6 hours), 376, 380, 382, 400 (up to a maximum of six hours), 460, 462, 472, 474, 476, 486, 490 (1-6 hours), or any upper division RMI course not taken as part of major requirements, GBU 310, 311, MGT 330, MKT 310, TRS 332, FIN 201, FIN 310, 311, 390S, or advisor approved electives.

Supporting Course Requirements 3 hours
CIS 212 or INF 104; ECO 230 (^GElement 5B); MAT 112 (^GElement 2) or 211(^GElement 2).

(^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

Free Electives 26 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

MINORS

MINOR IN COMPUTER INFORMATION SYSTEMS

A minor in computer information systems is offered for students in both business and non-business programs. The minor consists of 18 hours of computer information systems courses including CIS 215, 240, 335, 375, 380, and three hours of upper-division courses approved by the department. At least 12 hours of the minor must be earned at EKU. Students pursuing the computer information systems minor must maintain a 2.25 GPA on all work counting toward the minor.

MINOR IN BANKING AND FINANCIAL SERVICES

Designed to provide students with an understanding of monetary policy and its impact on our economy, global financial markets and the structure and operation of financial institutions. This coursework will prepare students to understand current events related to financial markets and institutions, how to optimally utilize the corporate and consumer products and services provided by financial institutions and management of financial institutions. This minor includes the following courses:

Total Requirements.....**24 hours**
ACC 201, ECO 231, 324, FIN 201, 304, 310, 315, 437

MINOR IN RISK MANAGEMENT AND INSURANCE

The minor consists of 18 hours including three hours of a required accounting course, nine hours of required Risk Management and Insurance courses and six hours of approved Risk Management and Insurance electives.

Students must earn at least 12 of the 18 hours used for the minor in residence at EKU and must maintain a cumulative GPA of 2.0 in all courses comprising the minor.

Requirements.....**18 hours**
ACC 201, RMI 370, RMI 372, RMI 374, plus six hours of approved upper-division (300 or 400 level) RMI electives.

MINOR IN PERSONAL FINANCE

Designed to prepare students to make informed financial decisions regarding investments, mortgages, loans, retirement planning, etc. Students minoring in personal finance must earn at least 12 hours of the total hours at EKU and maintain a cumulative GPA of 2.0 in all courses comprising the minor. This minor includes the following courses:

Requirements
ACC 201, 322; FIN 201, 311, 324; RMI 370
Total Requirements.....**18 hours**

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, at least 15 of the 30 hours in the major requirements must be earned at EKU, students pursuing the Certificate in Accounting must earn a "C" or better in all courses comprising the certificate, and completion of the following courses:

- Supporting Course Requirements.....15 hours**
 CIS 212, ECO 230, and GBU 204; MAT 112 or 211; QMB 200.
- Major Requirements.....30 hours**
 ACC 201, 202, 251, 301, 302, 322, 327, 440, 441, and three hours from 400-500 level Accounting courses.
- Total Curriculum Requirements45 hours**

CERTIFICATE IN FINANCIAL LITERACY

The Certificate in Financial Literacy prepares students for training youth and adults for their financial literacy needs. This certificate includes 12 hours of required courses.

- Requirements.....12 hours**
 FIN 201, 310, 311, 390S

**DEPARTMENT OF MANAGEMENT,
 MARKETING, AND
 INTERNATIONAL BUSINESS**

Interim Chair

Dr. Weiling Zhuang
 (859) 622-1377

Business and Technology Center 11

Faculty

L. Allison, F. Awang, P. Boutin, L. Carnes, T. Caviness, K. Cumiskey, K. Easterling, A. Engle, M. Fore, K. Kincer, K. King, R. Lingenfelder, T. Martin, J. Oh, B. Polin, M. Roberson, M. Robles, J. Spain, K. Tabibzadeh, Q. Xiao, Z. Zhang and W. Zhuang.

BACCALAUREATE DEGREES

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
 GENERAL BUSINESS**
CIP Code: 52.0101

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
 - Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.).....1 hour
 - Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
 - Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
 - ACCT - General Business majors will fulfill ACCT with GBU 480. (Credit hours will be counted in Major requirements)
- Total Hours University Graduation Requirements.....37 hours**

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core.....12 hours
 ACC 201, 202; GBU 204; QMB 200.

Business Core.....21 hours
 CCT 300W; CIS 300; FIN 300; MGT 300, 370; MKT 300; GBU 480.

General Business Concentrations:

General Business.....30 hours
 GBU 101, GBU 201; MGT 340; three hours in MKT 306, 309, 310, 350, 400, 401, or 435; three hours in FIN 301, 302, 304, 310, 311, 324, or 330; three hours in MGT 320, 330, 406, 430, or 470; one approved upper-division course from FIN, MKT, or MGT; nine hours of approved business electives from the following prefixes: ACC, CCT, CIS, FIN, GBU, MGT, MKT, RMI.

International Business.....33 hours
 GBU 101, 201; MGT 340; six hours of foreign language; CCT 310; FIN 330; MGT 430; MKT 400; six hours of business credit which will include course of study and/or internship in a foreign country.

Exemptions from the foreign study requirement are available only with the chairperson approval. International students may choose to fulfill this requirement through internships,

cooperative education, or approved upper-division courses in business or economics (ECO 394).

Global Supply-Chain Management33 hours
 GBU 101, 201; MGT 340, 375, 430, 435; MKT 315, 400, 431, CIS 380, and three hours of approved business electives from: ACC, CCT, CIS, FIN, GBU, MGT, MKT, RMI, or International Economics (ECO 394).

Corporate Communication and Technology33 hours
 CCT 270, 304S, 310, 550, 570, GBU 101, 201, MGT 340, and 480; three hours from: MKT 309, 400, or 401; 3 hrs from: MGT 320, 330, or 465.

Supporting Course Requirements.....9 hours
 CIS 212 or INF 104; ECO 230 (^GElement 5B), and 231; MAT(^GElement 2) 112 or 211; PSY 200, 200W or SOC 131.
^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives8-11 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
 MANAGEMENT**
CIP Code: 52.0201

UNIVERSITY GRADUATION REQUIREMENTS

- General Education 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Management majors will fulfill ACCT with GBU 480. (Credit hours will be counted in Major requirements)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core 12 hours
 ACC 201, 202, GBU 204, and QMB 200.

Business Core.....21 hours
 CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, and MKT 300.

Approved Business Electives..... 3-6 hours

Three to six hours from the following prefixes: ACC, CCT, CIS, FIN, GBU, INS, MGT, MKT.

Management Requirements:

Management Concentration 27 hours
 GBU 101, MGT 320, 340, 400, 480, and 12 hours of upper division Management (MGT) electives (excludes MGT 300, 301, 349, 370).

Free Electives..... 5 hours

Human Resource Management Concentration.. 27 hours
 GBU 101, MGT 320, 340, 400, 480, MGT 410, 425, 440, and 445.

Free Electives..... 5 hours

Entrepreneurship Concentration 33 hours
 CCT 270, 304S, GBU 101, MGT 320, 330, 340, 349, 445, 465, 480, and MKT 435.

Free Electives..... 2 hours

Supporting Course Requirements 9 hours

CIS 212 or INF 104; ECO 230 (^GElement 5B), and 231; MAT 112 (^GElement 2) or MAT 211(^GElement 2); PSY 200, 200W or SOC 131.

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
 MARKETING**
CIP Code: 52.1401

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Marketing majors will fulfill ACCT with GBU 480. (Credit hours will be counted in Major requirements)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core.....12 hours
 ACC 201, 202; GBU 204; QMB 200.

Business Core.....21 hours
 CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, MKT 300.

Marketing Requirements:

General Marketing Concentration.....30 hours
 GBU 101, MGT 340, MKT 350, 400, 455, 460 and 12 hours of approved upper division marketing electives (excludes MKT 300 and MKT 349).

Music Marketing Concentration.....33 hours
 GBU 101, MGT 340, MUS 190(2), 191(2), 290(2), 390(3), 391(3), and 15 hours from the following courses: MGT 330, MKT 306, 310, 349, 400, 401, 404, or 420.

Marketing Research and Analytics Concentration....30 hours
 CIS 430, GBU 101, MGT 340, MKT 350, 400, 455, 456, 457, 460, 481.

PGA Golf Management Concentration.....47.5 hours
 GBU 101; MGT 201, 202, 203, 204, 205, 206, 207, 208(2); MKT 310, 350, 405, 455; PGM 349A-E(2,5); additional requirements: NFA 449, OHO 351(4).

Exit Requirements for PGA Concentration:

- PGM 100 (completion of the PGA Playing Ability Test)....0 hrs
- PGM 199 (completion of Level 1 of PGA Education).....0 hrs
- PGM 299 (completion of Level 2 of PGA Education).....0 hrs
- PGM 399 (completion of Level 3 of PGA Education).....0 hrs
- PGM 499 (completion of PGA Final Experience)0 hrs

Supporting Course Requirements.....9 hours

CIS 212 or INF 104; ECO 230 (^GElement 5B), 231; MAT 112 (^GElement 2) or 211(^GElement 2); PSY 200 or 200W or SOC 131; and MUH 273 (^GElement 3A)(required only for Music Marketing students).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3-11 hours
May include three hours approved business electives. Upper Division electives may be required to meet the University 43 hour upper division requirement. (Music Marketing Concentration: recommend BEM 240 and other business courses as electives, up to 50% of program).

TOTAL HOURS TO COMPLETE DEGREE...120-129.5 hours

**BACHELOR OF SCIENCE (B.S.)
BUSINESS AND MARKETING EDUCATION/
TEACHING
CIP Code: 13.1303**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Business and Marketing Teaching majors will fulfill ACCT with ESE 499. (Credit hours will be counted in Professional Education requirements below.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Business Core..... 18 hours
CCT 300W, CIS 300, FIN 300, GBU 204, MGT 300, and QMB 200.

Major Core 27 hours
ACC 201, 202, CCT 270, 304S, 570, GBU 101, MGT 340, MKT 300, and three hours from: MKT 310, 400, or 435.

Professional Education Requirements 37 hours
EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, 490, ESE 573, SED 104 (^GElement 6), and 12 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

Supporting Course Requirements 6 hours
CIS 212 or INF 104; ECO 230 (^GElement 5B), and 231; MAT 112 (^GElement 2) or 211(^GElement 2).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3 hours
TOTAL HOURS TO COMPLETE DEGREE 128 hours

Candidates earning a degree that leads to teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams as a requirement for graduation. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (<http://www.kyepsb.net/assessment/index.asp> AND www.ets.org/praxis). Specialty exams are required for each certification area sought and

it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams.

MINORS

MINOR IN BUSINESS

The Business Minor is offered for students majoring in programs other than 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, 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 EKU and attain a cumulative GPA of 2.0 in all courses comprising the minor.

Required Courses.....18 hours
ACC 201, 202 and four courses from the following:
CCT 300W, CIS 300, FIN 300, GBU 204, MGT 300, MKT 300.

Supporting Course.....3 hours
ECO 230.

Total Requirements.....21 hours

MINOR IN ENTREPRENEURSHIP

The Entrepreneurship Minor is offered to students majoring in programs other than business who have a desire to obtain basic business knowledge and skills related to starting their own business or possibly assuming management of an existing business (family-owned, for example). The program consists of 15 hours of required courses and six hours of electives from specified business courses. To enroll in a 300-level business course, students must have completed a minimum of 60 hours and have met the prerequisites of the specific course. Students must earn at least 12 of the total hours used for the minor in Entrepreneurship at EKU and attain a cumulative GPA of 2.0 in the minor.

Required Courses.....15 hours
CCT 270, 304S, MGT 301, 330, 465

Business Elective.....6 hours
Choose two courses from one of the following options:
Quantitative—Choose two of the following courses:
ACC 201, 202, FIN 310.
OR
Qualitative—Choose two of the following courses:
GBU 204, MKT 301, MKT 380

Total Requirements.....21 hours

MINOR IN INTERNATIONAL BUSINESS

The International Business Minor is offered to students majoring in programs other than business who have a desire to gain knowledge in international business and experience business courses through study abroad. To enroll in a 300-level business course, students must have completed a minimum of 60 hours and have met the prerequisites of the specific course. Students must earn at least 12 of the 18 hours for the International Business Minor at EKU and earn a C in each of the minor courses.

Required Courses.....18 hours

CCT 310, GBU 201, MGT 301, 430, and six hours of business credit from approved courses studied and completed abroad.

CERTIFICATES

CERTIFICATE IN CORPORATE COMMUNICATION

The Certificate in Corporate Communication is offered for all undergraduate students who need to increase their professional communication effectiveness in their field of study. The Certificate is designed to provide training in international communication, oral and written business presentations, research and reporting, and production of business publications. 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 stakeholders during crisis. Students pursuing the Certificate in Corporate Communication must earn a “C” or better in all courses comprising the certificate. The Certificate consists of the following courses with 50 percent taken in residence at EKU:

Requirements 9 hours
 CCT 201 or 300W; CCT 310, and 550/750.

CERTIFICATE IN GLOBAL SUPPLY CHAIN MANAGEMENT

The Certificate in Global Supply Chain Management is offered for all undergraduate students who need to increase their quantitative and analytical skills in context of problems that firms face in the core supply chain areas of Planning, Sourcing, Making, and Delivering. The growth in globalization has led to firms competing on multiple aspects - multi-focused planning, competitive sourcing of inputs, streamlined manufacturing, and efficient delivery to customers. As such there is tremendous need for strong supply chain management skills. The Certificate is designed to provide training in the key areas above.

Furthermore, students will be involved in quantitative analysis of comparing various scenarios and understanding multiple elements of total supply chain cost. Students will be prepared to address the needs of businesses and organizations across all industries, both domestically and internationally. Students pursuing the Certificate in Global Supply Chain Management must earn a “C” or better in all courses comprising the certificate. The Certificate consists of the following courses with 50 percent taken in residence at EKU:

Certificate Requirements

Core Courses:

- MGT 370* (Operations Management).....3 hours
- MGT 375* (Supply Chain Management).....3 hours
- MKT 315* (Logistics).....3 hours
- MKT 431* (Strategic Procurement).....3 hours

*Course prerequisites exist. See course listing in the back of this catalog for details.

Residency:

- 50% of coursework must be taken in residence at EKU

Total Curriculum Requirements.....12 hours

CERTIFICATE IN MARKETING RESEARCH AND ANALYTICS

The Certificate in Marketing Research and Analytics is offered for all undergraduate students who need to increase their research and analytical skills in their field of study in the context of

problems that firms face. The growth in technology has allowed for firms to capture more information than ever, and as such the need for strong marketing research and analytical skills is one of the fastest growing jobs in industry. The Certificate is designed to provide training in the marketing research process, marketing research methodology with particular emphasis on both qualitative and quantitative analysis techniques including multivariate data analysis, qualitative research, and experimental design.

Furthermore, students will be involved in the research process with hands-on projects and gain valuable research experience that will prepare them to address the needs of businesses and organizations across all industries. Students pursuing the Certificate in Marketing Research and Analytics must earn a “C” or better in all courses comprising the certificate. The Certificate consists of the following courses with 50 percent taken in residence at EKU:

Total Curriculum Requirements 12 hours
 MKT 300 or 301; MKT 455, 456, and 457.

CERTIFICATE IN SALES

The Certificate in Sales is offered for all undergraduate students who are interested in a rewarding sales career. The courses in this certificate go beyond theory, providing students valuable skills to help them be successful in real sales environments. The courses are taught using a combination of lectures, hands-on exercise, business cases, projects, and role playing. This certificate will serve as solid evidence of a professional training in sales for company recruiters. Students pursuing the Certificate in Sales must earn a “C” or better in all courses comprising the certificate. The Certificate consists of the following courses:

Total Curriculum Requirements.....12 hours
 MKT 300 or 301, 310, 408, 431

CONCENTRATIONS

PRE-BUSINESS CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Pre-Business Concentration requirements listed in the Associate of Arts in General Studies degree section.

DEPARTMENT OF ACCOUNTING, FINANCE, AND INFORMATION SYSTEMS

ACCOUNTING B.B.A - MANAGERIAL ACCOUNTING CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	ACC 301 3	ACC 349 3
Gen. Ed. E-2 3	ECO 230 3	ACC 327 3	MGT 370 3
(MAT 112 or 211)	Gen. Ed. E-4 3	CCT 300W 3	AEM 308 3
Gen. Ed. E-5B 3	Gen. Ed. E-3B 3	CIS 300 3	Free Elective(non-business).. 3
(PSY 200 or SOC 131)	Gen. Ed. E-6 3	MGT 300 3	Option Elective 3
Gen. Ed. E-1A (ENG 101) 3	Total 15	BTS 300 0	Total 15
Free Elective 3		Total 15	
CIS 212 or INF 104 3			
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	ACC 302 3	ACC 441 3
Gen. Ed. E-1B (ENG 102) 3	ACC 251 3	ECO 231 3	ACC 523 3
Gen. Ed. E-4 3	GBU 204 3	FIN 300 3	ACC 527 3
Gen. Ed. E-3A 3	Gen. Ed. E-1C 3	MKT 300 3	GBU 480 3
Gen. Ed. E-5A 3	Gen. Ed. E-6 3	AEM 202 3	Free Elective(non-business).. 2
Total 15	Total 15	Total 15	BTS 400 0
			Total 14

ACCOUNTING B.B.A - PUBLIC ACCOUNTING CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	ACC 301 3	ACC 322 3
MAT 112 or 211 3	ECO 230 3	ACC 327 3	ACC Electives 6
PSY 200 or SOC 131 3	Gen. Ed. E-4 3	CCT 300W 3	MGT 370 3
Gen. Ed. E-1A (ENG 101) 3	Gen. Ed. E-3B 3	CIS 300 3	Free Elective(non-business).. 3
Free Elective 3	Gen. Ed. E-6 3	MGT 300 3	Total 15
CIS 212 or INF 104 3	Total 15	BTS 300 0	
Total 16		Total 15	
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	ACC 302 3	ACC 441 3
Gen. Ed. E-1B (ENG 102) 3	ACC 251 3	ECO 231 3	ACC Elective 3
Gen. Ed. E-4 3	GBU 204 3	FIN 300 3	GBU 480 3
Gen. Ed. E-3A 3	Gen. Ed. E-1C 3	MKT 300 3	Free Elective(non-business).. 5
Gen. Ed. E-5A 3	Gen. Ed. E-6 3	Free Elective(non-business).. 3	BTS 400 0
Total 15	Total 15	Total 15	Total 14

COMPUTER INFORMATION SYSTEMS B.B.A. - GENERAL CIS CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	CIS 335 3	CIS 380 3
Gen. Ed. E-2 (MAT 112) 3	ECO 230 3	CIS 375 3	MGT 370 3
Gen. Ed. E-5B 3	CIS 215 3	CCT 330W 3	MKT 300 3
(PSY 200 or SOC 131)	Gen. Ed. E-3B 3	FIN 300 3	Major Elective 3
CIS 212 or INF 104 3	Gen. Ed. E-5A 3	MGT 300 3	Gen. Ed. E-6 3
Gen. Ed. E-1A (ENG 101) 3	Total 15	BTS 300 0	Total 15
Free Elective 3		Total 15	
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	CIS 300 3	CIS 410 3
CIS 240 3	ECO 231 3	CIS 340 3	GBU 480 3
Gen. Ed. E-1B (ENG 102) 3	GBU 204 3	Major Elective 3	Major Elective 3
Gen. Ed. E-3A 3	Free Elective(non-business).. 3	Gen. Ed. E-6 3	Free Elective (non-business). 5
Gen. Ed. E-4 3	Gen. Ed. E-1C 3	Gen. Ed. E-4 3	BTS 400 0
Total 15	Total 15	Total 15	Total 14

BUSINESS AND TECHNOLOGY

COMPUTER INFORMATION SYSTEMS B.B.A. - NETWORK MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	CIS 335..... 3	CIS 380 3
Gen. Ed. E-2 (MAT 112)..... 3	ECO 230..... 3	CIS 375..... 3	MGT 370 3
Gen. Ed. E-5B 3	CIS 215 3	CCT 330W..... 3	MKT 300..... 3
(PSY 200 or SOC 131)	Gen. Ed. E-3B 3	FIN 300..... 3	Major Elective..... 3
CIS 212 or INF 104 3	Gen. Ed. E-5A 3	MGT 300..... 3	Gen. Ed. E-6..... 3
Gen. Ed. E-1A (ENG 101)..... 3	Total 15	BTS 300 0	Total 15
Free Elective 3		Total 15	
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	CIS 300 3	CIS 410..... 3
CIS 240 3	ECO 231 3	CIS 340 3	GBU 480 3
Gen. Ed. E-1B (ENG 102) 3	GBU 204 3	CIS 475 3	Free Elective (non-business) .5
Gen. Ed. E-3A 3	Free Elective (non-business) .3	NET 343 or 354 or 403..... 3	Gen. Ed. E-6..... 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-4..... 3	BTS 400 0
Total 15	Total 15	Total 15	Total 14

FINANCE B.B.A. - FINANCIAL PLANNING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	FIN 300..... 3	MGT 370 3
Gen. Ed. E-2 (MAT 112)..... 3	ECO 230..... 3	FIN 311..... 3	FIN 324 3
FIN 201 3	Gen. Ed. E-4..... 3	ACC 322 3	Insurance/Finance Elective ..3
CIS 212 OR INF104 3	Gen. Ed. E-3B 3	MGT 300..... 3	RMI 374 3
Gen. Ed. E-5B 3	Gen. Ed. E-1C..... 3	CCT 300W 3	Gen. Ed. E-6..... 3
(PSY 200 OR SOC 131)	Total 15	BTS 300 0	Total 15
Gen. Ed. E-1A (ENG 101)..... 3		Total 15	
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	FIN 301 3	GBU 480 3
Gen. Ed. E-1B (ENG 102) 3	ECO 231 3	RMI 370 3	FIN 420..... 3
Gen. Ed. E-4..... 3	GBU 204 3	MKT 300..... 3	RMI 474 3
Gen. Ed. E-3A 3	Free Elective (non-business) .6	CIS 300 3	Free Elective (non-business) .2
Gen. Ed. E-5A 3	Total 15	Free Elective (non-business) .3	Gen. Ed. E-6..... 3
Total 15		Total 15	BTS 400 0
			Total 14

FINANCE B.B.A. - MANAGERIAL FINANCE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	FIN 300..... 3	ACC 327 3
Gen. Ed. E-2 (MAT 112)..... 3	ECO 230..... 3	FIN 310 3	FIN 410 3
FIN 201 3	Gen. Ed. E-4..... 3	ACC 301 3	FIN 330..... 3
CIS 212 OR INF 104 3	Gen. Ed. E-3B 3	MGT 300..... 3	MGT 370 3
Gen. Ed. E-5B 3	Gen. Ed. E-1C..... 3	CCT 300W 3	Gen. Ed. E-6..... 3
(PSY 200 OR SOC 131)	Total 15	BTS 300 0	Total 15
Gen. Ed. E-1A (ENG 101)..... 3		Total 15	
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
QMB 200 3	ACC 202 3	FIN 301 3	GBU 480 3
Gen. Ed. E-1B (ENG 102) 3	ECO 231 3	ACC 302 3	FIN 424 3
Gen. Ed. E-4..... 3	GBU 204 3	MKT 300..... 3	Accounting/Finance Elective 3
Gen. Ed. E-3A 3	Free Elective (non-business) .6	CIS 300 3	Free Elective (non-business) .2
Gen. Ed. E-5A 3	Total 15	Free Elective (non-business) .3	Gen. Ed. E-6..... 3
Total 15		Total 15	BTS 400 0
			Total 14

RISK MANAGEMENT AND INSURANCE B.B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	FIN 300..... 3	RMI 378 3
Gen. Ed. E-2 (MAT 112)..... 3	ECO 230..... 3	MGT 300..... 3	RMI Elective 6
Gen. Ed. E-3A 3	Gen. Ed. E-4..... 3	CCT 300W 3	RMI 374 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-5B 3	RMI 370 3	MGT 370 3
CIS 212 or INF 104 3	(PSY 200 or SOC 131)	Gen. Ed. E-6..... 3	Total 15
Free Elective 3	Gen. Ed. E-1C..... 3	BTS 300 0	
Total 16	Total 15	Total 15	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) 3	ACC 202 3	RMI 372 3	GBU 480 3
Gen. Ed. E-3B 3	ECO 231 3	RMI Elective 3	RMI Elective 6
Gen. Ed. E-4..... 3	GBU 204 3	MKT 300..... 3	Free Elective (non-business). 5
Gen. Ed. E-5A 3	Gen. Ed. E-6..... 3	Free Elective (non-business). 3	BTS 400 0
QMB 200 3	Free Electives (non-business) 3	CIS 300 3	Total 14
Total 15	Total 15	Total 15	

RISK MANAGEMENT AND INSURANCE B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	ACC 201 3	FIN 300..... 3	RMI 378 3
Gen. Ed. E-2 (MAT 112)..... 3	Gen. Ed. E-5B (ECO 230)..... 3	MGT 300..... 3	RMI 374 3
Gen. Ed. E-3A 3	Gen. Ed. E-4..... 3	CCT 300W 3	Gen. Ed. E-6..... 3
Gen. Ed. E-1A (ENG 101)..... 3	Free Elective (non-business). 3	RMI 370 3	RMI Elective 6
CIS 212 or INF 104 3	Gen. Ed. E-1C..... 3	Free Elective (non-business). 3	Total 15
Free Elective 3	Total 15	BTS 300 0	
Total 16		Total 15	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) 3	ACC 202 3	RMI 372 3	RMI Elective 6
Gen. Ed. E-3B 3	GBU 204 3	RMI Elective 3	Free Elective (non-business). 8
Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3	MKT 300..... 3	BTS 400 0
Gen. Ed. E-5A 3	Free Electives (non-business) 6	Free Elective (non-business). 3	Total 14
QMB 200 3	Total 15	CIS 300 3	
Total 15		Total 15	

DEPARTMENT OF AGRICULTURE

AGRICULTURE B.S. - AGRIBUSINESS MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 1	AGR 340 3	AGR 304 4	AGR 499 or 509 Capstone..... 3
AGR 125 3	AGR 301 1	AGR 305..... 1	AGR 440 3
AGR 126 1	Gen. Ed. E-4 (CHE 101)..... 3	AGR 310 3	AGR/OHO Elective..... 3
AGR 115..... 2	Gen. Ed. E-4 (CHE 101L)..... 1	AGR 301..... 1	AGR/OHO Specialty..... 3
Gen. Ed. E-2 (MAT 105+)..... 3	Gen. Ed. E-5B (ECO 230)..... 3	AGR 409 3	Free Elective 3
Gen. Ed. E-4..... 4	Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-6..... 3	Total 15
(BIO 111 or 112)	Total 14	Total 15	
Total 14			
Second Semester	Second Semester	Second Semester	Second Semester
AGR 130 3	AGR 215 3	AGR 350..... 3	AGR 411 Senior Seminar 1
AGR 131..... 1	AGR 216 1	Gen. Ed. E-3..... 3	AGR/OHO Specialty..... 3
Gen. Ed. E-1A (ENG 101)..... 3	AGR 308 3	AGR/OHO Specialty..... 3	AGR/OHO Elective..... 6
AGR 213 3	Gen. Ed. E-6..... 3	AGR/OHO Elective..... 3	Free Electives..... 4
CIS 212 , INF 104, or CCT 201. 3	Gen. Ed. E-1C 3	ACC 201 3	BTS 400 0
Gen. Ed. E-5A 3	Gen. Ed. E-3B 3	AGR 349..... 1	Total 14
Total 16	Total 16	Total 16	

AGRICULTURE B.S. - AGRICULTURE ENERGY SYSTEMS MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	AGR 340 .....3	AGR 311.....2	AGR 383.....3
AGR 125 .....3	AGR 301.....1	AGR 305.....1	AGR 570.....3
AGR 126 .....1	Gen. Ed. E-4 (CHE 101).....3	AGR 301.....1	EET 257.....3
AGR 115.....2	Gen. Ed. E-4 (CHE 101L).....1	AGR 409 .....3	AGR 362.....2
Gen. Ed. E-2.....3	Gen. Ed. E-5B (ECO 230).....3	Gen. Ed. E-6.....3	GEO 456.....3
(MAT 105 or higher)	Gen. Ed. E-1B (ENG 102) .....3	Free Electives.....6	Total .....14
Gen. Ed. E-4 (BIO 111 or 112) ..4	Total .....14	Total .....16	
Total .....14			
Second Semester	Second Semester	Second Semester	Second Semester
AGR 130 .....3	AGR 215 .....3	AGR 319 .....3	AGR 411 Senior Seminar .....1
AGR 131.....1	AGR 216 .....1	Gen. Ed. E-3A.....3	AGR/OHO Elective.....4
Gen. Ed. E-1A (ENG 101).....3	AGR 308 .....3	AGR 381 .....3	AGR/OHO Elective.....3
AGR 213 .....3	Gen. Ed. E-6.....3	ACC 201 .....3	Free Electives.....3
CIS 212, INF 104 or CCT 201...3	Gen. Ed. E-1C.....3	AGR 349.....1	BTS 400 .....0
Gen. Ed. E-5A .....3	(CMS 100 or 210)	GEO 353.....3	AGR 499 or 509 Capstone.....3
Total .....16	Gen. Ed. E-3B .....3	Total .....16	Total .....14
	Total .....16		

AGRICULTURE B.S. - AGRONOMY, SOILS, AND NATURAL RESOURCES CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	AGR 340 .....3	AGR 304 .....4	AGR 499 or 509 Capstone.....3
AGR 125 .....3	AGR 301.....1	AGR 305.....1	AGR 416 .....3
AGR 126 .....1	Gen. Ed. E-4 (CHE 101).....3	AGR 312 .....4	AGR 430 .....3
AGR 115.....2	Gen. Ed. E-4 (CHE 101L).....1	Gen. Ed. E-6.....3	Free Electives.....6
Gen. Ed. E-2 (MAT 105 +).....3	Gen. Ed. E-5B (ECO 230).....3	AGR 301 .....1	Total .....15
Gen. Ed. E-4 (BIO 111 or 112) ..4	Gen. Ed. E-1B (ENG 102) .....3	AGR 409 .....3	
Total .....14	Total .....14	Total .....16	
Second Semester	Second Semester	Second Semester	Second Semester
AGR 130 .....3	AGR 215 .....3	AGR 345.....3	AGR 411 Senior Seminar .....1
AGR 131.....1	AGR 216 .....1	AGR/OHO Elective.....3	Free Electives.....3
Gen. Ed. E-1A (ENG 101).....3	AGR 308 .....3	ACC 201 .....3	AGR 404 .....3
AGR 213 .....3	Gen. Ed. E-6.....3	AGR 349.....1	AGR/OHO Elective.....6
CIS 212, INF 104, or CCT 201...3	Gen. Ed. E-1C.....3	GEO 353.....3	BTS 400 .....0
Gen. Ed. E-5A .....3	Gen. Ed. E-3B .....3	Gen. Ed. E-3A.....3	Total .....13
Total .....16	Total .....16	Total .....16	

AGRICULTURE B.S. - ANIMAL SCIENCE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	AGR 225 .....3	AGR 340 .....3	Animal Production Selection...4
AGR 125 .....3	AGR 301.....1	AGR 304 .....4	AGR 321 .....4
AGR 126 .....1	Gen. Ed. E-4 (CHE 101).....3	AGR 305.....1	Animal Science Selection .....3
AGR 115.....2	Gen. Ed. E-4 (CHE 101L).....1	Gen. Ed. E-6.....3	AGR 301 .....1
Gen. Ed. E-2 (MAT 105 +).....3	Gen. Ed. E-5B (ECO 230).....3	Free Electives.....1	AGR 409 .....3
Gen. Ed. E-4 (BIO 111 or 112) ..4	Gen. Ed. E-1B (ENG 102) .....3	Animal Science Selection .....3	Total .....15
Total .....14	Total .....14	Total .....15	
Second Semester	Second Semester	Second Semester	Second Semester
AGR 130 .....3	AGR 215 .....3	Animal Science Selection .....3	AGR 499 or 509 Capstone.....3
AGR 131.....1	AGR 216 .....1	Gen. Ed. E-3A .....3	AGR 411 Senior Seminar .....1
Gen. Ed. E-1A (ENG 101).....3	AGR 308 .....3	Animal Production Selection...3	Free Electives.....6
AGR 213 .....3	Gen. Ed. E-6.....3	ACC 201 .....3	Animal Science Selection .....3
CIS 212, INF 104, or CCT 201...3	Gen. Ed. E-1C.....3	AGR 349.....1	BTS 400 .....0
Gen. Ed. E-5A .....3	Gen. Ed. E-3B .....3	AGR/OHO 300+ Elective.....3	Total .....13
Total .....16	Total .....16	Total .....16	

AGRICULTURE B.S. - FRUIT, VEGETABLE, NURSERY, AND GREENHOUSE PRODUCTION CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100.....1		AGR 215.....3		AGR 305.....1		AGR 411.....1	
OHO 131.....3		AGR 216.....1		AGR 416.....3		AGR 409.....3	
OHO 132.....1		AGR 308.....3		Free Electives.....3		AGR/OHO Elective.....3	
AGR 213.....3		Gen. Ed. E-1B (ENG 102).....3		OHO 301.....2		OHO 388.....3	
Gen. Ed. E-2 (MAT 105+).....3		OHO 349.....1		Gen. Ed. E-6.....3		OHO 375.....3	
Gen. Ed. E-4 (BIO 111).....4		Gen. Ed. E-4 (CHE 101).....3		OHO 374.....3		Free Elective.....3	
Total.....15		Gen. Ed. E-4 (CHE 101L).....1		Total.....15		Total.....16	
		Total.....15					
Second Semester		Second Semester		Second Semester		Second Semester	
BIO 318.....4		OHO 304.....4		Gen. Ed. E-3A.....3		AGR 417.....3	
Gen. Ed. E-1A (ENG 101).....3		CIS 212, INF 104 or CCT 201.....3		AGR 404.....3		OHO 499.....3	
OHO 115.....2		Gen. Ed. E-1C.....3		ACC 201.....3		OHO 349.....4	
Gen. Ed. E-6.....3		(CMS 100 or 210)		OHO 354.....2		AGR/OHO Elective.....3	
Gen. Ed. E-5B (ECO 230).....3		Gen. Ed. E-5A.....3		OHO 373.....3		BTS 400.....0	
Total.....15		Gen. Ed. E-3B.....3		OHO 349.....1		Total.....13	
		Total.....16		Total.....15			

AGRICULTURE B.S. - GENERAL PRE-VETERINARY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100..... 1		AGR 321..... 4		AGR Animal Science..... 3		AGR 304..... 3	
AGR 125..... 3		BIO 112..... 4		Gen. Ed. E-6..... 3		AGR Animal Production..... 3	
AGR 126..... 1		Gen. Ed. E-5A..... 3		AGR 305..... 1		Gen. Ed. E-3A..... 3	
Gen. Ed. E-1A (ENG 101)..... 3		CHE 361..... 3		AGR 308..... 3		PHY 131..... 5	
Gen. Ed. E-2..... 3-5		CHE 361L..... 1		BIO Science Elective..... 3		Total..... 14	
(MAT 109, 124 or 261)		Total..... 15		Total..... 13			
Gen. Ed. E-4 (CHE 111)..... 3							
Gen. Ed. E-4 (CHE 111L)..... 1							
Total..... 15-17							
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)..... 3		CHE 362..... 3		AGR 421..... 3		AGR 411..... 3	
Gen. Ed. E-1C..... 3		CHE 362L..... 1		AGR 372a..... 1		PHY 132..... 5	
Gen. Ed. E-4 (BIO 111)..... 4		Gen. Ed. E-5B (ECO 230)..... 3		Gen. Ed. E-3B..... 3		AGR 310, 350 or 440..... 3	
Free Elective..... 3		AGR Animal Science..... 3		Gen. Ed. E-6..... 3		BTS 400..... 0	
CHE 112..... 3		AGR Production..... 3		AGR 349..... 3		AGR 499 or 509..... 3	
CHE 112L..... 1		Total..... 13		BIO Science Elective..... 3		CHE 431..... 3	
Total..... 17				Total..... 16		Total..... 17	

AGRICULTURE B.S. - PRE-VETERINARY TRANSFER CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100..... 1		AGR 321..... 4		Gen. Ed. E-3B..... 3			
AGR 125..... 3		BIO 112..... 4		(ENG 211 or 212)			
AGR 126..... 1		CHE 361..... 3		PHY 131..... 5			
Gen. Ed. E-1A (ENG 101)..... 3		CHE 361L..... 1		Gen. Ed. E-6..... 3			
Gen. Ed. E-2..... 3-5		Gen. Ed. E-5A..... 3		Additional A&H..... 3			
(MAT 109, 124 or 261)		Additional SBS..... 3		Science Elective..... 3			
Gen. Ed. E-4 (CHE 111)..... 3		Total..... 18		(AGR or BIO)			
Gen. Ed. E-4 (CHE 111L)..... 1				Total..... 17			
Total..... 15-17							
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)..... 3		CHE 362..... 3		AGR 305..... 1			
Gen. Ed. E-1C..... 3		CHE 362L..... 1		Gen. Ed. E-3A..... 3			
Gen. Ed. E-4 (BIO 111)..... 4		Gen. Ed. E-5B..... 3		(MUH 171, ART 200 or THE 100)			
Free Elective..... 3		Gen. Ed. E-6..... 3		PHY 132..... 5			
CHE 112..... 3		Additional SBS..... 3		CHE 431..... 3			
CHE 112L..... 1		Science Elective..... 3		Additional A&H..... 3			
Total..... 17		(AGR or BIO)		Total..... 15			
		Total..... 16					

AGRICULTURE B.S. - TURFGRASS AND LANDSCAPE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	AGR 215 .....3	AGR 305.....1	AGR 411.....1
OHO 131.....3	AGR 216 .....1	OHO 366.....3	AGR 409 .....3
OHO 132 .....1	AGR 308 .....3	Free Electives.....3	OHO 367 .....3
AGR 213 .....3	Gen. Ed. E-1B (ENG 102) .....3	Gen. Ed. E-6.....3	OHO 372 .....3
Gen. Ed. E-2 (MAT 105+).....3	OHO 349.....1	OHO 351.....4	OHO 392.....3
Gen. Ed. E-4 (BIO 111).....4	Gen. Ed. E-4 (CHE 101).....3	OHO 349.....1	OHO 368.....3
Total.....15	Gen. Ed. E-4 (CHE 101L).....1	Total.....15	Total.....16
	Total.....15		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 318 .....4	OHO 304.....4	Gen. Ed. E-3A .....3	Free Elective .....3
Gen. Ed. E-1A (ENG 101).....3	CIS 212, INF 104, or CCT 201..3	ACC 201 .....3	OHO 499.....3
OHO 115 .....2	Gen. Ed. E-1C.....3	OHO 354 .....2	OHO 370 .....3
Gen. Ed. E-6.....3	Gen. Ed. E-5A .....3	OHO 365 .....3	OHO 349.....2
Gen. Ed. E-5B (ECO 230).....3	Gen. Ed. E-3B .....3	OHO 391 .....3	AGR/OHO Elective.....3
Total.....15	Total.....16	Total.....14	BTS 400 .....0
			Total.....14

DEPARTMENT OF APPLIED ENGINEERING AND TECHNOLOGY

APPLIED ENGINEERING MANAGEMENT B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	Gen. Ed. E-5B (ECO 230).....3	AEM 308.....3	AEM 352 .....3
Gen. Ed. E-1A (ENG 101 or 105) .....3	AEM 390 .....4	AEM 310W.....3	AEM 371.....3
AEM 201 .....3	Gen. Ed. E-4 (PHY 131) .....5	AEM 332 .....3	AEM 407 .....3
Gen. Ed. E-2 (MAT 120).....3	STA 270 or 215.....4	AEM Tech Elective.....3	Elective.....4
TEC 161 .....3	Total .....15	Gen. Ed. E-3A .....3	Gen. Ed. E-6.....3
AEM 195.....3		Total .....15	Total .....16
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-4 (CHE 101/101L or 111/111L).....4	AEM 202 .....3	Gen. Ed. E-3B .....3	AEM 408.....3
EET 251.....3	AEM 301 .....3	Elective.....3	AEM 499 .....3
Gen. Ed. E-1B (ENG 102) .....3	AEM 330 .....3	CON 420 or ECO 300.....3	AEM Tech Elective.....3
Gen. Ed. E-1C.....3	MAT 211 .....3	AEM Tech Electives.....6	Gen. Ed. E-6.....3
Free Elective .....3	Gen. Ed. E-5A .....3	AEM 349 .....1	BTS 400 .....0
Total .....16	Total .....15	BTS 300 .....0	AEM 467 .....0
		Total .....13	Total .....12

AVIATION B.S. - AEROSPACE MANAGEMENT CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
AVN 150 .....3	ACC 201 .....3	AVN 325.....3	AVN 340 .....3
BTO 100 .....1	AVN 315.....3	MKT 301 .....3	AVN 390 .....3
TEC 161 .....3	STA 215 or QMB 200.....3	MGT 301 .....3	AVN 402 .....3
Free Elective .....3	Gen. Ed. E-4 (PHY 101 or higher) 3	Free Elective .....3	AVN 410 .....3
Gen. Ed. E-1A (ENG 101 or 105) 3	Gen. Ed. E-5B (ECO 230).....3	Gen. Ed. E-6.....3	Free Elective .....3
Gen. Ed. E-5A.....3	Total .....15	Total 15	Total 15
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
AVN 161.....4	ACC 202 .....3	AVN 350.....3	AVN 370..... 3
Gen. Ed. E-1B (ENG 102) .....3	ECO 231 .....3	AVN 360 .....3	AVN 401.....3
Gen. Ed. E-1C (CMS 100) .....3	GBU 204 .....3	AVN 460 .....3	AVN 467..... 0
Gen. Ed. E-2 (MAT 114 or higher) 3	Gen. Ed. E-3A .....3	BTS 300 .....0	BTS 400 0
Gen. Ed. E-4.....3	Gen. Ed. E-3B .....3	GEO 315 or AVN 335 .....3	Free Elective 4
Total .....16	Total .....15	Free Elective 3	Gen. Ed. E-6.....3
		Total 15	Total .....13

AVIATION B.S. - AEROSPACE TECHNOLOGY CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	AVN Technical Elective .....3	AVN 150.....3	AVN 340 .....3
AVN Technical Elective .....3	AVN Technical Elective .....3	AVN 161.....4	AVN 390 .....3
AVN Technical Elective .....1	STA 215 or QMB 200.....3	AVN 315 .....3	AVN 402 .....3
TEC 161 .....3	Gen. Ed. E-4 (PHY 101 or higher) .....3	AVN 325.....3	AVN 410 .....3
Free Elective .....3	Gen. Ed. E-5B (ECO 230).....3	Total .....13	Total .....12
Gen. Ed. E-1A (ENG 101 or 105) .....3	Gen. Ed. E-6.....3		
Gen. Ed. E-5A.....3	Total .....18		
Total .....17			
Second Semester	Second Semester	Second Semester	Second Semester
AVN Technical Elective .....3	AVN Technical Elective .....3	AVN 350.....3	AVN 370.....3
AVN Technical Elective .....3	AVN Technical Elective .....3	AVN 360 .....3	AVN 401.....3
Gen. Ed. E-1B (ENG 102) .....3	AVN Technical Elective .....3	BTS 300 .....0	AVN 435.....3
Gen. Ed. E-1C (CMS 100) .....3	Gen. Ed. E-3A .....3	GEO 315 or AVN 335 .....3	AVN 460 .....3
Gen. Ed. E-2 (MAT 114 or higher) .....3	Gen. Ed. E-3B .....3	MGT 301 .....3	AVN 467.....0
Gen. Ed. E-4.....3	Gen. Ed. E-6.....3	Total .....12	BTS 400 .....0
Total .....18	Total .....18	Total .....12	Total .....12

BUSINESS AND TECHNOLOGY

AVIATION B.S. - PROFESSIONAL FLIGHT MEL CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100.....1	AVN 222A.....1	AVN 222A.....1	AVN 325.....3	AVN 470.....3	AVN 150.....3	AVN 305.....1	AVN 402.....3
AVN 161.....4	AVN 315.....3	AVN 315.....3	MGT 301.....3	AVN 410.....3	AVN 161A.....1	Free Elective.....3	AVN 421.....2
AVN 161A.....1	Free Elective.....3	Gen. Ed. E-1C (CMS 100).....3	Gen. Ed. E-3A.....3	AVN 423A.....1	Gen. Ed. E-1A (ENG 101 or 105).....3	STA 215 or QMB 200.....3	AVN 435.....3
Gen. Ed. E-2 (MAT 114 or higher).....3	Gen. Ed. E-5B (ECO 230).....3	Gen. Ed. E-6.....3	Total.....16	Total.....15	Gen. Ed. E-2 (MAT 114 or higher).....3	Total.....14	Total.....15
Total.....15	Total.....15	Total.....16	Total.....16	Total.....15	Total.....15	Total.....14	Total.....15
Second Semester		Second Semester		Second Semester		Second Semester	
AVN 162A.....1	AVN 300.....2	AVN 333A.....1	AVN 401.....3	AVN 220.....4	AVN 305A.....1	AVN 350.....3	AVN 416A.....1
TEC 161.....3	AVN 330.....3	AVN 370.....3	AVN 425.....3	Gen. Ed. E-1B (ENG 102).....3	GEO 315 or AVN 335.....3	AVN 415.....3	AVN 467.....0
Gen. Ed. E-4 (PHY 101 or higher).....3	Gen. Ed. E-3B.....3	AVN 460.....3	BTS 400.....0	Gen. Ed. E-4 (PHY 101 or higher).....3	Gen. Ed. E-4.....3	AVN 480.....1	Gen. Ed. E-5A.....3
Total.....14	Total.....15	BTS 300.....0	Gen. Ed. E-6.....3	Total.....14	Total.....15	Total.....14	Total.....13
Third Semester		Third Semester		Third Semester		Third Semester	
AVN 221A.....1	AVN 331A.....1	AVN 334A.....1	AVN 421A.....1				

AVIATION B.S. - PROFESSIONAL FLIGHT SEL CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100.....1	AVN 222A.....1	AVN 222A.....3	AVN 470.....3	AVN 150.....3	AVN 305.....1	AVN 402.....3	AVN 421.....2
AVN 161.....4	AVN 315.....3	MGT 301.....3	AVN 410.....3	AVN 161A.....1	Free Elective.....3	AVN 410.....3	AVN 423A.....1
AVN 161A.....1	Free Elective.....3	Gen. Ed. E-1C (CMS 100).....3	AVN 423A.....1	Gen. Ed. E-1A (ENG 101 or 105).....3	STA 215 or QMB 200.....3	AVN 425.....3	AVN 435.....3
Gen. Ed. E-2 (MAT 114 or higher).....3	Gen. Ed. E-5B (ECO 230).....3	Gen. Ed. E-3A.....3	AVN 467.....0	Gen. Ed. E-2 (MAT 114 or higher).....3	Gen. Ed. E-4 (PHY 101 or higher).....3	AVN 467.....0	Gen. Ed. E-6.....3
Total.....15	Total.....14	Gen. Ed. E-6.....3	Total.....13	Total.....15	Total.....14	Total.....14	Total.....15
Second Semester		Second Semester		Second Semester		Second Semester	
AVN 162A.....1	AVN 300.....2	AVN 303A.....1	AVN 401.....3	AVN 220.....4	AVN 305A.....1	AVN 350.....3	AVN 416A.....1
TEC 161.....3	AVN 330.....3	AVN 370.....3	AVN 425.....3	Gen. Ed. E-1B (ENG 102).....3	GEO 315 or AVN 335.....3	AVN 415.....3	AVN 467.....0
Gen. Ed. E-4 (PHY 101 or higher).....3	Gen. Ed. E-3B.....3	AVN 460.....3	BTS 400.....0	Gen. Ed. E-4 (PHY 101 or higher).....3	Gen. Ed. E-4.....3	AVN 480.....1	Gen. Ed. E-5A.....3
Total.....14	Total.....15	BTS 300.....0	Gen. Ed. E-6.....3	Total.....14	Total.....15	Total.....14	Total.....13
Third Semester		Third Semester		Third Semester		Third Semester	
AVN 221A.....1	AVN 301A.....1	AVN 304A.....1	AVN 421A.....1				

CAREER AND TECHNICAL EDUCATION/TEACHING B.S. - AGRICULTURE EDUCATION CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100.....1	AGR 308.....3	AGR 272, 311, 362, or 383.....3	ESE 552.....3	AGR 125.....3	Gen. Ed. E-4 (BIO 111 or 112).....4	AGR 409 or 440.....3	Gen. Ed. E-3A.....3
AGR 126.....1	Gen. Ed. E-4 (CHE 101).....3	AGR/OHO Elective.....1	AGR 310 or 350.....3	AGR 131.....3	Gen. Ed. E-4 (CHE 101L).....1	CTE 361.....3	Gen. Ed. E-6.....3
OHO 132.....1	Gen. Ed. E-3B.....3	Gen. Ed. E-5B.....3	Total.....12	Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-5A.....3	Free Elective.....3	Total.....12
Gen. Ed. E-2 (MAT 114 or higher).....3	Total.....17	Total.....16	Total.....12	Gen. Ed. E-2 (MAT 114 or higher).....3	Total.....17	Total.....16	Total.....12
Total.....15	Total.....16	Total.....16	Total.....12	Total.....15	Total.....17	Total.....16	Total.....12
Second Semester		Second Semester		Second Semester		Second Semester	
AGR 210.....2	AGR 215.....3	AGR 304.....4	ESE 499 Student Teaching.....12	AGR 213.....3	AGR 216.....1	AGR 305.....1	ESE 490 Seminar.....3
EDF 103.....1	AGR 327 or 328.....3	AGR 312, 417 and OHO 384 or 385.....3	BTS 400.....0	Gen. Ed. E-1B (ENG 102).....3	EDF 319.....3	AGR 312, 417 and OHO 384 or 385.....3	Total.....15
ECO 230.....3	CIS 212, CCT 201, or INF 104.....3	CTE 363.....3	Total.....15	CTE 261.....3	Gen. Ed. E-1C (CMS 100).....3	SED 401.....3	Total.....15
Total.....15	Total.....16	Gen. Ed. E-6.....3	Total.....15	Total.....15	Total.....16	Gen. Ed. E-6.....3	Total.....15
Third Semester		Third Semester		Third Semester		Third Semester	

CAREER AND TECHNICAL EDUCATION/TEACHING B.S. - ENGINEERING/TECHNOLOGY EDUCATION CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	EDF 219 .....3	EDF 413 .....2	ESE 552.....3
Gen. Ed. E-1A.....3	CED 200 .....3	CED 400 .....0.5	TEC 404 .....3
(ENG 101 or 105)	EET 252 .....3	EMS 490 .....1	NET 303.....3
TEC 161 .....3	AEM 201 .....3	SED 402.....2	AEM 383.....3
TEC 190.....3	Gen. Ed. E-4.....3	CTE 361.....3	Gen. Ed. E-4.....3
Gen. Ed. E-3A.....3	Gen. Ed. E-5A .....3	CTE 363 .....3	Total .....15
Free Elective .....3	Total .....15.5	Technical Elective.....3	
Total .....16		Total .....14.5	
Second Semester	Second Semester	Second Semester	Second Semester
CTE 262 .....3	CED 300 .....0.5	CON 294 .....3	CED 450.....1
EDF 203 .....1	EMS 300W .....1	EDF 319 .....3	CED 499 .....9
CED 100 .....0.5	EMS 474.....3	AEM 371.....3	TEC 303 .....3
CON 121 .....3	NET 302.....3	AEM 195.....3	Gen. Ed. E-6.....3
Gen. Ed. E-1B ENG 102 .....3	Gen. Ed. E-3B .....3	CON 201.....3	BTS 400 .....0
MAT 114 .....2	Gen. Ed. E-5B .....3	BTS 300 .....0	Total .....16
Gen. Ed. E-1C.....3	Technical Elective.....3	Total .....15	
Total .....15.5	Total .....16.5		

CAREER AND TECHNICAL EDUCATION/TEACHING B.S. - OCCUPATIONAL TRAINING AND DEVELOPMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	CTE 164 .....3	CTE 363 .....3	CTE 361.....3
Gen. Ed. E-1A (ENG 101 or 105)	Gen. Ed. E-3B .....3	Technical Electives .....9	EDF 320 .....3
.....3	Gen. Ed. E-5B .....3	Gen. Ed. E-6.....3	TEC 349 .....6
TEC 161 .....3	Technical Electives .....6	Total .....16	Free Elective .....4
Gen. Ed. E-1C.....3	Total .....15		Total .....16
Gen. Ed. E-4.....3			
Free Elective .....3			
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) .....3	CTE 261.....3	SED 104 .....3	CTE 364 .....3
Gen. Ed. E-2 (MAT 114).....3	Gen. Ed. E-4.....3	TEC 349 .....3	CTE 463 .....4
Gen. Ed. E-3A .....3	Technical Electives .....6	Gen. Ed. E-6.....3	Technical Electives .....6
Gen. Ed. E-5A .....3	Total .....12	Technical Electives .....6	BTS 400 .....0
Technical Electives .....6		BTS 300 .....0	Total .....13
Total .....18		Total .....15	

CAREER AND TECHNICAL EDUCATION/TEACHING B.S. - TECHNICAL EDUCATION CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	EDF 103 .....1	CTE 363 .....3	CTE 361.....3
Gen. Ed. E-1A (ENG 101 or 105)	Gen. Ed. E-3B .....3	TEC 349 or Technical Electives	EDF 319 .....3
.....3	Gen. Ed. E-5B .....3	.....9	ESE 552.....3
TEC 161 .....3	Technical Electives .....6	Gen. Ed. E-6.....3	Technical Electives .....6
Gen. Ed. E-1C.....3	Total .....13	Total .....15	Total .....15
Gen. Ed. E-4.....3			
Free Elective .....3			
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) .....3	CTE 262 .....3	SED 401 .....3	ESE 490 .....3
Gen. Ed. E-2 (MAT 114).....3	EDF 310 .....1	Gen. Ed. E-6.....3	CTE 463 .....12
Gen. Ed. E-3A .....3	Gen. Ed. E-4.....3	BTS 300 .....0	BTS 400 .....0
Gen. Ed. E-5A .....3	Technical Electives .....6	Technical Electives .....9	Total .....15
Technical Electives .....6	Total .....13	Total .....15	
Total .....18			

CONSTRUCTION MANAGEMENT B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	Gen. Ed. E-1C (CMS 100/210) 3	ACC 201/FIN 310 .....3	CON 421.....3
CON 121 .....3	CON 294 .....3	CON 307 .....3	GBU 204 .....3
Gen. Ed. E-1A (ENG 101/105) .3	CON 221.....3	CON 325.....5	Gen. Ed. E-3B .....3
Gen. Ed. E-2 (MAT 120).....3	Gen. Ed. E-4 (PHY 131) .....5	Free Elective .....3	CON 426 .....3
TEC 161 .....3	Total .....14	Total .....14	Elective.....3
Gen. Ed. E-5A .....3			Total .....15
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
CON 201.....3	CON 303 .....3	CON 322 .....3	CCT 201.....3
CON 202 .....3	CON 320 .....3	CON 324 .....3	CON 425.....3
Gen. Ed. E-1B (ENG 102/HON 102) .....3	Gen. Ed. E-5B (ECO 230).....3	MGT 301/AEM 408.....3	CON 499 .....3
Gen. Ed. E-4 (GLY 108).....3	MAT 211 .....3	Gen. Ed. E-3A .....3	CON 420 .....3
Gen. Ed. E-6.....3	MAT 217.....1	Business Upper Division Elective .....0	BTS 400 .....0
Total .....15	Gen. Ed. E-6.....3	Total .....15	Total .....12
	Total .....16	BTS 300 .....0	
		Total .....15	
	Summer Semester	Summer Semester	
	CON 349 .....1	CON 349 .....1	

NETWORK SECURITY AND ELECTRONICS B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	EET 253 or 351 or AEM 352....3	NET 344 .....3	NET 454.....3
EET 251.....3	NET 354 .....3	NET 395 or NET 440.....3	AEM 310W.....3
EET 252 .....3	Gen. Ed. E-2 (MAT 120).....3	CSC course (above CSC 160) ...3	AEM 407 .....3
TEC 161 .....3	Gen. Ed. E-1C (CMS 100 or CMS 210 or EES 250).....3	Gen. Ed. E-3A or 3B .....3	Gen. Ed. E-6.....3
Gen. Ed. E-2 (MAT 114 or higher) .....3	Free Elective .....3	Free Elective .....3	Free Elective .....3
Gen. Ed. E-1A (ENG 101 OR ENG 105) .....3	Total .....15	Total .....15	Apply for Graduation.....0
Total.....16			Total .....15
Second Semester	Second Semester	Second Semester	Second Semester
EET 257.....3	NET 343 .....3	NET 403.....3	NET 499.....3
NET 302.....3	Gen. Ed. E-4 (PHY 101 or higher) .....3	Upper Division Management .....3	AEM 408.....3
NET 303.....3	Gen. Ed. E-5B (ECO 230).....3	Supporting Course .....3	Gen. Ed. E-6.....3
CSC 160 .....3	Gen. Ed. E-3B or 3A .....3	AEM 202 .....3	Upper Division Free Elective...3
Gen. Ed. E-1B (ENG 102) .....3	STA 215 or 270.....3	CHE 101 .....3	BTS 400 .....0
Total .....15	NET 349.....1	CHE 101L .....1	NET 467 Exit Exam and Certification Exam .....0
	Total .....16	Gen. Ed. E-5A .....3	Total .....12
		BTS 300 .....0	
		Total .....16	

DEPARTMENT OF MANAGEMENT, MARKETING, AND INTERNATIONAL BUSINESS

BUSINESS AND MARKETING EDUCATION/TEACHING B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100	1	ACC 201	3	CCT 300W	3	SED 402	2
Gen. Ed. E-2 (MAT 112).....	3	ECO 231	3	CIS 300	3	ESE 573	3
Gen. Ed. E-1A (ENG 101).....	3	QMB 200	3	MGT 300.....	3	CCT 570	3
Free Elective	3	CCT 270	3	MKT 300.....	3	Gen. Ed. E-6.....	3
CIS 212 or INF 104	3	Gen. Ed. E-3B	3	BTS 300	0	ESE 573	3
Gen. Ed. E-3A	3	EDF 219	2	CED 400	0.5	CEM 450	1
Total	16	CED 200	0.5	EMS 490	3	Total	15
		Total	17.5	EDF 413	3		
				Total	18.5		
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)	3	ACC 202	3	MKT 310, 400, or 435	3	CEM 499	9
Gen. Ed. E-1C.....	3	GBU 204	3	FIN 300.....	3	BTS 400	0
(CMS 100 or 210)		Gen. Ed. E-4.....	3	CCT 304S.....	3	EMS 474.....	3
GBU 101	3	Gen. Ed. E-5A.....	3	MGT 340.....	3	Total	12
Gen. Ed. E-5B (ECO 230).....	3	EMS 300W	3	SED 104	3		
EDF 203.....	3	CED 300	0.5	Gen. Ed. E-4.....	3		
CED 100.....	0.5	Total	15.5	Total	18		
Total	15.5						

GENERAL BUSINESS B.B.A. CORPORATE COMMUNICATION AND TECHNOLOGY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100	1	ACC 201	3	CCT 300W	3	MGT Major Course	3
Gen. Ed. E-2 (MAT 112).....	3	ECO 231	3	CIS 300	3	CCT 304S.....	3
PSY 200 or SOC 131.....	3	QMB 200	3	MGT 300.....	3	MKT Major Course	3
Gen. Ed. E-1A (ENG 101).....	3	GBU 201.....	3	CCT 270	3	CCT 310.....	3
Free Elective	3	Gen. Ed. E-3A.....	3	MGT 340.....	3	Gen. Ed. E-6.....	3
CIS 212 or INF 104	3	Total	15	BTS 300	0	Total	15
Total	16			Total	15		
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B.....	3	ACC 202	3	MGT 370	3	GBU 480	3
Gen. Ed. E-4.....	3	GBU 204	3	MKT 300.....	3	CCT 550.....	3
Gen. Ed. E-1C.....	3	Gen. Ed. E-3B	3	FIN 300.....	3	Free Elective	5
(CMS 100 or 210)		Gen. Ed. E-5A.....	3	CCT 570	3	(Non-Business)	
GBU 101	3	Gen. Ed. E-4.....	3	Gen. Ed. E-6.....	3	MGT 480	3
ECO 230.....	3	Total	15	Total	15	BTS 400	0
Total	15					Total	14

GENERAL BUSINESS B.B.A. GENERAL BUSINESS CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BTO 100	1	ACC 201	3	CCT 300W	3	MGT Upper Division Major	
Gen. Ed. E-2 (MAT 112).....	3	ECO 231	3	CIS 300	3	Course	3
Gen. Ed. E-5B	3	QMB 200	3	MGT 300.....	3	MKT Upper Division Course	3
(PSY 200 or SOC 131)		GBU 201.....	3	FIN 300.....	3	Approved Business Elective	3
Gen. Ed. E-1A (ENG 101).....	3	Gen. Ed. E-3A.....	3	MGT 340.....	3	Free Elective (Non-Business)	3
Free Elective	3	Total	15	BTS 300	0	Gen. Ed. E-6.....	3
CIS 212 or INF 104	3			Total	15	Total	15
Total	16						
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)	3	ACC 202	3	MGT 370	3	GBU 480	3
Gen. Ed. E-4.....	3	GBU 204	3	MKT 300.....	3	FIN/MGT/MKT Major Course	
Gen. Ed. E-1C.....	3	Gen. Ed. E-3B	3	FIN Upper Division Major		.....	3
(CMS 100 or 210)		Gen. Ed. E-5A.....	3	Course	3	Approved Business Elective	3
GBU 101	3	Gen. Ed. E-4.....	3	Approved Business Elective	3	Free Elective (non-business)	5
ECO 230.....	3	Total	15	Gen. Ed. E-6.....	3	BTS 400	0
Total	15			Total	15	Total	14

GENERAL BUSINESS B.B.A. GLOBAL SUPPLY CHAIN MANAGEMENT			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
BTO 100 .....1	ACC 201 .....3	CCT 300W .....3	MKT 315.....3
Gen. Ed. E-2 (MAT 112).....3	ECO 231 .....3	CIS 300 .....3	MKT 400.....3
Gen. Ed. E-5B .....3	QMB 200 .....3	MGT 300.....3	CIS 380 .....3
(PSY 200 or SOC 131)	GBU 201.....3	FIN 300.....3	MGT 435 .....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A .....3	MGT 340.....3	Gen. Ed. E-6.....3
Free Elective .....3	Total .....15	BTS 300 .....0	Total .....15
CIS 212 or INF 104 .....3		Total .....15	
Total .....16			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
Gen. Ed. E-1B (ENG 102) .....3	ACC 202 .....3	MGT 370 .....3	GBU 480 .....3
Gen. Ed. E-4.....3	GBU 204 .....3	MKT 300.....3	Approved Business/ECO Course
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	MGT 430.....3	.....3
(CMS 100 or 210)	Gen. Ed. E-5A .....3	MGT 375 .....3	Free Elective (Non-Business)..5
GBU 101 .....3	Gen. Ed. E-4.....3	Gen. Ed. E-6.....3	MKT 431.....3
ECO 230.....3	Total .....15	Total .....15	BTS 400 .....0
Total .....15			Total .....14

GENERAL BUSINESS B.B.A. INTERNATIONAL BUSINESS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
BTO 100 .....1	ACC 201 .....3	CCT 300W .....3	MKT 400.....3
Gen. Ed. E-2 (MAT 112).....3	ECO 231 .....3	CIS 300 .....3	CCT 310.....3
Gen. Ed. E-5B .....3	QMB 200 .....3	MGT 300.....3	Gen. Ed. E-6.....3
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	FIN 300.....3	Foreign Language .....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A .....3	MGT 340.....3	Approved Business Course/
Free Elective .....3	Total .....15	BTS 300 .....0	Co-op.....3
CIS 212 or INF 104 .....3		Total .....15	Total .....15
Total .....16			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
Gen. Ed. E-1B (ENG 102) .....3	ACC 202 .....3	MGT 370 .....3	GBU 480 .....3
Gen. Ed. E-4.....3	GBU 204 .....3	MKT 300.....3	Approved Business Elective/
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	FIN 330.....3	Co-op.....3
(CMS 100 or 210)	Gen. Ed. E-5A .....3	MGT 430.....3	Free Elective (Non-Business)..5
GBU 101 .....3	GBU 201.....3	Foreign Language .....3	BTS 400 .....0
ECO 230.....3	Total .....15	Total .....15	Gen. Ed. E-6.....3
Total .....15			Total .....14

MANAGEMENT B.B.A. - ENTREPRENEURSHIP CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
BTO 100 1	ACC 201 .....3	CCT 300W .....3	CCT 270 .....3
Gen. Ed. E-2 (MAT 112)..... 3	ECO 231 .....3	CIS 300 .....3	MGT 330 .....3
Gen. Ed. E-5B 3	QMB 200 .....3	MGT 300.....3	MGT 349 .....3
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	FIN 300.....3	Approved Business Elective ....3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-3A .....3	MGT 340.....3	MKT 435 .....3
Free Elective.....3	Total .....15	BTS 300 .....0	Total .....15
CIS 212 or INF 104 3		Total .....15	
Total 16			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
Gen. Ed. E-1B (ENG 102) .....3	ACC 202 .....3	MGT 370 .....3	CCT 304S .....3
Gen. Ed. E-4.....3	GBU 204 .....3	MKT 300.....3	GBU 480 .....3
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	MGT 480.....3	MGT 445 .....3
GBU 101 .....3	Gen. Ed. E-5A .....3	MGT 320.....3	MGT 465 .....3
ECO 230.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	Free Elective (Non-Business)..2
Total .....15	Total .....15	Total .....15	BTS 400 .....0
			Total .....14

MANAGEMENT B.B.A. - HUMAN RESOURCE MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	ACC 201 .....3	CCT 300W .....3	MGT Requirement..... 3
Gen. Ed. E-2 (MAT 112).....3	ECO 231 .....3	CIS 300 .....3	MGT Requirement..... 3
Gen. Ed. E-5B .....3	QMB 200 .....3	MGT 300.....3	MGT 400..... 3
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	FIN 300.....3	Approved Business Elective 3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3.....3	MGT 340 .....3	Free Elective (Non-Business)... 3
Free Elective .....3	Total .....15	BTS 300 .....0	Total 15
CIS 212 or INF 104 .....3		Total .....15	
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	ACC 202 .....3	MGT 370 .....3	GBU 480 .....3
Gen. Ed. E-4.....3	GBU 204 .....3	MKT 300.....3	MGT Requirement.....3
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	MGT 480.....3	MGT Requirement.....3
(CMS 100 or 210)	Gen. Ed. E-5A .....3	MGT 320.....3	Approved Business Elective ....3
GBU 101 .....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	Free Elective (Non-Business)..2
ECO 230.....3	Total .....15	Total .....15	BTS 400 .....0
Total .....15			Total .....14

MANAGEMENT B.B.A. - MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	ACC 201 .....3	CCT 300W .....3	MGT Elective.....6
Gen. Ed. E-2 (MAT 112).....3	ECO 231 .....3	CIS 300 .....3	MGT 400.....3
Gen. Ed. E-5B .....3	QMB 200 .....3	MGT 300.....3	Approved Business Elective ..3
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	FIN 300 .....3	Free Elective (Non-Business) 3
Gen. Ed. E-1A.....3	Gen. Ed. E-3A .....3	MGT 340 .....3	Total .....15
Free Elective .....3	Total .....15	BTS 300 .....0	
CIS 212 or INF 104 .....3		Total .....15	
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) .....3	ACC 202 .....3	MGT 370 .....3	GBU 480 .....3
Gen. Ed. E-4.....3	GBU 204 .....3	MKT 300.....3	MGT Elective.....6
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	MGT 480.....3	Approved Business Elective ..3
GBU 101 .....3	Gen. Ed. E-5A .....3	MGT 320.....3	Free Elective (Non-Business) 2
ECO 230.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	BTS 400 .....0
Total .....15	Total .....15	Total .....15	Total .....14

MARKETING B.B.A. - GENERAL MARKETING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100 .....1	ACC 201 .....3	CCT 300W .....3	MKT Elective.....6
Gen. Ed. E-2 (MAT 112).....3	ECO 231 .....3	CIS 300 .....3	MKT 455 .....3
Gen. Ed. E-5B .....3	QMB 200 .....3	MGT 300.....3	MGT 370.....3
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	MKT 300.....3	Free Elective (Non-Business) 3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A .....3	MGT 340 .....3	Total .....15
Free Elective .....3	Total .....15	BTS 300 .....0	
CIS 212 or INF 104 .....3		Total .....15	
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B .....3	ACC 202 .....3	MKT 350.....3	GBU 480 .....3
Gen. Ed. E-4.....3	GBU 204 .....3	FIN 300 .....3	MKT 460.....3
Gen. Ed. E-1C .....3	Gen. Ed. E-3B .....3	MKT 400.....3	MKT Elective.....3
GBU 101 .....3	Gen. Ed. E-5A .....3	MKT Elective.....3	Free Elective (Non-Business) 5
ECO 230.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	BTS 400 .....0
Total .....15	Total .....15	Total .....15	Total .....14

MARKETING B.B.A. - MARKETING RESEARCH AND ANALYTICS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100.....1	ACC 201.....3	CCT 300W.....3	MKT 455.....3
Gen. Ed. E-2 (MAT 112).....3	ECO 231.....3	CIS 300.....3	MGT 370.....3
Gen. Ed. E-5B.....3	QMB 200.....3	MGT 300.....3	Free Elective (non-business)..6
(PSY 200 or SOC 131)	Gen. Ed. E-4.....3	MKT 300.....3	MKT 481.....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A.....3	MGT 340.....3	Total.....15
Free Elective.....3	Total.....15	BTS 300.....0	
CIS 212 or INF 104.....3		Total.....15	
Total.....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102).....3	ACC 202.....3	MKT 350.....3	GBU 480.....3
Gen. Ed. E-4.....3	GBU 204.....3	FIN 300.....3	MKT 460.....3
Gen. Ed. E-1C.....3	Gen. Ed. E-3B.....3	MKT 400.....3	MKT 457.....3
GBU 101.....3	Gen. Ed. E-5A.....3	CIS 430.....3	MKT 456.....3
ECO 230.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	Free Elective (non-business)..2
Total.....15	Total.....15	Total.....15	BTS 400.....0
			Total.....14

MARKETING B.B.A. - MUSIC MARKETING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100.....1	ACC 201.....3	CCT 300W.....3	MKT Electives.....6
Gen. Ed. E-2 (MAT 112).....3	ECO 231.....3	MGT 300.....3	MGT 370.....3
Gen. Ed. E-5B.....3	QMB 200.....3	MKT 300.....3	MUS 390.....3
(PSY 200 or SOC 131)	MUS 190.....2	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3
Gen. Ed. E-1A.....3	Gen. Ed. E-4.....3	MUS 290.....2	Total.....15
Free Elective.....3	Gen. Ed. E-3A (MUH 273).....3	BTS 300.....0	
CIS 212 or INF 104.....3	Total.....17	Total.....14	
Total.....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	ACC 202.....3	MKT Elective.....3	GBU 480.....3
Gen. Ed. E-4.....3	GBU 204.....3	FIN 300.....3	MUS 391.....3
Gen. Ed. E-1C.....3	Gen. Ed. E-3B.....3	MGT 340.....3	MKT Elective.....3
GBU 101.....3	Gen. Ed. E-5A.....3	MKT Elective.....3	Approved Business Elective...3
ECO 230.....3	MUS 191.....2	CIS 300.....3	Free Elective (Non-Business)..2
Total.....15	Total.....14	Total.....15	BTS 400.....0
			Total.....14

MARKETING B.B.A. - PGA GOLF MANAGEMENT OPTION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BTO 100.....1	ECO 230.....3	MGT 300.....3	MKT 405.....3
Gen. Ed. E-1A (ENG 101).....3	ACC 201.....3	MKT 300.....3	MGT 370.....3
Gen. Ed. E-3A.....3	QMB 200.....3	OHO 351.....3	Gen. Ed. E-6.....3
Free Elective.....3	Gen. Ed. E-4.....3	CIS 212 or INF 104.....3	MGT 206.....3
Gen. Ed. E-2 (MAT 112).....3	MGT 202.....3	MGT 204.....3	MKT 455.....3
Gen. Ed. E-5B.....3	Total.....15	Total.....15	Total.....15
(PSY 200 or SOC 131)			
Total.....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102).....3	ECO 231.....3	FIN 300.....3	GBU 480.....3
Gen. Ed. E-4.....3	ACC 202.....3	CCT 300W.....3	MKT 310.....3
Gen. Ed. E-3B.....3	GBU 204.....3	MGT 205.....3	NFA 449.....3
Gen. Ed. E-1C (CMS 210).....3	Gen. Ed. E-5A.....3	Gen. Ed. E-6.....3	MGT 207.....3
GBU 101.....3	MGT 203.....3	CIS 300.....3	MGT 208.....2
MGT 201.....3	Total.....15	MKT 350.....3	BTS 400.....0
Total.....18	Total.....15	Total.....18	Total.....14
Summer Semester	Summer Semester	Summer Semester	Summer Semester
PGM 349A.....0.5	PGM 349B.....0.5	PGM 349C.....0.5	PGM 349D.....0.5
			Fall Semester
			PGM 349E.....0.5

College of Education

Dr. Sherry Powers, Dean

sherry.powers@eku.edu

Dr. Laurence Hayes, Associate Dean

laurence.hayes@eku.edu

Dr. Faye Deters, Associate Dean

faye.deters@eku.edu

Combs 420

(859) 622-1175

www.coe.eku.edu

EKU: A LEGACY OF PREPARING EDUCATIONAL PROFESSIONALS SINCE 1874

COLLEGE OF EDUCATION STRATEGIC PLAN 2016-2020

Vision

The College of Education will be a premier college dedicated to innovative student engagement and success, advancing Kentucky, and impacting the world.

Mission

As a school of opportunity, the College of Education prepares and empowers learners to become dynamic partners in diverse communities.

Values

The College of Education's values permeate the mission and allow the college to achieve its vision:

- *ethical decision-making*, which is characterized by integrity, intentional stewardship of resources, and social responsibility;
- *intellectual vitality*, which is characterized by quality instruction & research, critical and innovative thinking, and on-going assessment;
- *equity*, which is characterized by sensitivity, respect, fairness, accommodation, and impartiality for all;
- *collaboration*, which is characterized by respectful, reciprocal accountability and service to local & global communities; and
- *reflective practice*, which is characterized by goal setting, self-evaluation, and a deep understanding of critical concepts and principles within one's discipline.

The College of Education is well known for preparing effective professionals for the disciplines within our college. At Eastern Kentucky University we strive to continuously learn and develop the most effective ways to prepare teachers, leaders, and other professionals for the variety of school and professional settings that exist today.

In order to achieve our **Vision for 2016-2020**, the College of Education will focus on four Strategic Goals.

- **Academic Excellence** - We will achieve academic excellence through **investing in students, staff, and**

faculty to support their professional growth.

- **Cultural Competency** - We will demonstrate our commitment to cultural competency through recruiting diverse candidates, faculty, and staff and providing structured opportunities for education and interaction with people from diverse backgrounds.
- **Stewardship of Place** - We will demonstrate our commitment to the development of stewardship of place through collaboration within the College, University, and community through advocacy, civic engagement, and stewardship.
- **Experiential Education** - We will achieve experiential education through infusing clinical experiences throughout our programs.

Strategic Initiatives and Strategies define the primary goals, outline our work for the next five years, and ensure we achieve our primary goals.

Ongoing Commitment is to prepare every candidate to be successful in all aspects of his/her professional career.

Ongoing Commitments

- Our curriculum is designed by faculty to meet educational goals of all candidates and is focused on candidate outcomes integrated in a clinical model.
- Our programs are focused on embracing individual differences in every aspect of the educational process.

EDUCATION AS THE NEW "CLINICAL" PROFESSION

"Teaching as a clinical profession means that education candidates are expected to become knowledgeable and to the fullest extent possible experts in the school learning sciences. Similarly, teacher education candidates are expected to become competent and also to the fullest extent possible excellent diagnosticians in the academic development of their school age students. Drawing from a scholarly knowledge base, more than adequate in scope and depth, teacher education candidates study with seasoned expert faculty in the College Education including MODEL to refine diagnostic skills

and learn to prescribe instructional strategies that will improve school age student performance in Kentucky and beyond.” Dr. James Bliss

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 grades education (5-9), special education, interpreter training, deaf and hard of hearing, and communication disorders are located in the College of Education. The college also has graduate degree and licensure programs in most of these areas, as well as in Counseling and Educational Leadership. Candidates in these programs are advised in the College of Education. Secondary 8-12, Grades 5-12, Birth – Primary (interdisciplinary early childhood education), and P-12 teaching programs are located in their respective colleges with candidates receiving academic advisement from the college of their major as well as a supplemental advisor from the College of Education.

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Base Teaching Initial and Advanced
Interdisciplinary Early Childhood Education (Birth to Primary) Elementary School (Primary - Grade 5) - Preparation includes the academic disciplines taught in the elementary school Middle School (Grades 5-9) - two teaching fields selected from English and communications, mathematics, science, or social studies; Secondary School (Grades 8-12) – biology, chemistry, earth science, English, mathematics, physics, or social studies,

Base Teaching
Middle/Secondary School (Grades 5-12) - agriculture, business and marketing education, family and consumer science, industrial education or engineering and technology Elementary/Middle/Secondary School (Primary - Grade 12) - art, foreign language (French, Spanish), health and physical education, integrated music, or school media librarian. Exceptional Children (Primary - Grade 12 and for collaborating with teachers to design and deliver programs) - learning and behavior disorders, moderate and severe disabilities (advanced only), hearing impaired, hearing impaired with sign proficiency, or communication disorders
Restricted Base
Computer Information Systems (Primary through Grade 12) Dance (Primary through Grade 12) Theatre (Primary through Grade 12)
Endorsements
Computer Science (Grades 8 through 12) Driver Education (Grades 8 through Grade 12) English as a Second Language (Primary through Grade 12) Environmental Education (Primary through Grade 12) Gifted Education (Primary through Grade 12) Instructional Computer Technology (Primary through Grades 12) Literacy Specialist (Primary through Grade 12) Mathematics Specialist (Primary through Grade 5) School Safety (Primary through Grade 12) Teacher Leader
Other Instructional Services - Advanced
School Guidance Counselor School Psychologist Principal (Primary through Grade 12) Supervisor of Instruction (Primary through Grade 12) Director of Pupil Personnel Director of Special Education Superintendent
Non-Teaching Undergraduate
American Sign Language and English Interpretation Deaf Studies American Sign Language Studies (Minor)
Advanced
Doctor of Education Human Services: Student Personnel Services in Higher Education Master of Arts in Teaching Mental Health Counseling Rank I Preparation Programs Standard Guidance Specialist in Education

MODEL LABORATORY SCHOOL

Model Laboratory School is one of the few remaining lab schools nationally, and the only one in Kentucky. EKU’s Model

EDUCATION

offers a full P-12 educational curriculum. Model is one of only a handful of lab schools left that serves a P-12 population. When the current building for Model was completed in the 1960s, it was a state-of-the-art facility allowing for individual and small group observations, demonstration teaching, and student teaching. Today, teacher educators agree not only that clinical teaching experiences are crucial in preparing teachers, but also that they should begin early in preparation programs. High standards in clinical teaching experiences require the kinds of settings only laboratory schools like Model can provide.

Universities are changing preparation programs for all school personnel significantly to include diverse clinical experiences that are developmental in sequence and provide opportunity for shaping the knowledge, skill, and disposition sets of future educational professionals. Kentucky's Education Professional Standards Board enacted a regulation requiring 200 clinical hours for initial teacher preparation prior to the professional semester or student teaching. In addition, clinical hours have been initiated for graduate or advanced preparation programs. As a result, a lab school, such as EKUs Model, plays a vital role in serving this new clinical preparation model for all educators. Additionally, it provides a site for research-based practices to prepare those planning to enter the profession and to retool currently practicing educators to enhance student engagement, learning, and achievement at all P-12 levels.

EKU KENTUCKY ADULT EDUCATION

The ECU Kentucky Adult Education program, directed by Dr. Paula Jones, serves residents of Madison, Clay, and Garrard counties. The ECU Kentucky Adult Education program is housed in the College of Education and is located in the Perkins Building. The mission of the ECU Kentucky Adult Education program is to support adults in returning to school to either 1) complete their GED and/or 2) prepare to move forward in college. Our ECU Kentucky Adult Education program serves current ECU students to further develop math, language and writing skills to move beyond development level courses. In addition, students are able to complete their Kentucky Paraeducator Certification through the ECU Kentucky Adult Education program. All classes and support offered through this program are free. Students can call 859-622-8065 to learn more about the Kentucky Adult Education programs in Madison, Garrard and Clay counties. Visit the ECU Kentucky Adult Education program at <http://adulteducation.eku.edu/>

Staff:

P. Jones (Director), A. Perkins (Madison, Lead Instructor), M. McClellan (Garrard, Lead Instructor), TBD (Clay, Lead Instructor)

THE KENTUCKY EDUCATIONAL COLLABORATIVE FOR STATE AGENCY CHILDREN (KECSAC)

Directed by Dr. Ronnie Nolan, is a statewide collaborative that works with state agencies, school districts and local programs to ensure that state agency children receive a quality education comparable to all Kentucky students and is housed in the College of Education. Visit the KECSAC program at <http://www.kecsac.eku.edu/>.

Staff:

R. Chapman, L. Cole, C. Held, K. Helton, E. McManus, R. Nolan (Director), M. Parker, K. Smith

The Migrant Education Program, housed in the College of Education and directed by Michael Hay, is a supplemental education program that provides support for migrant children and

their families. This program works to ensure that the appropriate academic services are offered to help migrant children do well in school and that they receive the needed levels of tutoring and instruction that will promote them to the next grade level. Migrant Education staff works with other school and community agencies to provide social and health needs that families may require. Visit the Migrant Education Program at <http://migrated.eku.edu/>.

POLICIES AND PROCEDURES

Professional Education Majors

To be recommended for certification, all candidates must meet the requirements for admission to professional education, complete a College of Education approved teaching curriculum, and pass the required PRAXIS II tests, PLT exam, or Kentucky test as established by the Education Professional Standards Board.

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, candidates should read and follow closely the transfer credits/courses section in Section Five of this *Catalog*.

Credit for Transient Work

Undergraduate students or students (candidates) pursuing initial certification in programs housed in the College of Education who wish to take course work at another higher education institution must have approval from the Dean of the College if they wish to apply that credit to their degree program. Candidates must be in good academic standing at ECU. Transient forms are initiated with the Tracking Specialist, Office of Education Services (coeadvising@eku.edu).

Overload

In the College of Education, overloads must be approved by the candidate's department chair. 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. Send requests to coeadvising@eku.edu.

Planned Curriculum

Planned curricula in the College of Education are maintained in Degree Works, a comprehensive set of web-based academic advising, degree audit, and transfer articulation tools that help candidates and their advisors negotiate program requirements. Changes in the planned curriculum, initiated on the College Exception form, must include a recommendation for change by the advisor and be 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 candidate'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 candidate's planned curriculum is required for graduation.

Progressing in Professional Education

Candidates shall not enroll in any educator preparation program courses restricted to admitted candidates.

Application for Graduation

Candidates must file an application for graduation in accordance with university policy found in the Graduation and Commencement Information section of this catalog. Applications for graduation are available online through EKU Direct.

Student Teaching

Since student teaching is especially demanding, candidates are encouraged to avoid taking any other courses during CED 499 The Professional Semester.

Admission to the College of Education

Preparing a Community of Exemplary Professionals

- Upon admission to the College of Education, students are assigned an advisor. Candidates must enroll in Academic Orientation, EDO 100, during the first semester. Candidates are advised to enroll in EDF 203, Schooling and Society, during their freshman year. EDF 310 will be required for students who have an equivalent transfer course for EDF 203 or EDF 219.
- 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 clinical education.

CPEP

Center for the Preparation of Educational Professionals

OFFICES		
Clinical Education	Student Success	Licensure and Certification
Director Dr. Ann Burns	Director Mr. Craig Chapman	Director Dr. Margaret Moore
Combs 427	Combs 424	Combs 426

STUDENT SUCCESS

Staff

C. Chapman (Director), D. Insley (Academic Advisor), K. Fox (Tracking Specialist)

Our goal is to recruit and support completion of high-quality candidates from a broad range of backgrounds and diverse populations.

**ADVISING - coadvising@eku.edu
Bert Combs 423
(859) 622-1828**

The CPEP Office of Student Success is committed to serving the needs of students. Students are assisted with advising through consultations with staff. Staff support first-year and transfer students in their transition to college. Academic coaching, tracking

and graduation checkout services are provided to students as they progress through their degree programs. Recruitment and retention efforts for the College of Education are coordinated by CPEP Student Success staff. The Office of Student Success coordinates all marketing efforts for the College of Education.

LICENSURE AND CERTIFICATION

Staff:

K. Alexander, K. Dickens, L. Lanter, M. Moore (Director)

Located in Bert Combs 425, the Center for the Preparation of Educational Professionals (CPEP) Office of Licensure and Certification is responsible for the coordination of admission to initial and advanced professional education programs and the review and recommendation for initial and advance licensure.

In addition, applications for licensure for teachers, school personnel (principals, supervisors, superintendents, counselors, pupil personnel directors, business administrators, librarians, and speech pathologists) are also processed by a certification official in the Office of Licensure and Certification.

To be recommended for licensure/certification, all candidates 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 program, and pass the required PRAXIS II tests, PLT exam or Kentucky test as established by the Education Professional Standards Board.

Candidates are advised to enroll in EDF 203, Foundations of Education, during their freshmen year.

TEACHER ADMISSION

teacher.admissions@eku.edu

Bert Combs 425

(859) 622-1832

ADMISSION REQUIREMENTS and APPLICATION PROCESS

Admission to Professional Education

Professional education admission standards represent our goal to recruit candidates who have high academic achievement and ability. We welcome you to the profession.

Admission to the University (academic college) is not synonymous with admission to professional education. Candidates will apply for admission to professional education in the College of Education's Office of Licensure and Certification (Combs 425). Formal applications will be accepted based upon completion of the following requirements:

A. Hours

- Candidates must complete 30 hours of credit (excluding developmental level courses).

B. Admission Test Requirement

Candidates must have a passing score on the following tests:

Core Academic Skills for Educators (CASE): Reading (156); Writing (162); Mathematics (150).

C. GPA and Grade Requirements

- An institutional grade point average 2.75 on a 4.0 scale; or a grade point average of 3.0 on a 4.0 scale on the last thirty hours of credit completed.
- A grade of "C" or higher in EDF 203 (A state criminal history background check approved by the College of Education must

be completed prior to the first day of class).

- “S” grade in EDF 310 and a grade of “B” or higher in CED 150 is required for all transfer candidates.

Undergraduate degree candidate GPA is based on the hours attempted as shown on the official EKU transcript. Post degree certification candidate GPA is based on all undergraduate course work and on the hours attempted as shown on the official EKU transcript.

D. Demonstrate an Overall Disposition Essential to Being an Effective Teacher

Candidates must demonstrate proficiency in oral and written communication including:

- Critical thinking: A grade of “C” or higher in ENG 102 or HON 102 with a grade of “B” or higher in ENG 105 (those earning a “C” must also take ENG 102).
- Creativity: A grade of “C” or higher in EDF 203.
- Collaboration: A grade of “C” or higher in EDF 203.
- Communication: A grade of “C” or higher in CMS 100 or CMS 210.

E. Professional Code of Ethics, Character Fitness Declaration, and Professional Dispositions

- Candidates must review the Professional Code of Ethics for Kentucky School Certified Personnel established in 16 KAR 1:020 and sign a COE Professional Code of Ethics for Kentucky Declaration form.
- Candidates must review the character and fitness questionnaire contained in Section III of the TC-1 incorporated by reference in 16 KAR 2:010 and sign a COE Professional Character and Fitness Declaration form. EKU College of Education requires a state criminal history background check approved* by the College of Education as a condition of admission. Under certain circumstances, a national criminal history background check may be required as a condition of admission.
- Candidates must demonstrate understanding of professional dispositions expected of professional educators. Candidates must review and sign a COE Professional Dispositions Declaration form.

* “Approved” is a formal review process of the professional character and fitness declaration and criminal records report. Professional disposition issues or violations of the professional code of ethics will be referred to the Professional Education Admission Committee. Any misrepresentation of facts, by omission or addition, may result in the denial of admission to teacher education.

F. Recommendations

Candidates must submit satisfactory pre-service professional disposition reviews from two EKU faculty members including the EDF 203 or EDF 310 instructor and the advisor or another EKU faculty member.

- Candidates must complete and sign a Candidate Statement of Commitment Regarding Professional Dispositions form.

G. Student Behavior

- Candidates preparing to work in schools as teachers or other professional school personnel must demonstrate dispositions necessary to help all students learn.
- Candidates must demonstrate acceptable social behavior at the University and in the community-at-large.* A candidate

interview may be required by the Professional Education Admissions Committee.

- Candidate admission status may be reevaluated if the candidate is placed on either academic or social probation or has a record of criminal conviction(s).* A candidate interview may be required by the Professional Education Admissions Committee.

*The Office of Licensure and Certification will contact the Eastern Kentucky University Office of Student Rights and Responsibilities to obtain records of infractions committed by candidates for admission to professional education. The Office of Licensure and Certification may also contact the Administrative Office of the Courts to obtain a criminal records check for each candidate for admissions to professional education.

H. Clinical Experiences

- CED 100 - Clinical I: Introduction to the Education Profession with a grade of “B” or higher.

Progressing in Professional Education

The Office of Licensure and Certification will process the formal “Application for Admission to Professional Education.” The Professional Education Admissions Committee (PEAC) 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 candidate will be notified of the committee’s decision. Candidates shall not enroll in any educator preparation program courses restricted to admitted candidates.

Selectivity during Preparation

Professional education programs have established transition points for program progression and monitors candidates’ advancement from admissions through completion. During these transitions, candidates’ must show evidence of developing content knowledge, pedagogical content knowledge, pedagogical skills, and the integration of technology in each of these domains. [CAEP Standard 3]

CERTIFICATION - coecert@eku.edu

**Bert Combs 425
(859) 622-1829**

SELECTION AT COMPLETION

Prior to recommending any candidate for licensure, candidates’ must demonstrate an understanding of the expectations of the profession, including codes of ethics, professional standards of practice, and relevant laws and policies. [CAEP Standard 3]

APPLICATION FOR LICENSURE/CERTIFICATION

Exams

Prior to recommendation for licensure, candidates must complete PRAXIS II Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams.

NOTE: Kentucky educator licensure/certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board (EPSB) website at www.epsb.ky.gov for current test requirements and current cut scores. You may also contact the EPSB Division of Professional

Learning and Assessment at (502) 564-5778.

Applying for Licensure

Kentucky certification is based upon the completion of an approved teacher preparation program, including student teaching and applicable tests. This process requires a recommendation from a certification official in the Office of Licensure and Certification.

Certification

Applications may be obtained from the EPSB website at <http://www.epsb.ky.gov/certification/index.asp>. Applications for licensure should be filed in the Office of Licensure and Certification, Bert Combs 425, 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.

Candidates must also request and send an official transcript to the EPSB. Be sure that you note "Hold for Degree" if your degree has not been posted at the time you complete the request form. You may access the EKU transcript request form at <http://registrar.eku.edu/Transcripts>. The recipient of the transcript will be the EPSB. You will be asked to provide their mailing address:

Education Professional Standards Board
Division of Certification
100 Airport Road, 3rd Floor
Frankfort, KY 40601

CLINICAL EDUCATION

Staff:

J. Dantic (Assistant Director), K. Montgomery, P. Petrilli (Director), L. Weitkamp

Preparing a Community of Exemplary Professionals

Clinically based professional education programs create varied and extensive opportunities for candidates to connect what they learn while being guided by skilled clinical educators. Performance-based assessments, at key points in the program, are designed to demonstrate candidates' development of the knowledge, skills, and professional dispositions associated with a positive impact on the learning and development of all P-12 students. [CAEP Standard 2]

The Clinical Model at Eastern Kentucky University is designed to meet the needs of learners in today's schools and provide teacher candidates with the content, pedagogy, and assessment skills needed to assure they meet the needs of all learners. Eastern Kentucky University's Professional Education Program provides a framework that supports our candidates' development of content knowledge, practice, and professional behaviors. This is accomplished through high quality instruction, engaging course-learning tasks, and clinical learning experiences requiring candidates to think critically and creatively, communicate effectively, and act fairly. Our candidates will be prepared to effect change in the culture of learning in their classrooms, in our region, and beyond.

Clinical I: CED 100: Introduction to the Education Profession (CED 150 is designed for all transfer students) (10 hours in laboratory clinical)

Clinical Experiences begin with the first semester of the program, Introduction to the Education Profession (Clinical 1). This laboratory based clinical includes guided walkthroughs at all levels of P-12 education. Candidates also spend 6 hours in a classroom

assisting and helping a teacher. While teacher candidates are introduced to all levels of public school education, they are also introduced to the profession, expectations, and dispositions of professional educators including the ethics of educators. Teacher candidates are guided to consider whether this is the right career choice, and, if it is, what level or specific licensure area interests them.

Clinical II: CED 200: Understanding the Learner (minimum of 10 school based clinical hours)

Clinical II provides laboratory based clinical experiences in the co-requisite course(s). Teacher candidates are placed in a classroom for a minimum of 10 clinical field hours. Candidates assist the teacher, provide individual student help, and tutor students as needed. Teacher candidates are also expected to spend at least 2 of the 10 hours helping with an after-school event (Family Fun Night, Saturday School Festival, theater or dance events, art shows/exhibits, musical events, Odyssey of the Mind events or practice, rehearsals etc).

Clinical III: CED 300: Curriculum and Instructional Design (minimum of 50 school based clinical hours)

Clinical III focuses on curriculum and instructional design in a school based clinical, with a focus on using formative assessment in the classroom. Teacher candidates observe and assist their assigned cooperating clinical teacher while learning the principles of curriculum and instructional design. Teacher candidates plan, teach and reflect on a minimum of 3 formal lessons in their assigned classroom. It is recommended that teacher candidates and cooperating teachers begin this clinical experience using co-teaching strategies and working together. The clinical educator and cooperating clinical teacher provide feedback using a formal observation instrument. Teacher candidates in need of more mentoring are provided additional time and support to improve performance before advancing.

Clinical IV: CED 400: Diagnosis and Prescription (minimum of 50 school based clinical hours)

In Clinical IV, teacher candidates focus on diagnosis and prescription of student behavior and academic performance in this school based clinical. Teacher candidates develop and implement a student improvement plan for behavior using Applied Behavior Analysis and an academic improvement plan for achievement based on student learning data. In addition teacher candidates plan, teach and reflect on a minimum of three formal lessons observed by their clinical educator and cooperating clinical teacher.

Clinical V: CED 450 Practice Teaching- Residency I (formerly Methods) (minimum of 80 school based clinical hours)

CED 450, Clinical V, Residency I, requires a minimum of 80 school based clinical experiences. Candidates are expected to practice teaching for full days on their clinical schedules. This is the first part of the yearlong clinical or residency. Candidates will demonstrate expertise at planning, teaching, assessing achievement, writing units, developing professional growth plans, reflecting on outcomes, and collaborating with teachers at their assigned clinical placement school. Teacher candidates plan, implement and reflect on a minimum of 3 formal lesson plans during this clinical. All other lessons candidates are assigned to

teach include lesson planning and writing. Candidates focus on improving student achievement while considering the student growth goals for their individual classroom. Monitoring and tracking student success with a plan for re-teaching throughout the duration of the year-long residency is required.

Clinical VI: The Professional Semester

CLINICAL PLACEMENT

The Professional Semester and Clinical Experiences

ekufieldplacement@eku.edu

ekustudentteaching@eku.edu

Bert Combs 427

(859) 622-8620

- The Office of Clinical Experiences receives and evaluates all applicants for the professional semester, determines appropriate professional disposition of the applicant, 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 guides the candidate assignments.
- Candidates are discouraged from taking any other courses during the professional semester.
- Candidates of senior standing (90 hours or more with a minimum of 12 semester hours residence at ECU) may enroll in the professional semester if they have satisfied the following requirements:

Application for The Professional Semester

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 professional 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 active Degree Works plan which reflects any and all approved changes.
2. All prerequisites in professional education and pre-professional teaching semester curricula in the applicant's area as prescribed by the *Catalog*, must be completed prior to the professional semester.
3. Recommendation made by the applicant's advisor.
4. A record or report from a valid and current medical examination, which shall include a tuberculosis (TB) risk assessment.

5. Professional Code of Ethics, Character Fitness Declaration, and Professional Dispositions:

- Candidates must review the Professional Code of Ethics for Kentucky School Certified Personnel established in 16 KAR 1:020 and sign a new COE Professional Code of Ethics for Kentucky Declaration form.
- Candidates must review the character and fitness questionnaire contained in Section III of the CA-1

incorporated by reference in 16 KAR 2:010 and sign a new COE Professional Character and Fitness Declaration form. KRS 161.042 requires a state and national criminal records check as a condition for admission to student teaching. Applicants must process a criminal records check in the district in which student teaching will occur and submit a copy of the report to the Office of Clinical Experiences for approval* by the College of Education.

- Candidates must demonstrate understanding of professional dispositions expected of professional educators. Candidates must review and sign a new COE Professional Dispositions Declaration form.

*"Approval" is a formal review process of the professional character and fitness declaration and criminal records report. Professional disposition issues or violations of the professional code of ethics will be referred to the Professional Education Admission Committee. Any misrepresentation of facts, by omission or addition, may result in the denial of admission to student teaching and revocation of admission to teacher education. Approval is required prior to entry in the professional teaching experience.

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 professional semester recommendation and the College of Education.

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.

- All programs: An overall grade point average of 2.75 on a 4.0 scale; or a grade point average of 3.0 on a 4.0 scale on the last thirty hours of credit completed. Instructional Technology: Candidates must complete EDF 204 with a grade of "C" or higher; candidates enrolled in a P-12 music education program will take MUS 384 with a grade of "C" or higher; Clinical Experiences: CED 100, 200, 300, 400, 450 with a grade of "B" or higher in each course.
- Elementary and Middle Grade: Minimum 2.75 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).
- Secondary: Minimum 2.75 GPA in teaching major(s), minor(s), area(s) of academic emphasis, and certification endorsement(s). See program area for specific course grade requirements; and a minimum 2.75 GPA with a grade of "C" or higher in courses in "professional education requirements" (see program display for a list of courses). A minimum of seventy-five percent of major and seventy-five percent of supporting course requirements must be completed prior to the professional semester. Individual program areas may require a higher percentage of credit hours completion prior to the professional semester.
- Special Education: Minimum 2.75 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).

8. Candidates must submit satisfactory pre-service disposition reviews from their advisor and a designated methods instructor as part of the application process.
9. Candidates must submit satisfactory pre-service disposition reviews from one cooperating teacher and one university supervisor at the end of the professional semester experience.
10. Minimum of 200 hours of field experiences in a variety of Primary-12 school settings which allow the candidate to participate in the following:
 - A. Engagement with diverse populations of students which include (1) Students from a minimum of two different ethnic or cultural groups of which the candidate would not be considered a member; (2) students from different socioeconomic groups; (3) English language learners; (4) Students with disabilities; and (5) Students from across elementary, middle school, and secondary grade levels
 - B. Observation in schools and related agencies, including but not limited to: Family Resource Centers or Youth Service Centers
 - C. Student Tutoring
 - D. Interaction with families of students
 - E. Attendance at school board and school-based council meetings
 - F. Participation in a school-based professional learning community
 - G. Opportunities to assist teachers or other school professionals.

Clinical experience hours are submitted and performance evaluated during the term the candidate enrolls in a clinical course. In order to qualify for admission to the professional semester candidates must demonstrate that they have met all clinical performance requirements as evidenced on performance-based assessments to demonstrate candidates' development of the knowledge, skills, and professional dispositions that are associated with a positive impact on the learning and development of P-12 students and earn a grade of B or higher in each clinical course.

11. Other requirements as found in the appropriate department presentation.

DEPARTMENT OF AMERICAN SIGN LANGUAGE & INTERPRETER EDUCATION

Interim Chair
Dr. Laurence Hayes
(859) 622-4966
Wallace 216

Faculty

M. Ballard, B. Bowen, L. Bozeman, V. Brashear, K. Hale, L. Hayes, A. Milcznski, K. Millsap, K. Petronio, D. Roush, T. Stevens, and D. Williams.

All students who are accepted by EKU's Admissions

Office and declare their major as Deaf Studies or as ASL and English Interpretation are admitted as "pre-Deaf Studies" or as "pre- ASL and English Interpretation" majors. However, admission to the University as a "pre-Deaf Studies" or "pre-ASL and English Interpretation" major does not guarantee admission to the Deaf Studies program or the ASL and English Interpretation program. Specific admission criteria for each program are explained below.

Transfers from Other Colleges and Universities

Only the freshman and sophomore-level core courses [i.e. courses in ASL (ASL 101, 102, 201, and 202, 225), and interpreting (ITP 215W, 220) with the exception of ASL 205] may be transferred from other colleges to satisfy requirements for majors or minors within the Department of ASL and Interpreter Education. Courses for which credit is to be transferred must be essentially equivalent to the courses offered at Eastern Kentucky University. For transfer students seeking admission to the ASL and English Interpretation program, requests to waive ASL 105 and 106 may be considered on a case-by-case basis.

BACCALAUREATE DEGREES

BACHELOR OF SCIENCE (B.S.) ASL AND ENGLISH INTERPRETATION *CIP Code: 16.1603*

Admission Criteria

- Overall GPA of 2.5 or higher by the end of the semester preceding application, and
- ASL 106 with a grade of "Satisfactory", and
- ASL 201 and 202 with a grade of "B" or higher, and ITP 215W and 220 with a grade of "C" or higher and
- 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.

Application Information

- Enrollment is limited.
- Application to the ITP does not guarantee acceptance.
- The ITP accepts students for the fall semester of all even years (i.e., 2018, 2020, etc.). Deadline for application is March 15th every even year.

Progression and Retention in the Program

- A grade of "C" or higher is required for all ITP and lecture-based ASL courses (ASL 225, 325, 390, 425), and
- A grade of "B" or higher is required (with the exception of no more than one grade of "C") for all skill-based ASL courses (ASL 301, 302, 305, 306, 310), and
- Maintain a 2.75 GPA in the major
- Upon successful and timely completion of ITP 470 Practicum I, a student will be permitted to take ITP 495 Practicum II

only with written recommendations from the ITP faculty and the department.

Program Goal

The goal of the ASL-English Interpretation Major is to prepare professional interpreters who are competent, ethical, and life-long learners.

Program Objectives

The objectives (or outcomes) of this program are:

1. Students of the program will develop critical and creative thinking skills.
2. Students of the program will develop competency in ASL
3. Students of the program will develop competency in English.
4. Students of the program will possess a generalist level of knowledge in professional issues, theories, and multicultural dynamics related to the interpreting profession.
5. Students of the program will demonstrate ethical and culturally competent decision-making in various interpreter settings.
6. Students of the program will demonstrate at least entry-level competency in interpreting between ASL and English.
7. Students of the program will be able to critically assess their own work and use creative problem-solving to continually develop themselves after they leave the program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education (hours share with supporting courses) 36 hours
- Student Success Seminar (EDO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - ASL and English Interpretation majors will fulfill ACCT with ITP 495. (Credit hours are incorporated into major requirements.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Prior to graduation, students are required to take the Sign Language Proficiency Interview (SLPI:ASL) or the American Sign Language Proficiency Interview (ASLPI) with scores submitted to the department. Administrators of the SLPI: ASL or ASLPI may charge testing fees to students.

Core Courses

ASL Requirements45 hours
 ASL 101, 102, 105, 106, 201, 202, 205, 225 301, 302, 305, 306, 310, 325, 380, 390, 425.

ITP Requirements40 hours
 ITP 215W, 220, 310, 325, 340, 410, 420, 425, 440, 470, 495.

Supporting Course Requirements6 hours

Diversity of Perspectives – Element 6
 ANT 120^G(Element 5B).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

TOTAL HOURS TO COMPLETE DEGREE125 hours

Note: ASL 101 & 102 are major core courses and will not count toward Gen. Ed. Element 6. Therefore ASL & English Interpretation majors are expected to fulfill Element 6 with courses other than ASL 101 & 102.

**BACHELOR OF ARTS (B.A.)
 DEAF STUDIES**

CIP Code: 16.1699

The Deaf Studies program is a multidisciplinary program that provides students with a foundation in American Sign Language (ASL) skills, a broad understanding of Deaf people’s histories, literature, and cultures, as well as knowledge of educational and legal issues affecting Deaf people. It will expand students’ understanding of what it means to be human. The Deaf Studies program is designed to allow students to complete a second major, or minor in another discipline therefore preparing them to specialize in service to Deaf people within their chosen discipline. The Deaf Studies degree does not prepare students to become professional interpreters, or ASL teachers upon graduation. The program may help prepare students to serve the diverse language and cultural needs of Deaf people in their chosen careers. These careers may include counselors, government specialists, community service coordinators/advocates, medical personnel, and law enforcement personnel. This program also prepares students for graduate study in Deaf studies, interpretation, ASL studies, and teaching ASL.

Program Objectives

Upon completion of this program the graduate will:

1. Communicate in American Sign Language with diverse Deaf and hard of hearing individuals..
2. Demonstrate a broad knowledge of Deaf people’s histories and cultures.
3. Demonstrate critical thinking skills related to topics in Deaf Studies.
4. Demonstrate analytical and thematic awareness of Deaf arts and literature.
5. Describe the diversity within Deaf communities.
6. Explain the history and dynamics of various forms of oppression.
7. Integrate knowledge of Deaf Studies with other disciplines of the student’s choosing.

Deaf Studies Program Admission Criteria

- ASL 201 and 202 with a grade of “B” or higher, and
- ASL 106 with a grade of “Satisfactory”, and
- ASL 225 and ITP 215W with a grade of “C” or higher, and
- 10 hours of documented participation in Deaf community events.

Progression and Retention in the Program

- A grade of “Satisfactory” is required for 205.
- A grade of “B” or higher is required (with the exception of no more than one grade of “C”) for all remaining ASL skills courses (ASL 301, 302, 305, 306, 310).
- A grade of “C” or higher is required for all remaining Deaf Studies courses (ASL 325, 380, 390, 425, 485S).

UNIVERSITY GRADUATION REQUIREMENTS

- General Education (hours share with supporting courses)

36 hours

- Student Success Seminar (EDO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Deaf Studies majors will fulfill ACCT with ASL 485. (Relevant credit hours will be incorporated into program requirements below.

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Prior to graduation, students are required to take the Sign Language Proficiency Interview (SLPI:ASL) or the American Sign Language Proficiency Interview (ASLPI) with scores submitted to the department. Administrators of the SLPI: ASL or ASLPI may charge testing fees to students.

Core Courses:

Language Requirements.....24 hours
 ASL 105, 106, 201, 202, 205, 301, 302, 305, 306, 310. A grade of "Satisfactory" is required for ASL 105, 106, and 205 and a grade of "B" or higher is required for all remaining American Sign Language skills courses (ASL 201, 202, 301, 302, 305, 306, 310).

Deaf Studies Requirements.....21 hours
 ASL 225, 325, 380, 390, 425, 485S, ITP 215W. A grade of "C" or higher is required for all Deaf Studies courses.

Free Electives.....38 hours
(Students are expected to create a reasoned plan of free elective courses, such as selecting a second major or adding a minor.)

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

Note: ASL 101 & 102 are not included as core courses for the Deaf Major. Therefore students who enter ASL 101 & 102, for the purpose of fulfilling General Education, and subsequently decide to declare the Deaf Studies major, may continue to use ASL 101 & 102 to fulfill Gen. Ed. Element 6.

At least 42 hours in the degree must be upper division courses.

MINOR

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 Deaf and hard-of-hearing community. For careers working with the public, this minor is beneficial for understanding and communicating with Deaf and hard-of-hearing people. This minor does not prepare students to interpret, nor fulfill the pre-admission and admission process for the ASL and English Interpretation Program.

A grade of "C" or higher is required in each course while maintaining a 2.75 GPA or higher in the minor.

Required Courses..... 15 hours

- ASL 201.....3
- ASL 202.....3
- ASL 301.....3

ASL 302.....3

ASL 225.....3

Electives 3 hours

ASL 305, 310, 325, 380, 385, 425, ITP 215W, or SED 337

Total Requirements..... 18 hours

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Chair

Dr. Ginni Fair, Chair

(859) 622-2154

Bert Combs 215

Faculty

K. Althaus, A. Blakely, J. Bucknam, D. Combs, J. Dantic, R. Day, D. Dent, F. Deters, G. Fair, T. Forde, T. Harris, S. Hinton, C. Hodge, S. Korsen, K. Maloley, N. Mason, P. McGuire, P. Petrilli, D. Porter, S. Powers, C. Resor, S. Townsend, R. Turner, M. Wilder, and Kwan Yi.

**BACHELOR OF SCIENCE (B.S.)
 ELEMENTARY EDUCATION P-5 TEACHING**

CIP Code: 13.1202

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (EDO 100 or HON 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT — Elementary Education majors will fulfill ACCT with CED 499. (Credit hours included in Professional Education requirements)

Total Hours University Graduation Requirements ... 37 hours

Upon completion of a degree in Elementary Education, candidates will: 1) demonstrate specific pedagogical skills and content knowledge necessary to perform as effective elementary educators; 2) demonstrate understanding and appreciation for students and families from diverse socioeconomic, cultural, learning and ethnic backgrounds as demonstrated through course observations, assignments and/or reflections.

CANDIDATES HAVE A CHOICE OF:

Elementary only; or Dual Certification in Elementary and Special Education (See Special Education Programs in catalog for Learning and Behavior Disorders + Elementary or Deaf and Hard of Hearing +Elementary.)

MAJOR REQUIREMENTS

Core Courses 33 hours

ELE 101, 102, 201, 302, 420(1), 421(2), 422(2), 423(2), 424(2), 475; EME 301 or MAE 302, 313; LIB 301 or 301S.

Professional Education Requirements 37 hours

EDC 300, EDC 106, 300; EDF 203, 204(2), 219, 413, EMS 300W, 490, SED 104 (°Element 6), and 14 credit hours of Clinical Experiences: CED 100(0.0), 200(0.0), 300(0.5), 400(0.5), 450(1), 499(12).

EDUCATION

Supporting Course Requirements 21 hours
Social Science: ^GElement 5A and 5B): HIS 102 or HON 312W; POL 101; GEO 100 or 220.
English: ^GElement 3B): ENG 210, 210W, 211, 211W, 212, 212W, HON 306W or 308W; ENG 303; EME 452.
Natural Sciences/Engineering: BIO 102 (^GElement 4), GLY 102 (^GElement 4), and CHE 104 or PHY 104, and EDC or TEC 314.
Mathematics: MAT 112 or higher (^GElement 2), MAE 201, and MAE 202.

^G = Course also satisfies a General Education element.
 Hours are counted only within the 36 hr. General Education requirement above.

TOTAL HOURS TO COMPLETE DEGREE.....128 hours

PRAXIS DISCLAIMER: Kentucky educator certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board website at www.epsb.ky.gov for current test requirements and current cut scores. You may also contact the Division of Professional Learning and Assessment at (502) 564-5778.

**BACHELOR OF SCIENCE (B.S.)
 MIDDLE GRADE EDUCATION (5-9) TEACHING
 CIP Code: 13.1203**

Upon completion of a degree in Middle Grade Education, candidates will: 1) demonstrate the broad general background knowledge, dispositions, and skills necessary to function as a literate, informed, active citizen, and to serve as a model for middle level students; 2) demonstrate the pedagogical skills and content knowledge necessary to meet Kentucky’s Teacher Standards in middle level classrooms; 3) demonstrate the appropriate dispositions to effectively meet the diverse needs of middle level students found in public schools.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
Middle Grade majors must meet General Knowledge for Professional Education requirements for math, arts, literature, history and science.
- Student Success Seminar (EDO 100 or HON 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Middle Grade Education majors will fulfill ACCT with CED 499. (Credit hours included in Professional Education requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 12 hours
 EMG 445 or 445W; EMG 447, and six hours from 491, 492, 493, 494, or 494W.

Professional Education Requirements 32 hours
 14 hrs of Applied Field Experiences: CED 100 (0), 200 (0), 300 (0.5), 400 (0.5), and CED 450 (1); CED 499(12), EDC 300; EDF 203; EDF 219 or 219W; EDF 413, EMS 300W, and 490.

Supporting Course Emphasis Requirements5 hours
 EDF 204(2), SED 104(^GElement 6), EDC 106

Concentrations (Areas of Emphasis):

Students seeking middle grade (5-9) certification must select **two** areas of emphasis from English and Communications, Mathematics, Science, and Social Studies. Supporting courses which are also general education courses will have their credit hours count above in the 36 hr. Gen Ed area.

English and Communications18 hours
 ENG 210, 210W, or HON 308W (^GElement 3B); ENG 211, 211W, 212, or 212W; ENG 303; ENG 350 or 351; EME 452, and LIB 401; CMS 100 or HON 102/103 (^GElement 1C); three hours selected from ENG 405, 510, 520, or EME 551.

Mathematics 21-22 hours
 EME 301 or MAE 302; MAE 305; MAE 201 and 202; MAT 211 or 234(4)(^GElement 2); MAT 203 and 303, and STA 230.

Science 18 hours
 AST 135; BIO 102(^GElement 4), and BIO 590; CHE 100 (^GElement 4), and GLY 102; GEO 115 or 315; PHY 102, and EDC/TEC 314.

Social Studies 18 hours
 ECO 120, 130, 230, or 231 (^GElement 5B); GEO 100 or 220; HIS 102 (^GElement 5A); HIS 103, 303, 304, 305, 308, 401, 402, 405, 406, or 424; HIS 100; HIS 101, 321, 336, 339, 343, 345, 363, 374, or 385; POL 100 or 101; and 3 hours selected from ANT 120, 325, EME 313, SOC 131, or SOC 345. Must take at least one HIS course at the 300 or 400 level.

^G = Course also satisfies a General Education element.
 Hours are included within the 36 hr. General Education requirement above. Note that a max of 6 credit hours will count toward Element 4 or 5.)

TOTAL HOURS TO COMPLETE DEGREE....122-126 hours

Candidates earning a degree that leads to teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams to be recommended for licensure in Kentucky. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (www.kyepsb.net/ AND www.ets.org/praxis). Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams. For additional information, candidates may also contact the EPSB Division of Professional Learning and Assessment at (859) 564-5778 or (888) 598-7667 (toll free).

**DEPARTMENT OF EDUCATIONAL
 LEADERSHIP & COUNSELOR
 EDUCATION**

Chair
Dr. William Place, Chair
(859) 622-1125
Bert Combs, Room 406

Faculty

R. Biggin, J. Bliss, A. Burns, R. Cleveland, L. Crouch, K. Engebretson, C. Hausman, C. Myers, K. Naugle, T. Shelton, T. Shepperson, C. Sommer, A. Spiers, S. Strong, S. Thompson, W.

Phillips, N. Powell, N. Underwood, and D. West.

To teach, to learn, to help others teach and learn.

The Department of Educational Leadership and Counselor Education offers degree and non-degree graduate programs. The department offers a doctoral degree (Ed.D.) in leadership and policy studies, a Master’s Degree, and a Specialist Degree. Certification programs include the principalship, supervisor, superintendent, and pupil personnel services. Through completion of the degree or certification programs, students may earn a change in their rank status.

The department offers undergraduate coursework in Human Services (HSR courses) as well as degree and non-degree graduate programs.

The Counseling and Educational Psychology unit offers graduate programs in school counseling and in mental health counseling. This unit also provides graduate instruction in the common core areas required of many 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 department website at www.cel.eku.edu/cep/.

DEPARTMENT OF SPECIAL EDUCATION

Chair
Dr. Karen Maloley
(859) 622-4442
Wallace 245

Faculty

J. Christensen, L. Clarke, J. Constantine, J. Coston, T. Cranfill, K. Ellis, D. Embury, M. Gremp, C. Hubbard, K. Maloley, S. Mohanna-Boden, D. Pitts.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
 COMMUNICATION DISORDERS**

CIP Code: 51.0204

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 CDS courses: CDS 275 and 360.

To apply for admission to the CD undergraduate program, students must meet the following minimum criteria: (1) at least 40 credit hours earned on 100-level courses or higher, (2) at least a 3.0 GPA on a 4.0 scale, (3) at least a 21 composite score on the ACT, and (4) pass a speech/language/hearing screening. The CD Program requires a state criminal history background check approved* by the College of Education as a condition of admission. Under certain circumstances, a national criminal

background check may be required as a condition of admission. Once admitted to the CD program, the student must earn a grade of “C” or higher in CDS 275 or equivalent transferred course before registering for any CDS courses in the major requirements. Once admitted to the CD program, students must earn a grade of “C” or higher in all CDS courses and supporting courses. 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 cd.eku.edu; telephone (859) 622-4442. Completed applications and all required documentation 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 information on admission to the graduate program.

An additional state criminal background check approved* by the College of Education is required prior to beginning CDS 374 or may be required at additional points in the program. Under certain circumstances, a national criminal background check may be required prior to beginning CDS 374. Students must purchase professional liability insurance prior to enrollment in CDS 374, 474, and 541. Further, that insurance coverage must be maintained throughout enrollment in these courses.

*“Approved” is a formal review process of the criminal records report. Violations will be referred to the Professional Education Admission Committee. Any misrepresentation of facts, by omission or addition, may result in the denial of admission to the Communication Disorders Program or enrollment in CDS 374.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (EDO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Communication Disorders majors will select: CDS 475. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses58 hours
 CDS 250, 273(1), 275, 285, 360, 365, 372, 373, 374*, 380, 464, 465, 474*, 475, 487, 525, 530, 541, 571W, and 572.

Supporting Course Requirements 12-30 hours
 ASL 101(^GElement 6); BIO 171, 301 or 303; ENG 410, 510, or 520; OTS 515; PSY(^GElement 5B) 200, 200W, 280, or 280W; SED 104(^GElement 6); SED 590, 518 or 518S; STA 215(^GElement 2), 270(^GElement 2) or 500.

(^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

Electives0-13 hours

EDUCATION

TOTAL HOURS TO COMPLETE DEGREE120-128 hours

*to a maximum of six hours

**BACHELOR OF SCIENCE (B.S.)
EDUCATION OF THE DEAF AND HARD OF
HEARING (P-12)
CIP Code: 13.1003**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (EDO 100; waived for transfers with 30+ hrs.)1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Deaf and Hard of Hearing Education majors will select: CED 499 (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

Core Courses24 hours
SED 260, 337, 375, 538, 545, 580, and 581; SED 518 or 518S.

Professional Education Requirements34 hours
EDC 300, EDF 203, 204(2), 219, EMS 300W, 490 or SED 590, SED 104 (^GElement 6), 510*, and 11 credit hours of Clinical Experiences: CED 100(0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

* SED 510 = EDF 413

Concentrations (select one):

1. Elementary Education (P-5) Requirements.....27 hours
ELE 101 or 102; ELE 201, 302, 420(1), 421(2), 422 (2), 423(2), 424(2), 475; EME 301 or MAE 302, 313; LIB 301.

2. Middle Grade Education (5-9) Requirements..9 hours
EMG 445 or 445W and 447; and three hours from EMG 491, 492, 493, or 494.

Supporting Course Requirements:

1. Elementary Education (P-5) Supporting

Courses.....21 hours

ASL 101(^GElement 6), 102 (^GElement 6), 201.

Social Science: (^GElement 5A and 5B): HIS 102 or HON 312W; POL 101

English: (^GElement 3B):ENG 210, 210W, 211, 211W, 212, 212W, HON 306W or 308W; ENG 303; EME 552 or ENG 410

Sciences/Engineering: BIO 102 (^GElement 4), GLY 102 (^GElement 4), CHE 104 or PHY 104, and EDC 314

Mathematics: MAT 112 (^GElement 2), MAE 201, and MAE 202.

2. Middle Grade Supporting and Area of Emphasis Requirements

a.) Supporting Courses..... 12 hours
ASL 101(^GElement 6), 102 (^GElement 6), 201; MAE 201, 202, and EME 301 or MAE 302.

b.) Area of Emphasis..... 18-23 hours
Candidates seeking middle grade (5-9) certification must select one area of emphasis from the following list and complete the specified courses: English and Communications, Mathematics, Science, Social Studies. (See options list under Middle Grade Education (5-9) for a list of courses and

block statements. Some emphasis courses are also General Education courses and therefore will count in both areas, reducing total hours to degree.)

(^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.)

TOTAL HOURS TO COMPLETE DEGREE134-143 hours

In order to receive certification in Hearing Impaired with Sign Proficiency candidates must be admitted to that program and pass the American Sign Language Proficiency Interview (ASLPI).

PRAXIS DISCLAIMER: Kentucky educator certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board website at www.epsb.ky.gov for current test requirements and current cut scores. You may also contact the Division of Professional Learning and Assessment at (502) 564-5778.

**BACHELOR OF SCIENCE (B.S.)
SPECIAL EDUCATION/TEACHING
CIP Code: 13.1001**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (EDO 100; waived for transfers with 30+ hrs.)1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT – Special Education Teaching majors will fulfill ACCT with CED 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Students must see their advisor early in the program.

LBD Core Courses15 hours
SED 260, 356, 375, 445, and 305.

Professional Education Requirements35 hours
EDC 300, EDF 203, 204(2); EDF 219; SED 104(^GElement 6), SED 270*, 350*, 390*, EMS 300W; and 11 credit hours of Clinical Experiences: CED 100(0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

*SED 270 = EDF 204; SED 350 = EDF 413; SED 390 = EMS 490.

Concentrations: (select one)

LBD-Elementary Core Courses.....27 hours
ELE 101 or 102, 201, 420(1), 421(2), 422(2), 423(2), 424(2); ELE 475, EME 301 or MAE 302, EME 313; LIB 301.

Elementary Supporting Course Requirements18 hours

Social Science: (^GElement 5A and 5B): HIS 102 or HON 312W; POL 101

English: (^GElement 3B):ENG 210 or 210W, 211 or 211W, 212 or 212W, HON 306W or 308W; ENG 303; EME 552 or ENG 410.

Sciences/Engineering: BIO 102 (^GElement 4), GLY 102 (^GElement 4), CHE 104 or PHY 104, and EDC 314
Mathematics: MAT 112 (^GElement 2), MAE 201, and MAE 202.

LBD-Middle Grade Education (5-9)9 hours
EMG 445 or 445W; 447; and three hours from EMG 491,

492, 493, or 494 (associated with area of emphasis).

Supporting Course Requirements:

Middle Grade Supporting and Area of Emphasis Requirements: (5-9)

Supporting Courses9 hours
 MAE 201, 202, and EME 301 or MAE 302.

Area of Emphasis18-22 hours

Candidates seeking middle grade (5-9) certification must select one area of emphasis from the following list and complete the specified courses: English and Communications, Mathematics, Science, Social Studies. (See options list under Middle Grade Education (5-9) for a list of courses and block statements. Some emphasis courses are also General Education courses and therefore will count in both areas, reducing total hours to degree.)

TOTAL HOURS TO COMPLETE DEGREE.....126-132 hours

PRAXIS DISCLAIMER: Kentucky educator certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board website at www.epsb.ky.gov for current test requirements and current cut scores. You may also contact the Division of Professional Learning and Assessment at (502) 564-5778.

ASSOCIATE DEGREE

**ASSOCIATE OF ARTS IN GENERAL STUDIES
 (A.A.)
 GENERAL STUDIES**

The Associate of Arts in General Studies degree provides students, especially adult learners, the opportunity to pursue a flexible degree program to meet their unique interests, career goals, and academic needs. Reflecting EKU’s commitment to a liberal arts education, the degree allows students to concentrate in an area of interest while selecting from a wide variety of courses to meet personal, educational, or career goals. This degree is designed for students for whom this will be their first college degree and who wish to advance in their careers, change careers, pursue a lifelong interest beyond their careers, or use the degree as a pathway to a baccalaureate degree. Students who are admitted as “Special Admittance/Conditional Admittance” will be initially admitted into the Associate of Arts in General Studies degree program.

UNIVERSITY GRADUATION REQUIREMENTS

General Education36 hours
 Standard General Education program (Elements 1-6 inclusive, per Section Four of this Catalog). Students should refer to their DegreeWorks audit for General Education course selections.

Student Success Seminar (GSD 101 or GSO 102; waived for transfers with 30+ hours)3 hour

Total Hours University Graduation Requirements.....39 hours

MAJOR REQUIREMENTS

- *AA General Studies Students must earn an institutional GPA of 2.0 on all work earned at EKU, as well as an overall GPA of 2.0 on combined transfer and EKU*

graded coursework.

- *AA General Studies students must earn at least 15 semester hours at EKU.*
- *AA General Studies students will declare either a college of focus for their core courses or a departmental concentration prior to registration during the semester in which they register for their 45th hour.*
- *AA General Studies students must complete an approved 12-hour emphasis with an overall 2.0 GPA within an individual college outside of the General Education requirement.*

Core Courses.....12 hours

Courses must be within an individual College and exclusive of general education requirements. The optional departmental concentration (see below) may be substituted for this area.

Education Concentration.....13 hours

EDF 203, 204, 205, and SED 104.

Students planning to apply for admission to the Teacher Education Program after completing the AGS degree should also Enroll in CMS 100 or 210, BIO 102 or PHY 102, and HIS 202. *Students should confer with a College of Education Advisor to determine the required math course for each specific program.*

MINOR

SPECIAL EDUCATION (NON-TEACHING)

Prerequisites must be honored.

Required Courses.....12 hours

SED 104, 260, 518 or 518S, and 590.

Electives.....6 hours

SED 207, 240, 337, 351 or 576 or 352, 500, 511, 530, 535, 578.

Total Requirements.....18 hours

EDUCATION

DEPARTMENT OF AMERICAN SIGN LANGUAGE & INTERPRETER EDUCATION			
ASL AND ENGLISH INTERPRETATION B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASL 101 .....3	ASL 201 .....3	ASL 301 .....3	ASL 425 .....3
ASL 105 .....1	ASL 205 .....1	ITP 310 .....3	ITP 410 .....1
ENG 101 .....3	ASL 225 .....3	ITP 325 .....3	ITP 420 .....3
MAT 105 .....3	Gen. Ed. E-3B .....3	ASL 305 .....3	ITP 470 .....3
EDO 100 .....1	Gen. Ed. E-4 .....3	ASL 325 .....3	ITP 440 .....3
Gen. Ed. E-6 .....3	Gen. Ed. E-6 .....3	Total .....15	ASL 380 .....3
Total .....14	Total .....16		Total .....16
Second Semester	Second Semester	Second Semester	Second Semester
ASL 102 .....3	ASL 202 .....3	ASL 302 .....3	ITP 495 .....12
ASL 106 .....1	ITP 215W .....3	ASL 310 .....3	Total .....12
Gen. Ed. E-1B (ENG 102) .....3	ITP 220 .....3	ASL 306 .....3	
Gen. Ed. E-1C .....3	Gen. Ed. E-3B .....3	ITP 340 .....3	
Gen. Ed. E-4A .....3	Gen. Ed. E-6 .....3	ITP 425 .....3	
Gen. Ed. E-5A .....3	Gen. Ed. E-5B (ANT 120) .....3	ASL 390 .....3	
Total .....16	Total .....18	Total .....18	

DEAF STUDIES B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASL 101 .....3	ASL 201 .....3	ASL 301 .....3	ASL 425 .....3
ASL 105 .....1	ASL 205 .....1	ASL 305 .....3	ASL 380 .....3
ENG 101 .....3	ASL 225 .....3	ASL 325 .....3	Free Elective .....3
MAT 105 .....3	Gen. Ed. E-3B .....3	Free Electives .....6	Free Elective .....3
EDO 100 .....1	Gen. Ed. E-4 .....3	Total .....15	Free Elective .....3
Gen. Ed. E-4 .....3	Gen. Ed. E-5B .....3		Total .....15
Total .....14	Total .....16		
Second Semester	Second Semester	Second Semester	Second Semester
ASL 102 .....3	ASL 202 .....3	ASL 302 .....3	ASL 485S .....3
ASL 106 .....1	ITP 215W .....3	ASL 306 .....3	SED 337 .....3
Gen. Ed. E-1B (ENG 102) .....3	Free Elective .....3	ASL 390 .....3	Free Elective .....3
CMS 100 or 210 .....3	Free Elective .....3	ASL 310 .....3	Free Elective .....3
Gen. Ed. E-3A .....3	Free Elective .....3	Free Elective .....3	Free Elective .....2
Gen. Ed. E-5A .....3	Total .....15	Total .....15	Total .....14
Total .....16			

DEPARTMENT OF CURRICULUM AND INSTRUCTION			
ELEMENTARY EDUCATION TEACHING P-5 B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100 .....1	EDF 219 OR 219W .....3	EMS 300W .....3	ELE 420 .....1
EDF 203 .....3	CED 200 .....0	CED 300 .....0.5	ELE 475 .....3
CED 100 .....0	EDF 204 .....2	EDC 300 .....3	ELE 421 .....2
SED 104 (E-6) .....3	MAE 201 .....3	EME 301 .....3	ELE 422 .....2
ENG 101 or 105 (E-1A) .....3	PHY 104 .....3	ELE 302 .....3	ELE 423 .....2
MAT 112 (E-2) .....3	HIS 102 (E-5A) .....3	EME 552/452 .....3	ELE 424 .....2
Gen. Ed. E-4 (BIO 102) .....3	ELE 201 .....3	TOTAL .....15.5	CED 450 .....1
TOTAL .....16	TOTAL .....17		TOTAL .....13
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) .....3	MAE 202 .....3	ELE/EME 313 .....3	CED 499 .....12
CMS 100 or 210 (E-1C) .....3	POL 101 .....2	TEC/EDC 314 .....3	TOTAL .....12
ELE 101 .....3	GEO 100/220 .....3	ENG 303 .....3	
ELE 102 .....3	CHE 104 or Gen. Ed. E-3A .....3	CED 400 .....0.5	
GLY 102 .....3	ENG 210/211/212 .....3	EDF 413 .....3	
EDC 106 .....3	LIB 301S .....3	EMS 490 .....3	
TOTAL .....18	TOTAL .....18	Gen. Ed. E-6 .....3	
		Total .....18.5	

MIDDLE GRADE EDUCATION (5-9) B.S. - ELA/MATH

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219	3	EMS 300W	3	EMG 447	3
EDC 106.....	3	CED 200	0	EDC 300.....	3	EMG 491	3
EDF 203.....	3	Gen. Ed. E-3A.....	3	CED 300	0.5	EMG 494.....	3
CED 100.....	0	ENG 210 or 210W (E-3B).....	3	EMG.....	3	CED 450.....	1
SED 104 (E-6).....	3	MAE 202.....	3	Gen. Ed. E-5B.....	3	LIB 401.....	3
ENG 101 (E-1A).....	3	MAT 211 or 234.....	3	Gen. Ed. E-4.....	3	TOTAL	13
MAT 112 (E-2).....	3	Gen. Ed. E-6.....	3	EME 552.....	3		
TOTAL	16	TOTAL	18	TOTAL	18.5		
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)	3	ENG 211, 211W, 212, or 212W.....	3	EDF 413	3	CED 499.....	12
HIS 102	3	ENG 350 or 351.....	3	EMS 490.....	3	TOTAL	12
EDF 204.....	2	Gen. Ed. E-4.....	3	CED 400	0.5		
STA 230.....	3	MAE 305.....	3	ENG Elective.....	3		
MAE 201	3	ENG 303.....	3	MAE.....	3		
CMS 100 or 210.....	3	EME 301/MAE 302.....	3	MAE.....	3		
TOTAL	17	TOTAL	18	TOTAL	15.5		

MIDDLE GRADE EDUCATION (5-9) B.S. - ELA/SCIENCE

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219 or 219W.....	3	EMS 300W	3	EMG 447	3
EDC 106	3	CED 200	0	EDC 300.....	3	EMG 492.....	3
EDF 203.....	3	Gen. Ed. E-3A.....	3	CED 300	0.5	EMG 494.....	3
CED 100.....	0	Gen. Ed. E-6.....	3	EMG 445.....	3	CED 450.....	1
SED 104 (E-6).....	3	PHY 102.....	3	GLY 102.....	3	BIO 590.....	3
ENG 101 (E-1A).....	3	AST 135.....	3	LIB 401.....	3	TOTAL	13
MAT 112 (E-2).....	3	Gen. Ed. E-5B.....	3	TOTAL	15.5		
TOTAL	16	TOTAL	18				
Second Semester		Second Semester		Second Semester		Second Semester	
ENG 102 (E-1B)	3	ENG 211, 211W, 212, or 212W.....	3	EDF 413	3	CED 499.....	12
HIS 102 (E-5A).....	3	GEO 115 or 315.....	3	EMS 490.....	3	TOTAL	12
EDF 204.....	2	EDC/TEC 314.....	3	CED 400.....	0.5		
BIO 102 (E-4).....	3	ENG 303.....	3	EME 552.....	3		
ENG 210 or 210W (E-3).....	3	CHE 100 (E-4).....	3	ENG Elective.....	3		
CMS 100 or 210 (E-1C).....	3	TOTAL	15	ENG 350 or 351.....	3		
TOTAL	17			TOTAL	15.5		

MIDDLE GRADE EDUCATION (5-9) B.S. - ELA/SOCIAL SCIENCES

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219 or 219W.....	3	EMS 300W	3	EMG 447	3
SED 104 (E-6).....	3	CED 200	0	EDC 300	3	EMG 493.....	3
EDF 203.....	3	Gen. Ed. E-6.....	3	CED 300.....	0.5	EMG 494 or 494W.....	3
CED 100.....	0	ENG 210 or 210W (E-3B).....	3	EMG 445.....	3	CED 450.....	1
EDC 106.....	3	POL 100 or 101 (E-5B).....	3	ENG 350 or 351	3	LIB 401.....	3
ENG 101 (E-1A).....	3	GEO 100 or 220	3	HIS 101, 336, 339, 343, 321, 345, 363, 374, or 385.....	3	TOTAL	13
Gen. Ed. E-2.....	3	TOTAL	15	TOTAL	15.5		
TOTAL	16						
Second Semester		Second Semester		Second Semester		Second Semester	
ENG 102 (E-1B)	3	ENG 211, 211W, 212, or 212W.....	3	EDF 413	3	CED 499.....	12
HIS 102 (E-5A)	3	HIS 100.....	3	EMS 490.....	3	TOTAL	12
Gen. Ed. E-3A.....	3	ECO 120, 130, 230, or 231 (E-5B).....	3	CED 400	0.5		
Gen. Ed. E-4.....	3	ENG 303	3	EME 552.....	3		
EDF 204.....	2	Gen Ed. E-4.....	3	ENG Elective.....	3		
CMS 100 or 210 (E-1C).....	3	Social Studies Elective.....	3	HIS 103, 303, 304, 305, 308, 401, 402, 405, 406, or 424.....	3		
TOTAL	17	TOTAL	18	TOTAL	15.5		

MIDDLE GRADE EDUCATION (5-9) B.S. - MATH/SCIENCE

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219 or 219W.....	3	EMS 300W.....	3	EMG 447.....	3
EDC 106.....	3	CED 200.....	0	EDC 300.....	3	EMG 491.....	3
EDF 203.....	3	EDF 204.....	2	CED 300.....	0.5	EMG 492.....	3
CED 100.....	0	MAT 211 or 234.....	3	EMG.....	3	CED 450.....	1
SED 104 (E-6).....	3	MAE 202.....	3	EME 301.....	3	BIO 590.....	3
ENG 101 (E-1A).....	3	PHY 102.....	3	GEO 315 or 115.....	3	TOTAL.....	13
MAT 112 (E-2).....	3	TOTAL.....	17	TOTAL.....	15.5		
TOTAL.....	16						
Second Semester		Second Semester		Second Semester		Second Semester	
ENG 102 (E-1B).....	3	Gen Ed. E-3A.....	3	EDF 413.....	3	CED 499.....	12
HIS 102 (E-5A).....	3	Gen. Ed. E-5B.....	3	EMS 490.....	3	TOTAL.....	12
STA 230.....	3	AST 135.....	3	CED 400.....	0.5		
BIO 102.....	3	MAE 305.....	3	MAE.....	3		
MAE 201.....	3	Gen. Ed. E-6.....	3	EDC/TEC 314.....	3		
CMS 100 or 210 (E-1C).....	3	CHE 100.....	3	MAT 303.....	3		
TOTAL.....	18	TOTAL.....	18	Gen. Ed. E-3B.....	3		
				TOTAL.....	18.5		

MIDDLE GRADE EDUCATION (5-9) B.S. - MATH/SOCIAL STUDIES

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219 or 219W.....	3	EMS 300W.....	3	EMG 447.....	3
EDC 106.....	3	CED 200.....	0	EDC 300.....	3	EMG 491.....	3
EDF 203.....	3	Gen. Ed. E-3A/B.....	6	CED 300.....	0.5	EMG 493.....	3
CED 100.....	0	MAE 202.....	3	EMG 445.....	3	CED 450.....	1
SED 104 (E-6).....	3	MAT 211 or 234.....	3	EME 301.....	3	HIS 103, 303, 304, 305, 308, 401,	
ENG 101 (E-1A).....	3	GEO 100 or 220.....	3	Gen. Ed. E-4.....	3	402, 405, 406, or 424.....	3
MAT 112 (E-2).....	3	TOTAL.....	18	Social Studies Elective.....	3	TOTAL.....	13
TOTAL.....	16			TOTAL.....	18.5		
Second Semester		Second Semester		Second Semester		Second Semester	
ENG 102 (E-1B).....	3	HIS 100.....	3	EDF 413.....	3	CED 499.....	12
HIS 102 (E-5A).....	3	ECO 120, 130, 230,		EMS 490.....	3	TOTAL.....	12
EDF 204.....	2	or 231.....	3	CED 400.....	0.5		
STA 230.....	3	Gen. Ed. E-4.....	3	MAE 203.....	3		
MAE 201.....	3	MAE 305.....	3	HIS 101, 336, 339, 343, 321, 345,			
CMS 100 or 210 (E-1C).....	3	POL 100 or 101.....	3	363, 374, or 385.....	3		
TOTAL.....	17	Gen. Ed. E-6.....	3	MAE 303.....	3		
		TOTAL.....	18	TOTAL.....	15.5		

MIDDLE GRADE EDUCATION (5-9) B.S. - SOCIAL STUDIES/SCIENCE

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
EDO 100.....	1	EDF 219 or 219W.....	3	EMS 300W.....	3	EMG 447.....	3
EDC 106.....	3	CED 200.....	0	EDC 300.....	3	EMG 492.....	3
EDF 203.....	3	Gen. Ed. E-3A.....	3	CED 300.....	0.5	EMG 493.....	3
CED 100.....	0	Gen. Ed. E-3B.....	3	EMG 445.....	3	CED 450.....	1
SED 104 (E-6).....	3	PHY 102.....	3	AST 135.....	3	BIO 590.....	3
ENG 101(E-1A).....	3	POL 100 or 101 (Gen. Ed. E-5B).....	3	HIS 101, 336, 339, 343, 321, 345,		TOTAL.....	13
MAT 112 (E-2).....	3	GLY 102.....	3	363, 374, or 385.....	3		
TOTAL.....	16	TOTAL.....	18	TOTAL.....	15.5		
Second Semester		Second Semester		Second Semester		Second Semester	
ENG 102 (E-1B).....	3	GEO 100 or 220.....	3	EDF 413.....	3	CED 499.....	12
HIS 102 (E-5A).....	3	CHE 100 (E-4).....	3	EMS 490.....	3	TOTAL.....	12
EDF 204.....	2	Social Studies Elective.....	3	CED 400.....	0.5		
BIO 102.....	3	HIS 100.....	3	EDC/TEC 314.....	3		
GLY 102.....	3	Gen. Ed. E-6.....	3	GEO 315 or 115.....	3		
CMS 100 or 210 (E-1C).....	3	ECO 120, 130, 230,		HIS 103, 303, 304, 305, 308, 401,			
TOTAL.....	17	or 231 (E-5B).....	3	402, 405, or 424.....	3		
		TOTAL.....	18	TOTAL.....	15.5		

DEPARTMENT OF SPECIAL EDUCATION-

COMMUNICATION DISORDERS B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	BIO 171..... 3	ENG 410, 510, or 520 3	CDS 374 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-5B 3	CDS 273 1	CSD 475 3
Gen. Ed. E-3A 3	(PSY 200W, or 280W)	CDS 250 3	CDS 525 3
Gen. Ed. E-5A 3	Gen. Ed. E-6 (ASL 101)..... 3	CDS 285 3	CDS 572..... 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	CDS 365 3	CDS 541 or OTS 515..... 3
Gen. Ed. E-6..... 3	CDS 275..... 3	CDS 380..... 3	Total 15
Total 16	Total 15	Total 16	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	EDF 219 3	CDS 372 3	CDS 474 3
Gen. Ed. E-3B 3	BIO 301 or 303 3	CDS 373 3	CDS 465 3
Gen. Ed. E-4..... 3	CDS 360 3	CDS 464 3	CDS 530 3
Free Elective..... 3	SED 341 or 590..... 3	CDS 487 3	CDS 541 or 515..... 3
Gen. Ed. E-2 (MAT 105)..... 3	Total 12	STA 215 or 500 3	CDS 571..... 3
Total 15		Total 15	CDS 518..... 3
			Total 18

EDUCATION

EDUCATION OF THE DEAF AND HARD OF HEARING (P-12) B.S. - ELEMENTARY EDUCATION (P-5)			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	MAE 201 3	EME 301..... 3	ELE 420 3
CED 100 0	EDF 219 3	EMS 300W 3	ELE 475 (reading diagnosis).. 3
EDF 203 3	CED 200 0	CED 300 0.5	ELE 421..... 2
SED 104 3	Gen. Ed E-6B (ASL 102)..... 3	EDC 300 3	ELE 422..... 2
ENG 101 or 105 (E-1A)..... 3	SED 260 3	ENG 303 3	ELE 423..... 2
BIO 102 (E-4A)..... 3	SED 580..... 3	SED 318 (formerly 538)..... 3	ELE 424 2
TOTAL 16	Gen. Ed. 4B (GLY 102) 3	TOTAL 18.5	CED 450..... 1
	TOTAL 18		SED 375 3
			TOTAL 19
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B) 3	EDC 314 3	EMS 490 or SED 390 (formerly 590)..... 3	CED 499..... 9
ELE 101 or 102..... 3	MAE 202 3	CED 400 0.5	SED 445 (formerly 545)..... 3
Gen. Ed. E-6A – ASL 101 3	ASL 201..... 3	EME 552/ENG 410..... 3	TOTAL 12
Gen. Ed. E-3A..... 3	SED 581..... 3	Gen. Ed. 5A (HIS 102) 3	
SED 337 3	CHE/PHY 104..... 3	SED 510..... 3	
EDF 204 2	ELE 445 or 445W 3	EME 313 3	
Gen. Ed. 3A 3	TOTAL 18	Gen. Ed. 5B (POL 101) 3	
TOTAL 17		TOTAL 18.5	
		Junior Summer	
		Gen. Ed. E-3B..... 3	

**EDUCATION OF THE DEAF AND HARD OF HEARING (P-12) B.S. - MIDDLE GRADE EDUCATION
(5-9): ENGLISH AND COMMUNICATION**

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	EDF 219 3	EMS 300W 3	EMG 447 3
SED 104 (E-6) 3	CED 200 0	CED 300 0.5	EMG 494..... 3
CED 100 0	ENG 102 (E-1B).....3	SED 538 3	CED 450..... 1
EDF 203 .....3	ASL 102.....3	EDC 300 3	SED 375 3
ENG 101 or 105 (E-1A)..... 3	ENG 210 or 210W (E-3B).... 3	MAE 202 3	SED 518..... 3
CMS 100 or 210 (E-1C)..... 3	EDF 204..... 2	EMG 445..... 3	LIB 401..... 3
MAT 112 (E-2).....3	SED 581..... 3	TOTAL 15.5	TOTAL 16
TOTAL 16	TOTAL 17		
Second Semester	Second Semester	Second Semester	Second Semester
SED 337 3	ASL 201..... 3	EMG 490..... 3	CED 499..... 9
BIO 102 Gen. Ed. E-4 3	ENG 211, 211W, 212, or 212W..... 3	CED 400 0.5	SED 545 .....3
ASL 101 3	SED 581..... 3	Gen. Ed. E-4..... 3	TOTAL 12
Gen. Ed. E-3A 3	ENG 303 3	EME 452 3	
HIS 102 (E-5A) 3	MAE 201 3	SED 510..... 3	
SED 260..... 3	POL 100 or 101 (E-5B)..... 3	ENG Elective..... 3	
TOTAL 18	TOTAL 18	EME 301 3	
		TOTAL 18.5	

**EDUCATION OF THE DEAF AND HARD OF HEARING (P-12) B.S. - MIDDLE GRADE EDUCATION
(5-9): MATHEMATICS**

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	Gen. Ed. E-6 (ASL 102) 3	EMG 445 .....3	SED 518..... 3
SED 104.....3	MAE 202 .....3	Gen Ed 3B..... 3	SED 375..... 3
SED 337 3	SED 260..... 3	EMS 300W.....3	EMG 447 .....3
EDF 203..... 3	EDF 219 3	CED 300..... 3	CED 450..... 1
CED 100.....0	CED 200.....0	CED 300..... 0.5	EMG 491 3
MAT 112 (E-2)..... 3	SED 580..... 3	Gen Ed 4B .....3	Total 13
ENG 101 (E-1A) .....3	MAT 211 (or 234) .....4	SED 538 .....3	
EDF 204 .....2	Total 19	Total 18.5	
Total 18			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-5A.....3	Gen. Ed. E-3A 3	SED 510..... 3	CED 499 9
ENG 102 (E 1B).....3	Gen. Ed. E-4..... 3	CED 400..... 0.5	SED 535/345 .....3
STA 230.....3	MAE 305 3	EMS490 or SED 590..... 3	Total 12
ASL 101 (E-6).....3	EME 301..... 3	MAE 303..... 3	
MAE 201.....3	SED 581.....3	MAE 203 .....3	
CMS 100 or 210 (E 1C) .....3	ASL 201 3	EDC 314..... 3	
Total 18	Total 18	Gen Ed 5B.....3	
		Total 18.5	

**EDUCATION OF THE DEAF AND HARD OF HEARING (P-12) B.S. - MIDDLE GRADE EDUCATION
(5-9): SCIENCE**

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	EDF 219..... 3	EMS 300W 3	EMG 447 3
SED 104 (E-6) 3	CED 200 0	EDC 300 .....3	BIO 590..... 3
SED 337 .....3	SED 580.....3	CED 300 0.5	EMG 492 3
CED 100 .....0	ASL 102 (GE 6) .....3	MAE 202 3	CED 450..... 1
EDF 203 .....3	PHY 102..... 3	SED 538.....3	SED 375 3
ENG 101 or 105 (E-1A)..... 3	CHE 100 (E-4) 3	EMG 445* 3	SED 318 (formerly 518)..... 3
MAT 112 (GE 1B) .....3	POL 101 (GE 5B) .....3	GLY 102 (E-4B) 3	TOTAL 16
TOTAL 16	TOTAL 18	TOTAL 18.5	
		*Fall/Summer only	
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B) 3	ASL 201..... 3	SED 590 or EMS 490..... 3	CED 499..... 9
HIS 102 (GE 5A)..... 3	EDF 204 2	CED 400 0.5	SED 345 (formerly 545) .....3
BIO 102 3	SED 581..... 3	SED 510 in lieu of EDF 413	TOTAL 12
Gen. Ed. E-3B.....3	MAE 201 3	.....3	
ASL 101..... 3	GEO 315 or 115..... 3	EDF 204..... 3	
CMS 100 or 210 (GE 1C).....3	SED 260..... 3	EME 301..... 3	
TOTAL 18	AST 135 .....3	EDC 314..... 3	
	TOTAL 18	Gen Ed 3A..... 3	
		TOTAL 17.5	

EDUCATION OF THE DEAF AND HARD OF HEARING (P-12) B.S. - MIDDLE GRADE EDUCATION (5-9): SOCIAL STUDIES			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
EDO 100..... 1	Gen Ed 3B..... 3	GEO 220 .....3	EMG 447 3
SED 337 .....3	Gen. Ed. E-3A .....3	EMG 445.....3	EMG 493 1
EDF 203 .....3	Gen. Ed. E-6 (ASL 102) .....3	MAE 202.....3	CED 450 .....1
CED 100 .....0	EDF 219 .....3	EMS 300W.....3	SED 375 .....3
SED 104 .....3	CED 200 .....0	EDC 300 .....3	SED 318 (formerly 518) .....3
ENG 101 E-1A .....3	SED 580 .....3	CED 300 .....0.5	HIS 103, 303, 304, 305, 308, 401, 402, 405, 406, or 424.....3
MAT 112 Gen. Ed. E-2 .....3	GEO 100 or 220 .....3	SED 538 .....3	Total .....16
EDF 204 .....2	Total .....18	Total .....18.5	
Total .....18			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
ENG 102 E-1B.....3	ASL 201 .....3	SED 510 in lieu of EDF 413 .....3	CED 499.....9
CMS 100 or 210 E-1C.....3	ECO 130 (or 120, 230, 231).....3	SED 590 or EMS 490 .....3	SED 345 (formerly 545).....3
Gen. Ed. E-5B POL 100 or 101).....3	BIO 102 E-4..... 3	CED 400 .....0.5	Total .....12
.....3	SED 581 .....3	EME 301 .....3	
HIS 102.....3	MAE 201 3	HIS 101, 336, 339, 343, 321, 345, 363, 374 or 385 .....3	
SED 260 .....3	SED 337 3	Gen Ed 4B .....3	
ASL 101 .....3	Total .....18	SS Elective (EME 313 recommended) .....3	
Total .....18		Total .....18.5	

SPECIAL EDUCATION/TEACHING B.S. - LEARNING & BEHAVIOR DISORDERS ELEMENTARY EDUCATION (P-5)			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
EDO 100..... 1	EDF 219 3	SED 260..... 3	ELE 420.....1
CED 100.....0	CED 200 0	SED 270 (formerly 530)..... 3	ELE 475.....3
SED 104 (E-6)..... 3	SED 345(formerly 578).....3	SED 356 3	ELE 421.....2
ENG 101 or 105 (E-1A)..... 3	MAE 201.....3	EMS 300W..... 3	ELE 422 .....2
EDF 203.....3	HIS 102 (E-5A specific).....3	CED 300 0.5	ELE 423 .....2
PSY 200 .....3	(E-3A).....3	EDC 300 .....3	ELE 424 .....2
BIO 102 (E-4A) .....3	ELE 201 .....3	TOTAL .....15.5	CED 450..... 1
MAT 112 .....3	TOTAL 18		SED 375 3
TOTAL .....16			TOTAL .....16
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
ENG 102 (E-1B) 3	POL 101 (E-5B).....3	SED 350 (formerly 576)..... 3	CED 499..... 9
CMS 100 or 210 (E-1C) .....3	PHY 104 (E-4B) .....3	CED 400 0.5	SED 345 (formerly 545) .....3
GLY 102 (E-4B) .....3	EDC 314.....3	SED 390 (formerly 590)..... 3	TOTAL .....12
ART 200, MUS 171, PHE 200 or THE 100 (E-3A).....3	MAE 202.....3	EME 301.....3	
ASL 101 (E-6) .....3	ENG 303..... 3	EME313.....3	
Gen. Ed. E-6.....3	(E-3B) .....3	LIB 301.....3	
TOTAL .....18	TOTAL .....18	ELE 362 .....3	
		TOTAL .....18.5	

SPECIAL EDUCATION/TEACHING B.S. - LEARNING & BEHAVIOR DISORDERS MIDDLE GRADE EDUCATION (5-9) ENGLISH & COMMUNICATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
EDO 100..... 1	EDF 219.....3	EMS 300W 3	EMG 447 3
SED 104 (E-6) 3	CED 200 0	CED 300 .....0.5	EMG 494..... 3
CED 100 0	Gen. Ed. E-6.....3	EDC 300 .....3	CED 450..... 1
EDF 203 .....3	MAE 202.....3	Gen. Ed. E-6.....3	SED 375 3
EDC 106 .....3	ENG 210 or 210W (E-3B) 3	ENG 350 or 351 3	LIB 401.....3
ENG 101 or 105 (E-1A)..... 3	Gen. Ed. E-5B.....3	ENG 445..... 3	SED 445 (formerly 545)..... 3
MAT 112.....3	SED 270..... 3	SED 305 (formerly 578)..... 3	TOTAL .....16
TOTAL .....16	TOTAL .....18	TOTAL .....18.5	
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
ENG 102 (E-1B) 3	EME 552.....3	SED 390 (formerly 590)..... 3	CED 499..... 12
E-5A 3	ENG 211, 211W, 212, or 212W 3	CED 400 0.5	TOTAL .....12
PHY 102, GLY 102, CHE 100 or AST 135 (E-4).....3	SED 260.....3	SED 350 (formerly 576)..... 3	
Gen. Ed. E-3A .....3	EME 301..... 3	EME 452/552 3	
MAE 201 .....3	ENG 303.....3	ENG Elective.....3	
CMS 100 or 210 3	E-4 .....3	SED 356 .....3	
TOTAL .....18	TOTAL .....18	TOTAL .....14.5	

SPECIAL EDUCATION/TEACHING B.S. - LEARNING & BEHAVIOR DISORDERS MIDDLE GRADE EDUCATION (5-9) MATHEMATICS			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	EDF 219 3	EMS 300W 3	EMG 447 3
SED 104 (E-6)..... 3	CED 200 0.5	CED 300 0.5	EMG 491 3
CED 100 0	Gen. Ed. E-3A..... 3	EDC 300 .....3	CED 450..... 1
EDF 203 .....3	MAT 211 (or 234) .....3	EMG 445..... 3	SED 375 3
ENG 101 or 105 (E-1A)..... 3	MAE 202 3	E-5B .....3	SED 445 formerly 545 3
MAT 112 (E-2)..... 3	(E-3B)..... 3	E-4B .....3	TOTAL 13
EDC 106 3	Gen. Ed. E-6..... 3	TOTAL 15.5	
TOTAL 16	TOTAL 18-19		
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B) 3	Gen. Ed. E-6..... 3	SED 390 (formerly 590)..... 3	CED 499..... 12
SED 260 3	SED 305 formerly 578 3	CED 400 0.5	TOTAL 12
CMS 100 or 210 .....3	MAE 203 3	SED 350 (formerly 576)..... 3	
Gen. Ed. E-3A 3	EME 301/MAE 202 .....3	MAE 303 3	
HIS 202 or 246 (E-5A) 3	SED 260 .....3	MAE 203 .....3	
MAE 201 3	E-4A 3	SED 356 3	
TOTAL 18	TOTAL 18	TOTAL 15.5	

SPECIAL EDUCATION/TEACHING B.S. - LEARNING & BEHAVIOR DISORDERS MIDDLE GRADE EDUCATION (5-9) SCIENCE			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	EDF 219..... 3	EMS 300W 3	EMG 447 3
SED 104 (E-6) 3	CED 200 0	CED 300 0.5	EMG 492..... 3
CED 100 0	Gen. Ed. E-3A..... 3	EDC 300 .....3	CED 450..... 1
EDF 203 .....3	MAE 202 3	SED 305 (formerly 578)..... 3	SED 375 3
ENG 101 or 105 (E-1A)..... 3	Gen. Ed. E-6..... 3	GLY 102..... 3	SED 545 3
MAT 112..... 3	CHE 100 (E-4) 3	EMG 445 .....3	BIO 590 .....3
EDC 106..... 3	PHY 102.....3	TOTAL 15.5	TOTAL 16
TOTAL 16	TOTAL 18		
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B) 3	Gen. Ed. E-5A..... 3	SED 390 (formerly 590) .....3	CED 499..... 12
BIO 102 3	EDC 314 .....3	CED 400 0.5	TOTAL 12
Gen. Ed. E-3B..... 3	AST 135 .....3	SED 350 (formerly 576)..... 3	
SED 260 3	SED 260..... 3	SED 356 3	
MAE 201 .....3	EME 301..... 3	E-6.....3	
CMS 100 or 210 .....3	GEO 315 or 115.....3	E-5B.....3	
TOTAL 18	TOTAL 18	TOTAL 15.5	

SPECIAL EDUCATION/TEACHING B.S. - LEARNING & BEHAVIOR DISORDERS MIDDLE GRADE EDUCATION (5-9) SOCIAL STUDIES			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
EDO 100..... 1	EDF 219..... 3	EMS 300W 3	EMG 447 3
EDF 203 .....3	CED 200 0	CED 300 0.5	EMG 493 3
SED 104 3	E-3A..... 3	EDC 300 .....3	CED 450..... 1
CED 100 .....0	MAE 202..... 3	E-6.....3	SED 375 3
ENG 101 or 105 (E-1A)..... 3	ENG 210 or 210W (E-3B) 3	EMG 445.....3	HIS 103, 303, 304, 305, 308, 401, 402, 405, 406 or 424..... 3
EDC 106.....3	GEO 100 or 220..... 3	SS Elective (EME 313 rec.).....3	SED 545 3
MAT 112+..... 3	TOTAL 15.5	TOTAL 18.5	TOTAL 16
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B) 3	EME 301..... 3	SED 350 (formerly 576).....3	CED 499..... 12
HIS 102.....3	HIS 100.....3	CED 400 0.5	TOTAL 12
MAE 201 .....3	ECO 120, 130, 230, or 231 (E-5B) .....3	SED 390 (formerly 590)..... 3	
CMS 100 or 210 .....3	.....3	HIS 101, 336, 339, 343, 321, 345, 363, 374, or 385.....3	
SED 260 3	SED 305 (formerly 578)..... 3	SED 356 3	
TOTAL 15	POL 100 or 101 3	E-6.....3	
	E-4A .....3	TOTAL 15.5	
	TOTAL 18		

College of Health Sciences

Dr. Sheila Pressley, Interim Dean

**Rowlett 204
(859) 622-1523**

Dr. Michael Ballard, Part-Time Associate Dean
Begley 421
(859) 622-1916

Dr. Colleen Schneck, Part-Time Associate Dean
Dizney 103
(859) 622-6301

MISSION

The mission of the College of Health Sciences is to prepare outstanding health and human service professionals and leaders who contribute to the success and vitality of their communities, the Commonwealth, and the world.

VISION

The College of Health Sciences will be the premier college that shapes and improves health and well-being, advancing Kentucky and impacting the world!

VALUES

- Intellectual vitality: rigor and academic excellence among faculty and students
- Cultural competency: dignity, diversity, and inclusion through culturally sensitive human services and care
- Civic responsibility: stewardship through community, professional service and engagement to enhance quality of life
- Collaboration: inter-professional and cooperative efforts among faculty, staff, students and other stakeholders
- Accountability: characterized by ethical and professional responsibility

GOALS

EKU Goal 1: Academic Excellence

EKU Strategic Direction 1.1 Invest in our Faculty

CHS SD 1.1.1 The College of Health Sciences (CHS) will support faculty scholarly research and creative endeavors.

EKU Strategic Direction 1.2 Promote Innovative Instruction and Programming

CHS SD 1.2.1 The CHS will assess teaching effectiveness and use the results to enhance instruction.

EKU Strategic Direction 1.3 Strengthen Academic Programs

CHS SD 1.3.1 The CHS will continually assess and strengthen academic programs.

CHS SD 1.3.2 The CHS will provide nationally recognized, high quality, accredited and approved programs.

EKU Goal 2: Commitment to Student Success

EKU Strategic Direction 2.1 Invest in our Students

CHS SD 2.1.1 The CHS graduates will meet or exceed national pass rates on licensure certifications and standardized exam results.

CHS SD 2.1.2 The CHS will support students' scholarly research and creative endeavors.

EKU Strategic Direction 2.2 Focus on Strategic Enrollment

CHS SD 2.2.1 The CHS will demonstrate a commitment to diversity.

EKU Strategic Direction 2.3 Increase Efforts to Retain and Graduate Students

CHS SD 2.3.1 The CHS will assess advising effectiveness and use the results to strengthen advising.

EKU Goal 3: Institutional Distinction

EKU Strategic Direction 3.1 Invest in our Staff

CHS SD 3.1.1 The CHS will support staff professional development opportunities.

EKU Strategic Direction 3.2 Advance the EKU Brand

CHS SD 3.2.1 The CHS will have a brand and communication strategy.

EKU Strategic Direction 3.3 Create a Diverse, and Inclusive University Culture

CHS SD 3.3.1 The CHS will celebrate faculty, staff and student scholarly research and creative endeavors.

EKU Goal 4: Financial Strength

EKU Strategic Direction 4.1 Optimize Campus Resources

CHS SD 4.1.1 The Administrative Council for CHS will annually examine measures related to our financial effectiveness to include: workload, class size, and faculty and staff issues to strengthen programs.

EKU Strategic Direction 4.2 Increase External Support

CHS SD 4.2.1 The CHS will engage alumni, friends and other stakeholders.

EKU Goal 5: Campus Revitalization

EKU Strategic Direction 5.1 Initiate and complete EKU Revitalization plan, which includes rehabilitation of existing facilities and construction of new ones with a focus on the EKU student experience.

CHS SD 5.1.1 The CHS will assess classrooms, labs, offices, technology, and student-centered facilities required to support program growth.

EKU Goal 6: Service to Communities and Region

EKU Strategic Direction 6.1 Become the 1st Choice Partner

in Regional Educational, Economic, Cultural, and Social Development

CHS SD 6.1.1 Collaborate with the University's regional community partners to promote academic achievement, economic development, and quality of life.

EKU Strategic Direction 6.2 Become Nationally Prominent in Fields and Regional Relevance

CHS SD 6.2.1 The CHS will continue to strengthen quality community and regional partnerships.

CHS SD 6.2.2 The CHS will continue to bring distinction to our region with nationally recognized, accessible programs to promote engagement and improve health and quality of life.

EKU Strategic Direction 6.3 Bring EKU to Our Service Region

CHS SD 6.3.1 Collaborate with the University's regional community partners to promote academic achievement, economic development, and quality of life. (Same as 6.1.1)

EKU Strategic Direction 6.4 Bring Our Service Region to EKU

CHS SD 6.4.1 CHS will offer college programs, activities, and events to encourage travel to EKU campus that improve health and quality of life.

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 meet requirements and be admitted by 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 be consistent with the individual program's curriculum progression plan of study. Students who plan to complete coursework before declaring a major in a College of Health Sciences program should consult with the individual program directors or with the College of Health Sciences Advisors.

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 or from College of Health Sciences Advisors.

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.

CLINICAL AGENCY PLACEMENT REQUIREMENTS

Placement in clinical sites for certain programs in the College of Health Sciences requires students to meet specific clinical agency placement requirements. Clinical agency placement requirements for certain programs (particularly those involving direct patient contact and/or practice with children) require a criminal background check and/or a urine drug screen. Students whose results from these screenings do not meet clinical agency placement requirements will be unable to participate in clinical experiences which are required for satisfactory progression and completion of the program. Most clinical agencies and programs where students may be potentially exposed to blood borne pathogens mandate that students comply with the Hepatitis B vaccination requirement. [see Blood Borne Pathogens and Hepatitis B Statement]. Other requirements may include documentation of tuberculosis screenings indicating student is free of disease, specific immunizations, certifications, licensures, student professional liability insurance purchased through the University [see Student Liability (Malpractice) Insurance], and individual health insurance. Students who have not met clinical agency placement requirements will not be permitted to participate in clinical and laboratory learning experiences mandated for satisfactory progression and completion of the program. Specific requirements for individual programs may be obtained by contacting the departmental office for the program.

READMISSION POLICIES

After being admitted to one of the programs in the College, students who withdraw or who are unable to progress due to being unsuccessful in one or more courses must submit application for readmission according to the guidelines for the specific program. **Readmission to the program is not guaranteed to any student.**

READMISSION APPEAL PROCESS

The student who has been denied readmission may appeal the decision following these guidelines:

1. Notify the chair of the program's readmission committee of the desire to appeal the decision and to provide additional pertinent information to support the appeal. The committee chair will schedule a time for the student to appear before the committee to present the appeal. A student who has agreed to a time for a meeting of the departmental readmission committee and who does not appear at that meeting may forfeit the right to present evidence beyond that furnished in the original application for readmission.
2. The student will be notified within five working days of the committee's decision.

3. If the student is not satisfied with the decision, the student shall schedule an appointment to present the appeal to the Department Chair. The student will be notified within five working days of the Department Chair's decision.
4. If the student is not satisfied with the decision of the Department Chair, the student shall submit a written appeal to the Dean of the College of Health Sciences. If the Dean determines there are extenuating circumstances surrounding the student's request for readmission and/or if the procedure for readmission has not been followed, a meeting of the College's Readmission Committee will be scheduled. A time will be appointed for the student to appear before the committee to present the appeal. A student who has agreed to a time for a meeting of the College Readmission Committee and who does not appear at that meeting may forfeit the right to present evidence beyond that furnished in the original application for readmission.
5. Decisions of the College Readmission Committee are binding. The student will be notified of the decision within five working days.

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

Accrediting Agencies

Accreditation Council for Occupational Therapy Education

4720 Montgomery Lane
Suite 200
Bethesda, Maryland 20814-3449
301-652-2682

American Nurses Credentialing Center

8515 Georgia Ave., Suite 400
Silver Springs, MD 20910-3492
800-284-2378

Commission on Accreditation of Allied Health Education Programs

1361 Park St.
Clearwater, FL 33756
727-210-2350

Commission on Accreditation of Athletic Training Education

2201 Double Creek Drive
Suite 5006
Round Rock, TX 78664
512-733-9700

Commission on Collegiate Nursing Education

One Dupont Circle, NW, Suite 530
Washington, DC 20036-1120
202-887-6791

Accreditation Council for Education in Nutrition and Dietetics

(ACEND) Academy of Nutrition and Dietetics

216 West Jackson Boulevard
Chicago, IL 60606-6995

Commission on Accreditation for Health Informatics and Information Management Education

233 N. Michigan Avenue, 21st Floor
Chicago, IL 60601-5800
312-233-1100

Council on Education for Public Health

1010 Wayne Avenue, Suite 220
Silver Spring, MD 20910
(202) 789-1050

National Accrediting Agency for Clinical Laboratory Science

5600 N. River Rd.
Suite 720
Rosemont, IL 60018-5119
847-939-3597 or 773-714-8880

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

North American Society for Sport Management

West Gym 117
Slippery Rock University
Slippery Rock, PA, USA 16057
Ph: 724-738-4812; Fax: 724-738-4858

National Council for Accreditation

National Recreation and Park Association/Council on Accreditation

22377 Belmont Ridge Road
Ashburn, VA 20148-4501
703-858-2150

National Council for the Accreditation of Teacher Education

2010 Massachusetts Ave., NW, Suite 500
Washington, DC 20036-1023
202-466-7496

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

2632 SE 25th Avenue, Suite F
Portland, OR 97202
(503) 235-6047

Accreditation Commission for Education in Nursing (ACEN)

3343 Peachtree Rd. NE, Suite 850
Atlanta, GA. 30326
(404) 975-5000 / (fax) (404) 975-5020

CLINICAL FACILITIES

The University maintains formal contracts with many health care Human Services and Educational agencies located throughout Kentucky and the 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 minimize the risk of exposure to blood borne pathogens for students who will

be involved in clinical and laboratory learning experiences where the risk of exposure could occur. To this end, students majoring in clinical programs within the College of Health Sciences where a potential risk of exposure could occur 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 complying with the Hepatitis B vaccination requirement when indicated before participation in the clinical training phase of their respective programs. [see Clinical Agency Placement Requirements]. The Blood Borne Pathogens Exposure Control Plan is posted on the College of Health Sciences website and should be carefully reviewed. More information regarding specific program requirements may be obtained through the departmental offices, program student handbooks, and other program informational sources.

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 Academic Information described in Section Five 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 Student Success Seminar (HSO 100).

Appeals

Appeals procedures are detailed in the Departmental and University Handbooks and in the department sections.

HEALTH SCIENCES LEARNING RESOURCE CENTER

Director
Mrs. Raglena Salmans
(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-media materials and computer-aided instructional software.

Students also have access to other resources such as anatomical models and charts, interactive video resources, professional articles, e-mail, the internet, literature searches, bibliographic manager, epidemiology mapping courseware and word processing. The Learning Resource Center is located in the Rowlett Building, Room 310.

DEPARTMENT OF ASSOCIATE DEGREE NURSING (RN)

Chair
Mrs. Beth Gamble
(859) 622-1942
Rowlett 220

Faculty

J. Brown, C. Frazer, B. Gamble, M. Gibson, C. Hubbard, S. O'Neal, K. Petrey, M. Powell, A. Potts, S. Sutherland and C. Hackney

The Department of Associate Degree Nursing, established in 1965, is approved by the Kentucky Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN). The nursing program leading to an Associate of Science in Nursing (A.S.N.) degree is four semesters in length. The program prepares the graduate to function as a generalist registered nurse (R.N.) to practice in a variety of positions in various clinical settings in Kentucky and across the nation. Graduates of the program are eligible to apply for the national licensure examination (NCLEX-RN); after successful completion of the exam, graduates are licensed as registered nurses.

The philosophy of the Department of Associate Degree Nursing guides the program of study.

The faculty believe Nursing is an art and science expressed through therapeutic and caring relationships which promote optimal physical, psychological and spiritual health and well-being. The core values of caring, diversity, ethics, excellence, holism, integrity, and patient centeredness are reflected in the curriculum. The curriculum promotes the attainment of the educational outcomes of Human Flourishing, Nursing Judgment, Professional Identity, and Spirit of Inquiry.

Student Learning Outcomes

Upon completion of the program, the ASN graduate will:

1. Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as diverse human beings. (Human Flourishing)
2. Using the nursing process as a critical thinking tool, make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and promote the health of patients within a family context. (Nursing Judgment)
3. Express one's identity as a nurse through actions that reflect integrity, a commitment to evidence-based practice, effective communication, caring, advocacy, and safe, quality care for diverse patients within a family context. (Professional Identity)
4. Examine the evidence that underlies clinical nursing practice to improve the quality of care for patients and families. (Spirit of Inquiry)

Admission Requirements and Procedures

All students who are admitted to EKU 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 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 (institutional) GPA of 2.5 on a 4.0 scale.
4. Grades of “C” or better in any supporting courses that have been completed.
5. Completed the Nursing Assessment (A2) exam with a minimum score of 75 in specified areas of Reading, Vocabulary, Grammar and Math. Students may contact the nursing office to schedule the Assessment Exam.
6. In addition to the academic criteria required for admission, applicants 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. Students must meet all clinical agency placement requirements.

Applications are considered for the fall semester (received by March 1) and for the spring semester (received by October 1). 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 and applicants will be ranked according to the admission scoring rubric found on the department’s website. 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 16 semester hours credit.
2. A complete course outline and/or syllabi must be submitted for each nursing course being evaluated for transfer credit.
3. Transfer credits must meet passing standards of the nursing program from which they are transferred.
4. Transfer credits must be from a nationally accredited program.

Each transfer student’s application will be evaluated on an individual basis by the Department Chair and the Department Admissions Committee.

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 an institutional GPA of 2.0 on a 4.0 scale.

3. Complete all major courses and supporting courses with a “C” or better.

Clinical Requirements

Transportation to all clinical experiences is the responsibility of the student. Students are expected to adhere to all Department and clinical agency policies and must meet all clinical agency placement requirements. To be compliant with Joint Commission regulations, clinical agency contractual agreements, and ensure a safe clinical environment the following items are required before a student can progress to a clinical experience:

1. Proof of professional liability insurance purchased through the University.
2. Proof of CPR for the Health Care Professional.
3. Proof of Rubella, Measles (Rubeola), and Mumps immunity.
4. Proof of Hepatitis B immunity.
5. Proof of negative Tuberculosis screening.
6. Proof of Varicella immunity.
7. Documentation of adult TDaP vaccine (Tetanus, Diptheria, Acellular Pertussis)
8. Documentation of annual influenza vaccine.
9. Documentation of the CHS-approved Criminal Background Check.
10. Documentation of the CHS-approved Drug Screening.
11. Proof of Personal Health Insurance.
12. Other documentation as required by specific clinical facilities.

Readmission Policies and Procedures

A student who fails to progress in the nursing curriculum is dismissed from the program and must apply and be processed through the Admissions/Progression Committee. This committee represents the Department of Associate Degree Nursing and has the authority in readmission decisions for the department.

Readmission to a nursing course is not guaranteed to any student. The student is advised to refer to the Department of Associate Degree Nursing Student Handbook for specific procedures concerning readmission.

ASSOCIATE DEGREE

**ASSOCIATE OF SCIENCE IN NURSING (A.S.N.)
NURSING
CIP Code: 51.3801**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....15 hours
Elements: 1A, 1B (ENG 101,102, or 105 with a grade of “A” or “B”); any 3A or 3B; one course in either Element 2 or 4; SOC 131(°Element E-5B)
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour

Total Hours University Graduation Requirements ..16 hours

MAJOR REQUIREMENTS

Core Courses38 hours
NUR 114(5), 114C, 124, 124C (2), 126(2), 126C (1), 232(5), 232C, 234(2), 234C (1), 240(5), 241C(4), and 255(2).

Supporting Courses13 hours
BIO 171, and 301; BIO 273(4) or MLS 209, and 211(1); NFA 201, and SOC 131 (°Element E-5B).

° = Course also satisfies a General Education element.

Hours are included within the General Education requirement above.

TOTAL HOURS TO COMPLETE DEGREE67 hours

DEPARTMENT OF BACCALAUREATE AND GRADUATE NURSING

Chair

Dr. Mary Clements
(859) 622-1956
Rowlett 223

Faculty

M. Adams-Johnson, B. Bentley, M. Bradshaw, J. Brocato, A. Clark, B. Caudill, A. Connell, D. Coffey, D. Corley, J. Cornelison, M. DeLetter, C. Edwards, S. Evans, S. Fister, R. Hovermale, R. Janes, A. Jones, L. Jones, T. Loan, J. Merrick, Q. Moore, K. New, N. Owens, H. Norris, J. Pinheiro, G. Purdue, F. Sands, S. Shumaker, I. Slusher, M. Whitaker, A. Wood, P. Woods, L. Yonts, and M. Zoellers.

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 make application to 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. The mission of the department is congruent with the mission of the college and university; to promote student success by providing high quality, accessible learning opportunities which encourage students to act independently, to think critically, to communicate effectively, and to practice professional or advanced levels of nursing with integrity, enlightenment and creativity; and to collaborate with regional partners to promote health.

Professional Nursing Practice Outcomes

Upon completion of the baccalaureate nursing program the BSN graduate:

1. Treats patients as holistic, unique and self-directive with the right to make decisions for themselves concerning health matters.
2. Uses the nursing process to provide, manage, and evaluate culturally competent primary, secondary, and tertiary prevention for diverse clients across the life span in a variety

of settings.

3. Uses evidence-based nursing practice, critical thinking, research methodologies, informatics, and healthcare technology to provide therapeutic interventions, predict outcomes, and influence the delivery of health care.
4. Assumes a leadership role in health care by communicating and collaborating with patients, health care professionals, and health care systems.
5. Supports safe, quality, responsible, and economic interdisciplinary health care as a consumer and sociopolitical advocate within multiple health care systems.
6. Promotes the ethical and legal practice of professional nursing.
7. Demonstrates self-care, professionalism, accountability, and competence in nursing practice, with a commitment to advancing the profession of nursing.

Admission and Progression Requirements

All students who are accepted by EKU'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, 242, and 252 in the third semester of the curriculum must meet minimum program GPA requirements of 2.5 and have department chair approval. Spaces in these courses are limited and are reserved for students whose academic record indicates they are more likely to be eligible to be considered for and admitted to the clinical nursing courses. To be eligible to be considered for admission to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan and have submitted a complete department application. All prerequisite courses must be completed with a grade of "C"/2.0 or better, and a minimum institutional GPA of 2.5 on a 4.0 scale must be obtained. For the prelicensure nursing program, [Nursing Pre-RN (B.S.N.)], some prerequisite courses (BIO 171, BIO 273/MLS 209, BIO 301, CHE 105, NFA 201, NSC 232, 232L, 242, and 252) must have been taken within five years prior to the time application is made for admission to the clinical nursing courses unless an exception has been approved by the department. For the prelicensure Nursing (B.S.N.) Second Degree Concentration, the courses in BIO 171, BIO 273/MLS 209, BIO 301, and NFA 201 must have been taken within five years prior to the time application is made for admission to the concentration unless an exception has been approved by the department. Completion of eligibility criteria does not guarantee admission to the clinical nursing courses. Admission to the clinical courses is competitive and based on review of the applicants' academic history by the Baccalaureate Nursing Admission/Readmission Committee. Spaces are limited and the most qualified applicants will be selected for admission.

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. Students must meet all clinical agency placement requirements.

For progression, students must earn a grade of "C"/2.0 or better in all nursing and supporting courses. Students who fail to meet the requirements for progression must apply for readmission through the Baccalaureate Admission/Readmission Committee.

Readmission to a nursing course is not guaranteed to any student. Please refer to the Baccalaureate Nursing Student Handbook for specific information on readmission procedures. 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.

For additional admission information please refer to the Selection Criteria at <http://www.bsn-gn.eku.edu/bsn>.

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.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE IN NURSING (B.S.N.)
PRE-RN NURSING
CIP Code: 51.3801**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Nursing Pre-RN majors will select: NSC 492 (Credit hours are incorporated into Major requirements)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

Core Courses67 hours
 NSC 232(2), 232L(1), 242, 252, 330, 332(1), 332L(1), 350, 380(2), 380C(2), 386(7), 386C, 390W(2), 392, 392C(2), 396(5), 396C (2), 480, 484(2.5), 484C(2.5), 487 (2.5), 487C (2.5), 492(2), 492C, 495(2), 496(2).
Supporting Course Requirements.....13-15 hours
 BIO 171, 273(4) or MLS 209, BIO 301, CHE 105/105L(⁶Element 4), MAT 105 or higher level math

course with a minimum grade of C (⁶Element 2), NFA 201; SOC 232, or STA 215 or 270(4); PSY 200(⁶Element 5) or 200W(⁶Element 5).
⁶ = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3 hours
TOTAL HOURS TO COMPLETE DEGREE120-122 hours

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), and a RN license from an approved state that is free and unrestricted, meaning that it has not been subject to reprimand, revocation, probation, suspension, restriction, limitation, disciplinary action, discretionary review/hearing or encumbrance nor had any type of complaint filed against it. Students who are interested in continuing in the M.S.N. program should apply for graduate studies during the senior year. Students must complete the B.S.N and be admitted to graduate studies to continue into the M.S.N. program.

Protocol for Accepting RN-BSN Students as General Education Certified

Eastern Kentucky University will consider all RN-BSN applicants, who are currently licensed nurses with professional work experience, as General Education certified based on the following standards:

- Applicants will have completed an associate degree for which they have earned a minimum of fifteen (15) General Education credit hours.
- Applicants will have taken and passed the NCLEX RN licensure exam. Competencies demonstrated by this exam are sufficient to satisfy certain General Education competencies.
- Applicants have practical experiential learning that can be applied to the General Education competencies.

Note: Must have 120 total credit hours to complete BSN

**BACHELOR OF SCIENCE IN NURSING (B.S.N.)
NURSING
R.N. TO B.S.N. PATHWAY
CIP Code: 51.3801**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
(See above for Protocol for Accepting RN-BSN Students as General Education Certified)
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT- R.N. to B.S.N. majors will fulfill ACCT with NSC 442. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 45 hours
 NSC 340(2), 381, 383, 385(4)**, 390W(2), 440, 442, 442C



(2), 445(2), 486, 486C(2).

**Upon successful completion of NSC 385, the RN is granted credit for NSC 380, 380C, 386, 386C, 484, and 484C (19 hrs.).

Supporting Requirements 0-3 hours

SOC 232 (does not meet Element 2) OR STA 215 or STA 270(4) (Element 2).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....35-38 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

Plan for B.S.N. Second Degree Concentration

The Department of Baccalaureate and Graduate 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 a specially sequenced progression plan for second-degree students. Second degree students must have completed supporting course requirements (BIO 171, 273 or MLS 209, BIO 301, NFA 201, and STA 215 or approved substitutions) prior to admission to the Second Degree Concentration nursing major. Students with a non-nursing bachelor's degree who apply for admission are admitted as pre-nursing second bachelor's degree majors. Admission as a pre-nursing second bachelor's degree student does not guarantee admission to the B.S.N. Second Degree Concentration major. Classes are admitted one time per year. Spaces are limited and admission is competitive and based on a review of all required material submitted with the application packet and the entire academic history.

For additional admission information please refer to the Selection Criteria at: <http://www.bsn-gn.eku.edu/bsn>

**BACHELOR OF SCIENCE IN NURSING (B.S.N.)
NURSING
POST-BACCALAUREATE 2ND DEGREE
CONCENTRATION
CIP Code: 51.3801**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... WAIVED FOR POST-BACCALAUREATE STUDENTS
- Student Success Seminar WAIVED FOR POST-BACCALAUREATE STUDENTS
- Writing Intensive Course WAIVED FOR POST-BACCALAUREATE STUDENTS
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - BSN 2nd degree majors will fulfill the ACCT with NSC 492. (Credit hours are incorporated into Major requirements below.)

MAJOR REQUIREMENTS

Core Courses65 hours

NSC 232(2), 232L(1), 262(4), 330, 332(1), 332L(1), 350, 380(2), 380C(2), 386(7), 386C, 390W(2), 392, 392C(2), 396(5), 396C(2), 480, 484(2.5), 484C(2.5), 487(2.5), 487C(2.5), 492(2), 492C, 495(2), 496(2).

Supporting Course Requirements15-17 hours

BIO 171, 273(4) or MLS 209, BIO 301, NFA 201, STA 215 or 270(4) or SOC 232 or approved substitutions.

TOTAL HOURS TO COMPLETE DEGREE80-82 hours

**DEPARTMENT OF
ENVIRONMENTAL HEALTH
SCIENCE**

Chair

**Dr. Vonja Grabell
(859) 622-3078
Dizney 220**

Faculty

D. Barnett, G. Brown, V. Grabeel, J. Klyza, J. Marion, C. Pinion, and S. Pressley.

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 30 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 three 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 DEGREES

**BACHELOR OF SCIENCE (B.S.)
ENVIRONMENTAL HEALTH SCIENCE**

CIP Code: 51.2202

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Environmental Health Science majors will fulfill ACCT with EHS 463 or EHS 349. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements ..37 hours

MAJOR REQUIREMENTS

Core Courses48 hours
EHS 230, 280, 300W (4), 335, 340, 345, 360(4), 370, 380, 425, 440, 460, 463, 485(1), 510, and 530.

Supporting Course Requirements29-31 hours
BIO 111(4)(^gElement 4) and 301; BIO 320(4) or MLS 209, and 211(1); CHE 111/111L(4)(^gElement 4), 112/112L(4), and 361/361L(4); GEO 100 and 353, MAT 114, 122, or 211 (^gElement 2); PHY 101 or 131(5)**; STA 215.

^g = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives.....4-6 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

*A minimum score of 22 on the mathematics portion of the ACT or 530 on the mathematics portion of the SAT.

**If the student plans on entering graduate school upon receiving the baccalaureate degree in Environmental Health Science, PHY 131 may be required by some Universities. MAT 120 is a pre-requisite for PHY 131.

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, 380, 530 and an additional nine hours selected from EHS courses with advisor approval for a minimum of 18 hours.

CERTIFICATES

CERTIFICATE IN ENVIRONMENTAL PUBLIC HEALTH STUDIES (EPHS)

A student may complete a certificate in Environmental Public Health Studies (EPHS) by earning a total of 18 credit hours with a grade of “C” or better in the following:

Certificate Requirements.....18 hours
EHS 230, EHS 280, EHS 335**, EHS 380, EHS 390*, and EHS 425

*EHS 390 is a variable credit course (1-4 hrs.), students in the EPHS program are required to take the course for 3 hours credit.

**Course may have pre-requisite or co-requisite

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

Chair

**Dr. Eric Fuchs
(859) 622-1889
Moberly 233**

Faculty

H. Adams-Blair, J. Cormier, E. Fuchs, J. Hinerman, M. Lane, J. Larkin, W. Johnson, M. Sabin, A. Sciascia, T. Spigelman, and A. Whitson

The Department of Exercise and Sport Science offers Bachelor of Science degrees in Sport Management, and Physical Education with three program concentrations: P-12 Teaching Physical Education and Health, Physical Fitness and Wellness Management, and Pre-Athletic Training/Pre-Physical Therapy. The department also offers minors in Physical Education (non-teaching), and Coaching (non-teaching). The Department also offers a certificate in Coaching/Personal Training.

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.

Sport Management

The major in Sport Management prepares the student for administrative careers in recreational and competitive sports programs, fitness centers, and other sport-related organizations. The complexities and challenges of sports require a well-prepared professional with qualifications in sports programming, supervision, management, facility planning, promotions, and purchasing.

The Sport Management major provides a quality educational experience that will prepare the student for a career in the rapidly changing arena of sport. The students receives cutting-edge instruction in a practice major of study that culminates in an internship experience that gives the student the “hands-on” experience necessary to secure employment within the industry.

The internship is offered cooperatively with a variety of sport organizations, including professional sports teams, college athletic departments, and community organizations.

Students majoring in Sport Management are strongly encouraged to also declare a minor in Business and take the additional nine hours required for the minor.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
PHYSICAL EDUCATION**
CIP Code: 13.1314

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - PE majors pursuing Physical Fitness & Wellness Management will use PHE 472, those in the teaching concentration will use EMS 499, and those in the Pre-Athletic Training/Pre-Physical Therapy concentration will use ATR 430. (Credit hours are incorporated into the major requirements below.)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

Core Courses18 hours

PHE 212, 315, 320, 325, 562, 575; current CPR certification required at time of graduation. Students within all PE concentrations will take these common “core” courses.

Concentrations:

(each student must complete one of the following concentrations)

P-12 Teaching PE & Health30 hours

HEA 315, 345, 380, 375, PHE 224, 300, 305, 310, 323, and 415.

Physical Fitness & Wellness Management.....27-29 hours

PHE 407, 430, 433, 435, 472(6), 517, and 190/390(5); PHE 241(1), 313(2) or 340(3).

(Students must document fifty (50) hours of Fitness & Wellness Management related experiences prior to enrolling in PHE 472.)

Pre-Athletic Training/Pre-Physical Therapy.....28 hours

ATR 225/225L(4), 330, 340/340L, 430; HSA 100, 200; PHE 407, 517, and PHI 383.

Supporting Course Requirements:

All Concentrations6 hours

BIO 171, 301, and NFA 201.

Physical Fitness & Wellness Management.....15 hours

HEA 202, and 320; HEA 315, or 380; MGT 301, MKT 301, and current first aid & CPR certification at time of graduation.

Pre-Athletic Training/Pre-Physical Therapy.....24 hours

BIO 111(4) or 112(4) (°Element 4); CHE 111/111L(4) (°Element 4), 112/112L(4), EMC 104(1), 110(6), MAT 120, PHY 131(5), 132(5); PSY 200 (°Element 5B) and STA 215 or 270(4) (°Element 2)

° = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

Professional Education Requirements:

P-12 Teaching PE & Health Concentration.....38 hours

EDF 203, 204, 219, 413(2), EME 586, EMS 300W, 490(1), 474, ESE 566, PHE 562*, SED 104 (°Element 6), and 12 credit hours of Clinical Experiences: CED 100(0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

° = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

*PHE 562=SED 402

Free Electives:

Physical Fitness & Wellness Management.....15-17 hours

Pre-Athletic Training/Pre-Physical Therapy.....7 hours

(*2 hours of free electives must be at or above the 300 level)

For students interested in Pre-Athletic Training/Pre-Physical Therapy, additional courses may be required outside of the Core, Concentration and Supporting courses to meet requirements of some post-baccalaureate professional programs.

TOTAL HOURS TO COMPLETE DEGREE120-129 hours

**BACHELOR OF SCIENCE (B.S.)
SPORT MANAGEMENT**
CIP Code: 31.0504

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Sports Management majors will fulfill ACCT with PHE 470. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

Core Courses30 hours

PHE 201, 322, 324, 327, 328, 400, 423, 470(6), and 530.

(Students are required to document a minimum of fifty (50) hours of appropriately related experiences prior to enrolling in PHE 470.)

Supporting Course Requirements15 hours

GBU 204, ACC 201, MGT 300 (for business minors) or MGT 301, MKT 300 (for business minors) or MKT 301, ECO 230 (°Element 5B); and CIS 212.

Free Electives38 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

*Students are required to document a minimum of fifty (50) hours of appropriately related experiences prior to enrolling in PHE 470.

MINORS

MINOR IN COACHING (NON-TEACHING)

Minor Requirements.....20 hours
 PHE 212, 301, 383(1), 423; HEA 202(3); two classes from PHE 261(2), 360(2), 361(2), 362(2), 420(2); one class from PHE 224, 305. Current CPR certification required at the time of graduation.

MINOR IN DANCE (NON-TEACHING)

Note: There is a pending proposal to suspend this program in Fall 2017 and no new students are permitted to declare the program.

This minor offers students a chance to expand their knowledge of dance and improve their dance skills while in college. Students may also be able to use this knowledge within many job fields such as nursing, physical therapy, psychology, wellness, health education and recreation just to name a few. The electives allow a student to tailor the program to their own needs.

Minor Requirements.....20 hours
 PHE 200, 300*, 345(2), and PHE 250(1)/350(1)/450(1) Modern Dance I, II, III (min 3, max 6) and six-nine hours electives from the following: PHE 214(1), 230(1), 271(1), 314(1), 330(1), 355(1), 418, 435, 471, or KHP 396 (at UK).

*PHE 300 must be completed prior to the University of KY's KHP 396.

MINOR IN DANCE CERTIFICATION (TEACHING)

Note: There is a pending proposal to suspend this program in Fall 2017 and no new students are permitted to declare the program.

The Dance Certification Minor*** is designed for students who are already in a Teacher Education Program as a chance to add a Dance Certification to their degree. With an additional 23 hours, students will gain the knowledge necessary to effectively teach the Dance Core Content and Program of Studies in the schools as mandated by the state of KY and tested by the CATS exams. Teachers will find that they will be able to use dance to teach concepts in other core content areas or to teach dance for its own value. Since the state of KY has few trained dance specialists, this certification will be an asset to those graduates seeking a teaching job. To be recommended for certification at the completion of the program, candidates must be eligible for initial teaching certification prior to making application for the dance restricted base certificate. An overall program GPA of 2.5 or higher is required for certification.

Minor Requirements.....23 hours
 PHE 200, 250(1), 300* with a grade of "C" or higher, 345(2), 355(1), 471**, 418, KHP 396* (taken at University of Kentucky); 3 hours from skills courses PHE 390 (dance classes), PHE 214(1), 230(1), 271(1), 314(1), 330(1), 350(1), or 450(1).

*PHE 300 and two hours of skills courses must be completed prior to enrolling in KHP 396.

**Must have PHE 300 and KHP 396 before enrolling in PHE 471.

***Must meet College of Education Teacher Education Program requirements.

MINOR IN PHYSICAL EDUCATION (NON-TEACHING)

Minor Requirements.....18 hours
 Six hours from PHE 201, 212, 301, 315, 320, 325, 407, 423, 467, 562, 575; and six hours skill courses from the following: PHE 220(2), 224, 241(1), 250(1), 300, 305, 306, 340, 345(2), 365(2), 435, 450(1); three hours approved by the department chair.

CERTIFICATES

CERTIFICATE IN COACHING/PERSONAL TRAINING

Certificate Requirements.....18-19 hours
 PHE 212, 301, 383(1), 423, 407; Select one class from PHE 261(2), 360(2), 361(2), 362(2), 420(2); one class from PHE 224, 305; EMC 104 (1) or CPR certification.
 Current CPR required at the time of graduation.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Chair

Dr. Dana Keller Bush
 (859) 622-3445
 Burrier 102

Faculty

D. Bush, A. Chatelain, K. Christopher, E. Eliassen, L. Gannoe, R. Harrington, J. Jensen, N. Neidlinger, C. Patrick, M. Sciaraffa, and M. Wilson

The Department of Family and Consumer Sciences offers four Bachelor of Science (B.S.) degree programs: General Dietetics; Family and Consumer Sciences Education; Child and Family Studies with Concentrations in Child Development, Family Studies, Interdisciplinary Early Childhood Education; and Apparel Design and Merchandising. Minors are offered in: Apparel Design and Merchandising, Child and Family Studies, Family and Consumer Sciences, Foodservice Administration, and Nutrition. Information on the Master of Public Health with Public Health Nutrition Concentration and the Master of Arts in Teaching (M.A.T.) for Family and Consumer Sciences Education may be found in the 2015-2016 ECU Graduate Catalog. Students following a first or second major, minor or associate degree must maintain a "C" average in departmental courses (CDF, FCS, FRM, NFA prefixes). Certain degree programs may have a higher GPA requirement.

The mission of the Department of Family and Consumer Sciences is to prepare professionals and leaders who improve the quality of individual, family, and community life through critical and creative thinking and effective communication.

Professional Liability Insurance

Students enrolling in the following classes — CDF 203, 246, 310, 327S, 349, 351, 399, 405, 406, 443, 450, 541, 544, 741, 744, 849, FCS 349, NFA 326, 349, 830, 831, and 835 in the Department of Family and Consumer Sciences — are required to register 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 203, 246, 310, 327S, 349, 351, 399, 405, 406, 443, 450, 541, 544, 741, 744, and 849 — must have a criminal record check and child abuse neglect (CAN) check performed. Students with a criminal or CAN record may be required to drop the course and select another major.

Tuberculosis (TB) Skin Tests

Students are required to observe and/or interact with young children or school age children in the following courses — CDF 203, 246, 310, 327S, 349, 351, 399, 405, 406, 443, 450, 541, 544, 741, 744, and 849. Therefore, students enrolled in these courses are required to submit a negative TB test. Students will be permanently dis-enrolled from the course if the negative tests results are not submitted by the deadline.

Youth Leader Report (YLR)

Students are required to observe and/or interact with young children or school age children in the following courses – CDF 203, 246, 310, 327S, 349, 351, 399, 405, 406, 443, 450, 541 and 544, must have a Youth Leader Background check performed. Students with a criminal record may be required to drop the course and select another major.

Accreditations and Approvals

The Department of Family and Consumer Sciences has several accreditations. All B.S. degrees are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. The Burrier Child Development Center is accredited by the National Association for the Education of Young Children. The B.S. degree in Dietetics is also accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The Family Studies Concentration in the Child and Family Studies B.S. is approved by the National Council on Family Relations.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
APPAREL DESIGN AND MERCHANDISING
CIP Code: 52.1902**

Program Objectives

Upon completion of a degree in Apparel Design and Merchandising graduates will demonstrate critical/creative thinking by: 1) identifying cultural influences on the apparel/textile industry and consumer; 2) applying design principles to visual merchandising and/or apparel design projects; 3) developing apparel and textile products based on target customer need; and 4) communicating ideas and information effectively to the target audience. Graduates are prepared to work in a variety of merchandising and design positions. Recent graduates have been employed in retail management, technical design, visual merchandising, and theatrical costume design. Metropolitan areas provide the most job opportunities. Entry level positions include

management trainee, assistant manager, and design assistant. Two years after graduation students can expect to be employed in positions such as retail manager, district supervisor of stores, technical designer, design journeyman, and visual merchandiser.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Apparel Design and Merchandising majors will fulfill ACCT with ADM 414. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses50 hours
ADM 102, 119, 201, 210, 300, 302, 310, 313, 349 or FCS 330A, 413, ADM 414 (6), CDF 132, FCS 400 or 400W, FRM 352; ADM 319 and 339 or ADM 312 and 412. (ADM 349/ FCS 330A—two hours at sophomore level)

Supporting Course Requirements.....10 hours
CHE 101/101L(^cElement 4); ECO 230(^cElement 5B); PSY 200; MGT (300 or 301) and MKT (300 or 301) or THE (220 and 320).

^c = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives.....23 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**ADM 349/FCS 330A—two hours at sophomore level.

**BACHELOR OF SCIENCE (B.S.)
CHILD AND FAMILY STUDIES
CIP Code: 19.0701**

The Family Studies Concentration prepares graduates to work with individuals and families in a variety of social service settings. Positions are available in family resource centers, community agencies, profit and non-profit organizations that provide services for children, youth, adults and families. The Interdisciplinary Early Childhood Education concentration leads graduates to Kentucky public school certification for teaching children birth through age five. Graduates learn to prepare individual education plans for children who experience developmental delays and support plans to assist families of those children. IECE majors will teach in private agencies serving infants to two years and public school settings (Pre-K, three and four year olds, and kindergarten not connected with primary programs for first through third grade). To be granted a degree in Child and Family Studies students must have a “C” or better in all CDF and supporting courses.

Admission and Progression Requirements for Child and Family Studies Concentrations Child Development and IECE

All students who are accepted by ECU’s Admission office and declare their major as Child and Family Studies are admitted to the University as pre-Child and Family Studies majors. However, admission to the pre-Child and Family Studies program does not

guarantee admission to the Child and Family Studies program. To be admitted to the Child and Family Studies program the following criteria must be met: 1) Minimum of 45 hours with a 2.75 overall GPA, 2) GPA of 3.0 in the following courses CDF 203, 235, 236, 246, 310, 327S with a grade of "C" or better in each course. Once these requirements have been met, the student must apply to the Child and Family Studies Program Director for a change from the pre- Child and Family Studies program to the Child and Family Studies program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (HSO 100; waived or transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT- Early Childhood Development CDF 450; Family Studies CDF 443; Interdisciplinary Early Childhood Education CED 499 (These courses are included in the Major totals)

Total Hours University Graduation Requirements ...37 hours

MAJOR REQUIREMENTS

Program Objectives

Upon completion of a degree in Child and Family Studies graduates will be able to: 1) assess developmental, political, social, cultural, economic and technological influences on the well-being and diversity of individuals, families and communities; 2) design and implement a range of services for individuals, children and families; 3) utilize and interpret appropriate individual, family and program evaluation measures; 4) access community resources and collaborate with community agencies/services; and 5) evaluate and monitor their professional development. The Child Development concentration prepares graduates to teach or administer in any private early childhood program. Graduates may also be employed as a trainer for resource and referral agencies or serve as Education Coordinator in early childhood facilities.

Core Courses 21-24 hours

CDF 132, 235*, 236, 327S, 424, 437; NFA 201 or 317, and FCS 400.

*Course meets Professional Education Requirements.

Concentrations: [May include substantial practicum hours, as mandated by program accrediting bodies.]

Child Development * 36-39 hours

CDF 203, 246, 310, 363, 399 (3-6), 405, 406, 450(9)**, 538, and 547.

Family Studies..... 27 hours

CDF 232, 243, 331, 443(9)**, and 538; CDF 342 and 441.

Interdisciplinary Early Childhood 27 hours

CDF 246, 310, 363, 405, 544, CDS 360, SED 352, 436, 518.

**CDF 443 and 450 are 9 credit hour courses and require a 3.0 GPA in major requirements prior to enrolling.

Supporting Course Requirements:

Child Development..... 12 hours

SED 518 and nine hours from the following: NSC 500, OTS 515, SWK 440, or 456.

Family Studies..... 15 hours

FRM 352; SWK 440, and 456, 457; HEA 345.

Interdisciplinary Early Childhood 12 hours

ELE 519, NSC 500, OTS 515, SWK 440, or 456.

Professional Education Requirements 25 hours

Interdisciplinary Early Childhood Concentration only:

CDF 203*, 235(Concentration) EDF 204*(2), EMS 300W, EDF 413; CDF 544*; SED 104 (Element 6), SED 590, and 14 credit hours of clinical experiences: CED 100(0), 200(0), 300(0.5), 400(0.5) 450(1), and 499(12); SED 352(C Concentration) and 590 (Concentration).

(Students must follow admission requirements for professional education. See College of Education, section regarding teacher admission and certification.)

*= Course also satisfies Core or Concentration requirements
 CDF 203=EDF 203; CDF 235=EDF 219; SED 352=EDF 413;
 SED 590=EMS 490

Free Electives

- Child Development 8-14 hours
- Family Studies 17-20 hours
- Interdisciplinary Early Childhood..... 0 hours

TOTAL HOURS TO COMPLETE DEGREE 120-125 hours

BACHELOR OF SCIENCE (B.S.)
FAMILY AND CONSUMER SCIENCES
EDUCATION (TEACHING)
CIP Code: 13.1308



Program Objectives

Upon completion of a degree in Family and Consumer Sciences Education, graduates will be able to: 1) develop conceptual understanding of child and family studies, nutrition, textiles and apparel design, resource management, housing and design; 2) develop professional attitudes and behaviors based on the history and mission of the Family and Consumer Sciences discipline; and 3) develop effective pedagogical skills and dispositions that are highly contextualized for FCS classrooms. Graduates are prepared to teach in both middle and high school and possess excellent qualifications for working with 4-H youth or in FCS educator positions with the USDA Cooperative Extension Service. The demand for Family and Consumer Sciences teachers and extension agents is high due to current and projected shortages.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Family and Consumer Sciences majors will fulfill ACCT with ESE 499.(These courses are included in the Major totals)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses42 hours

CDF 132, 235; and six hours from CDF 232 or 236 or 331 or 342; FCS 320, 400, FRM 352, NFA 121, 201, 317, ADM 102, 201; and 3 hours in ADM; and 3 hours Family and Consumer Sciences Electives.

Supporting Course Requirements4 hours

CHE 105/105L(1) (Element 4); FIN 311.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Professional Education Requirements 38 hours
 EDC 300, EDF 203, 204, 219(2), 413; SED 104
 (^GElement 6); EMS 300W, 490, 474; ESE 553(4),
 and 11 credit hours of Clinical Experiences: CED
 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).
 (Students must follow admission requirements for professional
 education. See College of Education, section regarding
 teacher admission and certification.)
TOTAL HOURS TO COMPLETE DEGREE121 hours

Candidates earning a degree that leads to teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams to be recommended for licensure in Kentucky. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (www.kyepsb.net/ AND www.ets.org/praxis). Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams. For additional information, candidates may also contact the EPSB Division of Professional Learning and Assessment at (859) 564-5778 or (888) 598-7667 (toll free).

GENERAL DIETETICS PROGRAM

The General Dietetics program leads to a Bachelor of Science degree in General Dietetics. The program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), an agency of the Academy of Nutrition and Dietetics, as a Didactic Program in Nutrition and Dietetics (DPND). Students completing the DPND earn a Verification Statement, which provides eligibility to complete an accredited Dietetic Internship. Acceptance to a Dietetic Internship requires application and program matching through a competitive process. A strong academic record, work experience, and service/leadership in extracurricular activities are essential for obtaining a dietetic internship. Dietetic internships are 6 to 12 months long and include supervised practice in various areas of the dietetics profession. After completion of the internship, the student is eligible to take the national registration exam to become a Registered Dietitian (RD). In most states, including Kentucky, RD status is sufficient to obtain a state license to practice as a dietitian.

Registered Dietitians (RD) work with individuals and groups of all ages to improve health and wellness. Dietitians find employment in a variety of professional settings, including hospitals, long term care facilities, outpatient clinics, health departments, food companies, wellness programs, public health and regulatory agencies, cooperative extension, food service (including hospital, long term care, school, college/university, and prisons), private practice, sales, and research. In these settings, RDs provide medical nutrition therapy; menu planning; recipe and product development; individual counseling related to nutrition and diet; nutrition education to groups and individuals; community nutrition program development, implementation, and evaluation; and research.

Graduates who do not complete a dietetic internship find employment opportunities in public health, food service, cooperative extension, sales, and research. With the DPND verification statement, graduates are eligible to take the national

Dietetic Technician registration exam, and earn the credential Dietetic Technician Registered (DTR). Graduates of the DPND may also seek admission to graduate programs to earn an advanced degree.

The program’s mission, goals, and objectives can be found on the Department of Family and Consumer Sciences website. Also available on the website is information about costs related to the program.

Admission and Progression Requirements

All students who are accepted by EKU’s Admissions Office and declare their major as dietetics are considered for admission to the University as pre-dietetics majors. However, admission to the pre-dietetics program does not guarantee admission to the dietetics program. To be admitted to the dietetics program the following criteria must be met: (1) complete a minimum of 45 semester hours; (2) attain a minimum institutional GPA of 3.0 on a 4.0 scale; (3) earn a “B” or better in CHE 101/101L, CHE 102/10L, ACC 201, STA 215, and BIO 171 or their equivalents if taken at another school; (4) earn a “B” or better in NFA 121, 201, 202, and 317. In addition, a program application form must be submitted. Should there be more qualified applicants than spaces available, applicants will be ranked according to an admission scoring rubric. The application form, admission scoring rubric, and application deadlines are available on the Department of Family & Consumer Science website.

After admission to the dietetics program the student must meet the following criteria to receive a BS Degree and be granted a verification statement: (1) attain a minimum institutional GPA of 3.0 on a 4.0 scale; (2) earn a “C” or better in all major and supporting courses (other than those courses in which a “B” or better is required per admission criteria).

**BACHELOR OF SCIENCE (B.S.)
 GENERAL DIETETICS
 CIP Code: 19.0501**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
 (HSO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (Hrs. incorporated into Major/
 Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
 Supporting/Gen Ed/Free Electives categories)
- ACCT Dietetics majors will fulfill ACCT with NFA 404.
 (These courses are included in the Major totals)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses **56 hours**
 CDF 132, FCS 400, NFA 121, 201, 202(1); 301, 303, 310, 317,
 323, 325, 326, 344, 349 (1) or FCS 330D (1); NFA 401, 402,
 403, 404, 411, 412, 445.
Supporting Course Requirements **21 hours**
 ACC 201, BIO 171, 301, CHE 101/101L(4) (^GElement 4),
 102/102L(4); CIS 212 or INF 104; EHS 380, EMC 105 (1), PSY
 200 (^GElement 5B), and STA 215 (^GElement 2).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives..... **6 hours**
TOTAL HOURS TO COMPLETE DEGREE **120 hours**



To be granted a degree in the General Dietetics Program the student must: (1) attain a minimum institutional GPA of 3.0 on a 4.0 scale and (2) earn a “C” or better in all major and supporting courses (other than those courses in which a “B” or better is required for admission criteria).

MINORS

MINOR IN CHILD AND FAMILY STUDIES

Minor Requirements.....18 hours
 CDF 132, 236; six hours selected from CDF 235, 327, 342, 441 or 501; and six hours CDF electives.

MINOR IN APPAREL DESIGN AND MERCHANDISING

Minor Requirements.....18 hours
 ADM 119, 201, 310, 313, and 6 hours approved ADM electives.

MINOR IN FAMILY AND CONSUMER SCIENCES

Minor Requirements.....18 hours
 ADM 102, CDF 132, 235, FCS 320, FRM 352, NFA 121 or 201 or 317.

MINOR IN FOODSERVICE ADMINISTRATION

Minor Requirements.....18 hours
 NFA 121, 201, and 12 hours selected from NFA 321, 323, 325, 326, 344, or 445.

MINOR IN NUTRITION

Minor Requirements.....18 hours
 NFA 121, 201, and 12 hours from NFA 301, 303, 317, 325, 326, 401, 402, 403, 404, or 411.

CERTIFICATES

CERTIFICATE IN APPAREL DESIGN & MERCHANDISING

Certificate Requirements.....18 hours
 ADM 102, 119 and 201; ADM 412*, 413* or 550 and 6 hours selected from ADM 203, 210*, 310, 312, 313, 319*,
 *Course may have pre-requisite or co-requisite

CERTIFICATE IN EARLY CHILDHOOD DIRECTOR

Certificate Requirements 18 hours
 CDF 203, 235, 236, 246, 327S*, 547

CERTIFICATE IN INFANT/TODDLER CARE & EDUCATION

Certificate Requirements 21 hours
 CDF 203, 235, 236, 310,* 327S*, 405*; Select one class from CDF 501, 541
 *Course may have pre-requisite or co-requisite

DEPARTMENT OF HEALTH PROMOTION AND ADMINISTRATION

Chair
Dr. Michael Ballard
 (859) 622-1916
 Begley 420

Faculty

M. Ballard, M. Bhandari, P. Bryden, K. Clancy, D. Holcomb, D. Jackson, C. King, L. Larkin, J. Lasslo, M. McKinney L. Schwartz, and H. Tudor.

The Department of Health Promotion and Administration is comprised of programs in: Ancillary Health Management, Health Care Administration and Informatics, and Public Health. 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.

BACCALAUREATE DEGREES

HEALTH SERVICES ADMINISTRATION

The department offers a baccalaureate degree in Health Services Administration with concentrations in Ancillary Health Management and Health Care Administration and Informatics.

Ancillary Health Management Concentration

This degree progression concentration gives individuals with a previously completed college degree the opportunity to obtain the management skills needed to become a healthcare supervisor or manager.

Health Care Administration and Informatics Concentration

This concentration gives individuals interested in the administrative aspects of healthcare an interdisciplinary curriculum designed to provide a balance between businesses, healthcare and information technology. This concentration is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Pre-HSA Curriculum

All students who are accepted by the EKU Admissions Office and declare their major as Health Services Administration are initially placed into a pre-HSA curriculum. The curriculum includes: ACC 201; BIO 171, 301; INF 104 or CIS 212; INF 314 or CIS 230; CMS 100 or 210; HSA 100, 200; MAT 105 or 114; STA 215 or 270.

Students may apply for HSA program admission when the following requirements are met:

- Institutional GPA of 2.75 or higher
- Completion of each course in the Pre-HSA curriculum with a grade of C or better after a maximum of two attempts.
 - **Exception:** The following courses are indicators of student success in the program. Therefore, no more than one of the following courses can be taken for a second attempt: BIO 171, BIO 301; MAT 105; STA 215; ACC 201; INF 314.
- Combined GPA of 3.0 or higher in the following courses:

HSA 100, 200, 302, 303, 401; BIO 171, BIO 301; STA 215

- Completion of general education requirements (at least 75%)

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the faculty. The Program reserves the right to accept only the best qualified applicants who meet the minimum requirements.

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 (institutional) 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 Program’s Admission and Progression Committee. The student may appeal this committee’s decision to the College Admission Committee by submitting a written request to the Dean 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.

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.

**BACHELOR OF SCIENCE (B.S.)
HEALTH SERVICES ADMINISTRATION
CIP Code: 51.0706**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Health Services Administration majors will fulfill ACCT with HSA 413. (These courses are included in the Major totals)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 48 hours
HSA 100, 200, 302, 303(4), 306(4), 370(4), 372, 375, 401, 405, 406, 407, 409, 411(1), 412S (1), 413 (4).

Supporting Course Requirements:

All Concentrations.....21-22 hours
BIO 171, 301; INF 314 or CIS 230; CMS 100 or 210 (Element 1C); CSC 104 or CIS 212; MAT 105 (Element 2) or 107(Element 2); MGT 300 or 301; MGT 320 or POL 376; STA 215 or 270(4).

Health Care Administration and Informatics 6 hours

ACC 201, MKT 300 or 301.

⁶ = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives

Ancillary Health Management.....13-14 hours
Health Care Administration and Informatics 7-8 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

PUBLIC HEALTH

Public Health offers the Bachelor of Science degree in Public Health with a Community Health Concentration, a Pre-Professional Concentration, and the Bachelor of Science degree in Public Health and Master of Public Health Accelerated 3 + 2 Dual Degree Accelerated Pathway with a Community Health concentration and a Pre-Professional Concentration. Students who complete the Community Health concentration, the Pre-Professional Concentration, or the accelerated pathway are prepared to determine the health needs of the community and plan and implement effective programs to improve the health of the populations they serve. Community Health Educators may work in Public Health Departments, Volunteer Organizations, Hospitals, and Family Resource Centers. Students who complete the Pre-Professional Concentration receive training in Public Health along with preparation for professional health related graduate programs such as medicine, dentistry, osteopathy, veterinary medicine, or physician assistant. Students in the Pre-Professional Concentration will be assigned to a Public Health advisor and should also meet with an advisor from the Center for Pre-Professional Advising to ensure adequate preparation for professional entrance exams and the professional school application process. Students are responsible for ensuring they have the correct prerequisites for the professional program of their choice.

A student may choose a minor in Community Health (non-teaching) or in School Health P-12 (Teaching). The Bachelor of Science program in Public Health is accredited by the Council on Education for Public Health and 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 EKU in the major. Students who transfer from another college or university must earn a minimum of six hours at EKU in the minor. Students who are accepted by the EKU Admissions Office and declare their major as Public Health with a concentration in Community Health or Pre-Professional Concentration must maintain an overall GPA of 2.25 with a grade of “C” or better in all of the required major and supporting courses found in the Public Health Curriculum.

Professional Liability Insurance

Students enrolling in HEA 463 in the Department of Health Promotion and Administration are required to register 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

**BACHELOR OF SCIENCE (B.S.)
PUBLIC HEALTH
CIP Code: 51.2207**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Public Health majors will fulfill ACCT with HEA 463. (This course is included in the Major total)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 30 hours
HEA 285, 290, 310, 315, 316, 320, and 345; HEA 375 or 592; HEA 380, 455.

Community Health Concentration 27 hours
HEA 202, 350, 410, 460, and 463(6)*; 480W and 490; select three hours from HEA 498, 590, 591, 593, or 595.

Pre-Professional Concentration.....12 hours
HEA 410, 460, 463 and 480W.

Supporting Course Requirements

Community Health Concentration.....12 hours
BIO 171, 301, EHS 280, NFA 201, and POL 376.

Pre-Professional Concentration.....41-42 hours
BIO 111(4)^(C)Element 4), 112(4), 301 or 348; 320(4) or 331, CHE 111/111L(4)^(C)Element 4), 112/112L(4), 361/361L(4), 362/362L(4), 431; MAT 114 or 120^(C)Element 2), NFA 201, PHY 129(1), 131(5), 132(5), PSY 200^(C)Element 5B), STA 215 or 270

^(C)=Course also satisfied a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives:

Community Health Concentration.....14 hours

TOTAL HOURS TO COMPLETE DEGREE.....120-121 hours

**BACHELOR OF SCIENCE (B.S.) & MASTER OF PUBLIC
HEALTH (M.P.H.)
PUBLIC HEALTH
ACCELERATED 3 + 2 DUAL DEGREE
PROGRAM
CIP Code: 51.2207**

Students may apply for admission to the Accelerated 3+2 Dual Degree program in their junior or senior year. When applying for admission, the student must select either a Community Health concentration or a Pre-Professional concentration. Students are able to complete their B.S. degree and M.P.H. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of 800-level graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.P.H. degree. Only undergraduate students of proven academic ability will be considered for the program.

Entrance requirements for the 3+2 program must adhere to the same requirements for the Master of Public Health Program in the Graduate Catalog, except entrance examinations (e.g. GRE) are not required for the 3+2 program. Students must fulfill all graduation requirements listed below. Students admitted into the program will remain coded as undergraduate until fulfilling their B.S. requirements. Students admitted into the 3+2 program must complete the Public Health BS degree with a minimum 3.0 GPA to be allowed to proceed with graduate program coursework.

Students who complete the Pre-Professional Concentration receive training in Public Health along with preparation for professional health-related graduate programs such as medicine, dentistry, osteopathy, veterinary medicine, or physician assistant. Students in the Pre-Professional Concentration will be assigned to a Public Health advisor and should also meet with an advisor from the Center for Pre-Professional Advising to ensure adequate preparation for professional entrance exams and the professional school application process. Students are responsible for ensuring they have the correct prerequisites for the professional program of their choice.

Admission Requirements:

Students interested in this program must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

Program Requirements

Students in 3+2 Accelerated Dual Degree program must complete the listed Public Health (B.S.) program requirements along with the same requirements for the M.P.H. Program (presented in the Graduate Catalog: listing at <http://gradschool.eku.edu/graduate-catalog>). Nine (9) credit hours of 800-level graduate coursework (HEA 810, HEA 830, and HEA 855) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Public Health majors studying Community Health will fulfill ACCT with HEA 463. (These courses are included in the Major totals.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 33 hours
HEA 285, 290, 310, 315, 316, and 345; HEA 375 or 592; HEA 380, MPH 810, 830, and 855.

Community Health Concentration 24 hours
HEA 202, 410, 460, 463(6)*, 480W, and 490; and three hours from HEA 498, 590, 591, 593, or 595.

Pre-Professional Concentration.....12 hours
HEA 410, 460, 463(3), and 480W.

Supporting Course Requirements:

Community Health Concentration.....12 hours
BIO 171, 301, EHS 280, NFA 201, and POL 376
Pre-Professional Concentration.....38-39 hours
BIO 111(4)^(C)Element 4), 112(4), 301 or 348; 320(4) or 331,
CHE 111/111L(4)^(C)Element 4), 112/112L(4), 361/361L(4),
362/362L(4), 431; MAT 114 or 120^(C)Element 2), NFA
201, PHY 129(1), 131(5), 132(5), PSY 200^(C)Element 5B).

^C=Course also satisfied a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 14 hours
Community Health Concentration.....14 hours

TOTAL HOURS TO COMPLETE DEGREE.....120-121 hours

MASTER OF PUBLIC HEALTH PROGRAM REQUIREMENTS

MPH Core Courses 21 hours
MPH 800 or 840; MPH 810, 816, 825, 830, 850, and 855.

MPH Concentration Required Courses:
Community Health Education 12 hours
HEA 820, 825, 875, and 898.
Environmental Health Science..... 9 hours
EHS 855, 865, and 880.

Electives..... 3-6 hours
Research..... 3 hours
Practicum 3 hours
MPH Capstone 1 hour

MPH EXIT REQUIREMENTS

Culminating Experience:
Culminating experience occurs through a three-tiered process.
Students must satisfactorily:
1. Execute a scholarship/research project in a research course, and achieve a passing grade for the course (EHS 890 or HEA 880).
2. Complete MPH 895, the MPH Capstone Course (1 credit hour).
3. Present their scholarship/research project in a way that demonstrates knowledge and mastery of selected public health.

TOTAL PROGRAM HOURS..... 43 hours

MINORS

MINOR IN HEALTH SERVICES ADMINISTRATION

Minor Requirements.....19 hours
HSA 100, 200, 302, 303, 401 and 3 hours of approved HSA electives.

MINOR IN PUBLIC HEALTH

Minor Requirements.....18 hours
HEA 290, 316, 320, 480W, and six hours from HEA 315, 345, 350, 375 or 592; 380, 410, 455, 460, 490, 591, 593, EHS 280.

CERTIFICATES

CERTIFICATE IN HEALTH SERVICES ADMINISTRATION

Certificate Requirements.....19 hours
HSA 100, 200, 302, 303(4)*, 401, and 3 hours of approved HSA electives

Students may use any additional HSA course to satisfy the 3-hour elective. The only exceptions to this policy are the professional practice experience courses (HSA 411, 412S and 413). These courses are only taken by students majoring in Health Services Administration.

*Course may have prerequisite or corequisite

CERTIFICATE IN PUBLIC HEALTH

Certificate Requirements18 hours
HEA 290, 316, 320, 480W*, six hours from HEA 315, 345, 350, 375 or 592; 380, 410, 455, 460, 490*, 591, 593, EHS 280.

*Course may have prerequisite or corequisite

DEPARTMENT OF MEDICAL LABORATORY SCIENCE

Chair

Dr. Vonja Grabeel
(859) 622-3078
Dizney 220

Faculty

S. Altheide, P. Campbell and I. El-Amouri

Medical Laboratory Science (MLS) Program

All students who are admitted to the University by the EKU Admissions Office and declare their major as medical laboratory science (MLS) are assigned pre-MLS major status. Admission to the upper-division MLS program requires an overall grade point average (GPA) of 2.5 with a grade of "C"/2.0 or better in each of the required supporting courses. Transfer students must maintain a GPA of 2.5 in courses at EKU as well as an overall GPA of 2.5 for admission to the upper division program.

Students who meet the upper division program requirements will be accepted 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 upper division program requirements.

Progression Policy

The Department of Medical 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 MLS program, a student must maintain an overall GPA of 2.5 with a grade "C"/2.0 or better in each of the supporting and major courses of the curriculum.

BACCALAUREATE DEGREE**BACHELOR OF SCIENCE (B.S.)
MEDICAL LABORATORY SCIENCE**
*CIP Code: 51.1005***UNIVERSITY GRADUATION REQUIREMENTS**

- General Education..... 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Medical Laboratory Science majors will fulfill ACCT with MLS 438. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements ... 37 hours**MAJOR REQUIREMENTS**

Core Requirements 57 hours
 MLS 201, 300(2), 303(1), 305(2), 308(2), 309(1), 310(5), 320, 346(5), 350(5), 355(4), 431, 432(5), 434(4), 436(1), 437, 438(4), 439(1), 440(2), and 441(1).

Supporting Course Requirements 19 hours
 BIO 111(4)^(G)Element E-4; BIO 301/378(4) or 348(4); CHE 111/111L(4)^(G)Element E-4, 112/112L(4), MLS 290, and HSA 200; CIS 212 or INF 104; MAT 114 ^(G)Element E-2.

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives 7 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours**DEPARTMENT OF OCCUPATIONAL
SCIENCE AND OCCUPATIONAL
THERAPY****Chair**

Dr. Colleen Schneck
 (859) 622-3300
 Disney 103

Faculty

J. Baltisberger, R. Causey-Upton, M. Custer, A. Fleischer, L. Hardman, C. Hayden, J. Hight, D. Howell, K. Leigers, A. Marshall, S. O'Brien, K. Nicholas, D. Pierce, C. Privott, C. Schneck, C. Skubik-Peplaski, G. Spira, and M. Thompson.

The Department of Occupational Science and Occupational Therapy provides a continuum of educational experiences that prepare a student at the undergraduate level for a career as a non-credentialed health and human service professional and at the graduate level for a career as an occupational therapist. Undergraduate students can enter the Occupational Science program, receive a Bachelor of Science degree, and apply for admission to the master's program in Occupational Therapy. Individuals with a baccalaureate degree in another field and

who have completed the required prerequisite courses can apply for admission to the transition program (See Graduate Catalog) and earn a second B.S. Degree in Occupational Science. After completing the Master of Science degree in Occupational Therapy, students are eligible to take the occupational therapy national certification examination.

The Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449, (301) 652-2682, www.acoteonline.org. Certification for the occupational therapy profession is provided through the National Board for Certification in Occupational Therapy (NBCOT), 12 South Summit Ave., Suite 100, Gaithersburg, MD 20877-4150, www.nbcot.org.

Baccalaureate Degree in Occupational Science (BS)

Occupational science, an evolving social science, is the study of human occupation. Occupational scientists study why and how we occupy our time through activity, organize ourselves through activity patterns and habits, respond to the context in which occupations occur, and create meaning through occupations.

Students may combine the study of human occupation with other areas of interest through electives or a minor, including but not limited to, Horses, Humans and Health, Psychology, Child and Family Studies, Biology, Community Health, Gerontology, and Business. While many graduates of the Occupational Science program apply for entry into the Occupational Therapy Master's program, some may choose other graduate education options or seek 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 five themes of the occupational science curriculum are occupation, reasoning, diversity, communication, and professional identity. Interwoven are the curriculum elements of 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. Graduates of the Occupational Science program meet the following outcomes:

1. Apply knowledge of occupational science to analyze self and others as occupational beings to promote health and wellness.
2. Analyze the dynamics of context and occupation across the lifespan.
3. Demonstrate the use of varied types of reasoning required of health professionals.
4. Analyze the purpose and demonstrate the methods of scholarly inquiry.
5. Examine dimensions of diversity.
6. Assess how diversity influences occupational opportunity and participation of individuals, populations and organizations.
7. Evaluate communication skills and abilities using the ideas and language of occupational science.
8. Demonstrate observation and interview skills.
9. Synthesize knowledge of societal health concerns and professional responsibilities.
10. Appraise actions as a student, advocate, educator, leader and researcher.

Admission and Progression Requirements

All students who are accepted by EKU’s Admission office and declare their major as Occupational Science are admitted to the University as pre-Occupational Science majors; however, admission to the University does not guarantee admission to the Occupational Science program. Admission is competitive and based on a review of the applicants’ academic history by the department’s Admission, Progression and Retention Committee. Students seeking consideration for admission to the Occupational Science program must meet the following requirements by May in the semester preceding the Fall semester start of the junior year:

1. Completion of 60 hours of coursework, including prerequisites courses
2. Overall GPA of 3.0 or above
3. A minimum of 4 “B”s and 1 “C” in the following prerequisite courses or their equivalents (BIO 171, 301, HSA 200, STA 215, PSY 200)
4. No more than 1 repeat per course in the following prerequisites or their equivalents (BIO 171, 301, HSA 200, STA 215, PSY 200)
5. Health Science Reasoning Test (HSRT)

Application to the Occupational Science Program does not guarantee acceptance in to the program.

Students seeking admission to the Occupational Science program and progression to the junior year must follow this process:

1. By March 15th prior to progressing to the junior year of the Occupational Science program, all students must submit an Application for Admission to the Department Chair.
2. Transfer students must be fully admitted to the University by March 15th to be considered for admission to the Occupational Science Program. Students are responsible for submitting their official transcripts to the Office of the Registrar.
3. Based on a competitive admissions review, students will be informed of admission to Occupational Science program after Spring semester grades are posted.
4. **Students admitted to the Occupational Science program will then be allowed to register for the junior year classes.**

To progress to senior year, all junior academic year required major and support courses must be completed with a grade of “C” or better.

To graduate, all senior academic year required major and support courses must be completed with a grade of “C” or better as well as completion of general education and university requirements for graduation.

For additional admission information please refer to the Selection Criteria at <http://www.ot.eku.edu/>

Enrollment in the Master of Science program in Occupational Therapy is limited. Completion of the undergraduate program in Occupational Science does not guarantee admission into the graduate program in Occupational Therapy. Refer to the Graduate Catalog for admission requirements and procedures regarding application to the Master of Science program in Occupational Therapy.

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. Grade Appeals should be addressed to the Academic Practices Committee. See the University Student Handbook for details of the appeal procedures.

BACCALAUREATE DEGREE

**BACHELOR OF SCIENCE (B.S.)
OCCUPATIONAL SCIENCE**
CIP Code: 51.2306

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Occupational Science majors will fulfill ACCT with OTS 402S. (These courses are included in the Major totals)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 45 hours
 OTS 301(4), 302, 311, 312, 313, 335, 362, 401, 402S, 421, 422(4), 430, 432(4), and 478.

Supporting Course Requirements 18 hours
 BIO 171, 271, 301, 371, HSA 200, PSY 200 or 200W^(G)Element 5B), 308, and STA 215^(G)Element 2).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 17 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
OCCUPATIONAL SCIENCE
POST-BACCALAUREATE 2ND DEGREE
PATHWAY
[TRANSITION PROGRAM TO THE MS IN OT
PROGRAM]
*CIP Code: 51.2306***

This competitive pathway is designed to prepare students who have completed a Bachelor’s degree in a discipline other than Occupational Science for entrance into the entry level Master of Science in Occupational Therapy program. It is a one year post-baccalaureate program leading to a second Bachelor of Science degree in Occupational Science.

Admission Requirements

1. Bachelor’s degree in a discipline other than Occupational Science from a regionally accredited university.
2. “C” or better in all prerequisite coursework: Human Anatomy, Human Physiology, Abnormal Psychology, and Statistics.
3. 3.0 GPA on the most recent 60 hours of coursework (prerequisites to the transition year not included in the most recent 60 hours will be added in the calculation of GPA) or a 3.0 overall undergraduate GPA (all hours attempted in the semester in which the 60th hour occurs will be counted) determined by May 1st

program application deadline. In addition, applicants who do not have an institutional GPA of 3.0 or higher must also complete the GRE to satisfy the admission requirements of the Graduate School.

4. Health Science Reasoning Test (HSRT) Overall Target Score of 15.
5. Three letters of recommendation.

Specific Criteria

Students should apply through the undergraduate school and the Department of Occupational Science and Occupational Therapy by May 1st. Prerequisite course work must be completed by the end of the Spring semester of the application year. Students may be requested to submit a course description of prerequisite course work with the application. Students will be admitted on a competitive basis using a weighted matrix. Students accepted into the Transition program are required to take a year of undergraduate courses prior to beginning Master of Science course work. Students who are accepted into the Transition program must be enrolled in Fall semester transition year courses by July 1st and will continue on into the Master of Science program after completing the transition year courses, if they maintain a GPA of 3.0 during the transition year, complete all transition year courses with a “C” or better and are accepted by the Graduate School. Students will apply to the Graduate School during the transition year of course work. The deadline for application to the Graduate School is February 1st.

UNIVERSITY GRADUATION REQUIREMENTS

- General EducationWAIVED
 - Student Success SeminarWAIVED
 - Writing Intensive CourseWAIVED
 - ACCT - will fulfill the ACCT with OTS 402S
- (Credit hours are incorporated into Major requirements below.)

MAJOR REQUIREMENTS

Core Courses30 hours
 BIO 271, 371; OTS 311, 312, 362, 401, 402S, 422, 430 and 478W.
TOTAL HOURS TO COMPLETE DEGREE30 hours

MINOR

MINOR IN HORSES, HUMANS AND HEALTH

This interdisciplinary minor offers students a chance to explore the horse-human-health connection through various professions and perspectives. Students interested in working in the equine industry may pair this minor with any major to develop their interests and career paths. An elective in human development offers students the ability to tailor their academic study to individual needs. A student may complete this minor by taking 18 hours (including prerequisites/corequisites) as indicated below.

Minor Requirements.....18 hours

OTS 205, REC 210*, AGR 250, OTS 479S, ANS 497* (topic: the horse), and one elective in human development from the following: CDF 235, CDF 342, CDF 441, HEA 285, OTS-421*, PSY 280, or SED 104.

*Indicates the course may have prerequisites or corequisites.

CERTIFICATES

CERTIFICATE IN HORSES, HUMANS AND HEALTH

Requirements.....18 hours

OTS 205, REC 210*, AGR 250, OTS 479S, ANS 497* (topic: horse), and one elective in human development from the following: CDF 235, CDF 342, CDF 441, HEA 285, OTS 421*, PSY 280*, SED 104.

*Course may have pre-requisite or co-requisite

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

Chair

Dr. Jon McChesney
 (859) 622-1833
 Begley 407

Faculty

M. Bradley, B. Clark, 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 concentrations: Tourism & Resort Recreation, Natural Resources & Recreation Management, Recreation Management and Programming, 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 EKU in their major. Students who transfer from another college or university must earn a minimum of six hours at EKU in their minor.

Graduates of the Tourism & Resort Recreation concentration 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 & Recreation Management concentration find 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 Recreation Management and Programming concentration 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 concentration 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 internship (12 credit hours) serves as an excellent transition from school to work, and many students are hired directly out of their internship.

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 concentration courses must be completed prior to enrollment in REC 463, Senior Internship or Rec 473 Therapeutic Recreation Internship.

BACCALAUREATE DEGREE

**BACHELOR OF SCIENCE (B.S.)
RECREATION AND PARK ADMINISTRATION
CIP Code: 31.0301**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Recreation and Park Administration majors will fulfill ACCT with REC 463 or 473. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses.....31 hours
REC 101(1), 102, 163(1), 200, 263(2), 311, 350, 401, 406, 410, 450W, and 460:

Concentrations: (students must select one of the following)
Natural Resources & Recreation Management.....29 hours
REC 180 (1), 190(1), 290, 380, REC 463(12), 516, 530; and 3 hours from the following: REC 590 or WLD 317.

Recreation Management and Programming.....31 hours
REC 190(1), 225, 280, 290, 480, 463(12), 530 and 3 hours from the following courses: REC 516 or 590.

Therapeutic Recreation.....27 hours
REC 210, 411S, REC 473(12), 511, 512S; REC 520.

Tourism & Resort Recreation.....30 hours
REC 225, 250, 280, 380, 480, 463 (12), and 3 hours from the following courses: REC 516, 530 or 590.

Supporting Course Requirements (all concentrations).....0^G hours
CMS 210(^GElement 1C)

Additional Supporting Course Requirements:

Therapeutic Recreation Concentration.....13 hours
EMC 105 (1), BIO 171, 301; PSY 200 or 200W(^GElement 5B), 280 or 280W, 308.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives:

Natural Resources & Recreation Management.....23 hours
Recreation Management & Programming.....21 hours
Therapeutic Recreation.....12 hours
Tourism & Resort Recreation.....22 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.) AND MASTER OF SCIENCE (M.S.)
RECREATION AND PARK ADMINISTRATION
Accelerated 3+2 Dual Degree Program
CIP Code: 31.0301**

Students may apply for admission to the Accelerated 3+2 Dual Degree program in their junior or senior year. Students are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program.

Entrance requirements for the 3+2 must adhere to the same requirements for the M.S. Recreation and Park Administration Program in the Graduate Catalog, except entrance examinations (e.g. GRE) are not required for the 3+2 program. Students must fulfill all graduation requirements listed below. Students admitted into the program will remain coded as undergraduate until fulfilling their BS requirements. Students admitted into the 3+2 program must complete the Recreation And Park Administration BS degree with a minimum 3.0 GPA to be allowed to proceed with graduate program coursework.

Admission Requirements:

Students interested in this option must satisfy all of the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

Program Requirements

Students in 3+2 Accelerated Dual Degree program must complete the listed Recreation And Park Administration B.S. program requirements along with the same requirements for the Recreation And Park Administration M.S. Program (presented in the Graduate Catalog: listing at <http://gradschool.eku.edu/graduate-catalog>). Nine (9) credit hours of 700-level graduate coursework (REC 716, REC 730, and REC 790) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (hours incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/

Supporting/Gen Ed/Free Electives categories)

- ACCT - Recreation And Park Administration majors will fulfill ACCT with REC 463 or 473 (credit hours are incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses.....50 hours
 REC 101(1), 102, 163(1), 190(1), 200, 263(2), 290, 311, 350, 401, 406, 410, 450W, 460, 463(12), 790.

Natural Resources Recreation Management Concentration.....10 hours
 REC 180(1), 380, 716, 730

Recreation Management and Programming Concentration.12 hours
 REC 225, 280, REC 716, REC 730

Supporting Courses requirements: CMS 210(Element 1C)...0 hours
 Free Electives.....21-23 hours
TOTAL HOURS TO COMPLETE B.S. DEGREE..... 120 hours

M.S. RECREATION AND PARK ADMINISTRATION MAJOR REQUIREMENTS

Recreation And Park Administration Core Requirements ..18 hours
 REC 801, 809, 825, 830, 840, and 850

Supporting Course Requirements.....9 hours
 REC 716, REC 730, REC 790, GRD 887e (0)

Elective3 hours
 Exit Requirement

GRD 887e.....0 hours
 Total Requirements.....30 hours

EXIT REQUIREMENTS

Thesis – a thesis is optional in this degree program.
 Comprehensive Examination – A comprehensive examination is required (GRD 887e).

Required to be submitted with 3+2 program proposals is a Two-Year Course Scheduling Plan for eligible courses (REC 716, REC 730 and REC 790). Below is the scheduling plan:

Fall	Winter	Summer
REC 716	REC 790	REC 730
REC 790		

MINOR

MINOR IN RECREATION AND PARK ADMINISTRATION (NON-TEACHING)

Minor Requirements.....19 hours
 REC 101, 102, 200 or 311, 280 or 460, and nine additional hours from REC 180(1), 190, 210, 225, 250, 280, 290, 311, 349, 350, 380, 401, 406, 409, 410, 411, 460, 480, 511, 512S, 516, 530, or 590.

CERTIFICATES

CERTIFICATE IN ADVENTURE RECREATION & LEADERSHIP

Certificate Requirements18 hours

REC 163 (1), 180 (1), 263 (2), REC 349 (2), 290, 460***12 hours**
 Select six hours from REC 409*, 516/716, 530/730, 590/790**6 hours**

*Course may have pre-requisite or co-requisite

CERTIFICATE IN TOURISM & EVENT PLANNING

Certificate Requirements18 hours

REC 163(1), 263 (2), 349, 280, 380, 460*, 480
 *Course may have pre-requisite or co-requisite

DEPARTMENT OF ASSOCIATE NURSING

NURSING A.S.N.			
FIRST YEAR	FIRST YEAR	SECOND YEAR	SECOND YEAR
First Semester	Second Semester	First Semester	Second Semester
HSO 100.....1	ENG 102.....3	BIO 273 or MLT 209/211 .....4	Gen Ed. E-3.....3
ENG 101 .....3	BIO 301 .....3	NUR 232 .....5	Gen Ed. E- 4B or E-2 .....3
BIO 171.....3	SOC 131 .....3	NUR 232C.....3	NUR 240 .....5
NFA 201 .....3	NUR 124 .....3	NUR 234 .....2	NUR 241C .....3
NUR 114 .....5	NUR 124C .....2	NUR 234C.....1	NUR 255 .....2
NUR 114C.....3	NUR 126.....2	TOTAL .....17	TOTAL .....16
TOTAL .....18	NUR 126C .....1		
	TOTAL .....18		

DEPARTMENT OF BACCALAUREATE AND GRADUATE NURSING

PRE-RN NURSING B.S.N.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	BIO 273 or MLT 209 3-4	NSC 330 3	NSC 480..... 3
CHE 105 & 105L 4	NSC 232 2	NSC 386 7	NSC 484 2.5
Gen. Ed. E-1A..... 3	NSC 232L..... 1	NSC 386C..... 3	NSC 484C..... 2.5
PSY 200 3	NSC 242 3	STA 215 or 270 or SOC 232...3-4	NSC 487 2.5
Gen. Ed. E-4.....3	NSC 252 3	Total 16-17	NSC 487C..... 2.5
Gen. Ed. 3	NFA 201 3		Total 13
Total 17	Total 15-16		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 171 3	STA 215* or Gen Ed. 3	NSC 390W 2	NSC 492 2
BIO 301 3	NSC 332 1	NSC 392 3	NSC 492C..... 3
Gen. Ed. E-1B..... 3	NSC 332L..... 1	NSC 392C..... 2	NSC 495 2
MAT 105.....3	NSC 350 3	NSC 396 5	NSC 496 2
Gen. Ed. E-1C.....3	NSC 380..... 2	NSC 396C..... 7	Total 9
Gen. Ed. (3A or B, 5A, or 6) .. 3	NSC 380C 2	Gen. Ed. (3A or B, 5A, or 6) .. 3	
Total 18	Gen. Ed 3	Total 17	
	Total 15		
	*or approved substitution		

NURSING B.S.N. - POST-BACCALAUREATE 2ND DEGREE OPTION

FALL TERM	SPRING TERM	FALL TERM
First Semester (1st 8-weeks)	Second Semester	Fourth Semester
NSC 232 .....2	NSC 330 .....3	NSC 390W .....2
NSC 232L.....1	NSC 386 .....7	NSC 480.....3
NSC 262 .....4	NSC 386C.....3	NSC 484 .....5
NSC 350 (entire semester).....3	NSC 392 .....3	NSC 484C.....
	NSC 392C.....2	Total .....10
	Total .....18	
First Semester (2nd 8-weeks)	SUMMER TERM	SPRING TERM
NSC 332 .....1	Third Semester	Fifth Semester
NSC 332L.....1	NSC 396 .....5	NSC 495 .....2
NSC 380.....2	NSC 396C.....2	NSC 496 .....2
NSC 380C .....2	NSC 487 .....2.5	NSC 492 .....2
NSC 350 (entire semester)	NSC 487C.....2.5	NSC 492C.....3
Total .....16	Total .....12	Total .....9

DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE

ENVIRONMENTAL HEALTH SCIENCE B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	EHS 335 3	STA 215 3	EHS 510 3
EHS 280..... 3	Gen. Ed. E-3B 3	EHS 360..... 4	Gen. Ed. E-3A 4
Gen. Ed. E-6..... 3	CHE 112..... 3	EHS 425..... 3	GEO 353..... 3
Gen. Ed. E-1A..... 3	CHE 112L..... 1	EHS 345..... 3	CHE 361..... 3
MAT 114/122 or 211 3	Gen. Ed. E-5A 3	Total 13	CHE 361L..... 1
BIO 111 4	BIO 301 3		Total 14
Total 17	Total 16		
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	EHS 340..... 3	EHS 300w..... 4	EHS 440..... 3
CHE 111 3	Free Elective 3	MLS 209 and 211, or BIO 320 4	EHS 460..... 3
CHE 111L..... 1	Gen. Ed. E-6..... 3	EHS 380..... 3	EHS 485..... 1
Gen. Ed. E-1C..... 3	PHY 131 or PHY 101..... 3-5	EHS 370..... 3	EHS 463..... 3
Gen. Ed. E-5B 3	EHS 230..... 3	EHS 530..... 3	Free Elective 1-3
GEO 100..... 3	Total 15-17	Total 17	Total 11-13
Total 16			

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

PHYSICAL EDUCATION B.S. - FITNESS & WELLNESS MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	Gen. Ed 3A..... 3	PHE 435..... 3	PHE 430..... 3
NFA 201 3	Gen. Ed 4 3	PHE 325..... 3	PHE 575 3
Gen. Ed E-1A ENG 101 3	Gen. Ed 5A..... 3	Free Elective 3	HEA 202 3
Gen. Ed E-6..... 3	PHE 315 3	MGT 301 3	PHE 562..... 3
MAT 105 or higher..... 3	BIO 171 3	PHE 407..... 3	PHE 190 1
Free Elective 3	PHE 241, 313, or 340..... 1-3	PHE 190..... 1	Total 13
Total 16	Total 16-18	Total 16	
Second Semester	Second Semester	Second Semester	Second Semester
PHE 212 3	Gen. Ed 3B..... 3	HEA 315 or 380 3	PHE 433..... 3
Gen. Ed E-1B ENG 102 3	Gen. Ed 4 3	HEA 320 3	Free Elective 3
Gen. Ed E-6..... 3	Gen. Ed 5B..... 3	Free Elective 2-3	PHE 472 Summer Internship 6
CMS 100 or 210 3	PHE 320..... 3	MKT 301 3	Total 12
Free Elective 3	BIO 301 3	PHE 517 or NFA 517 3	
PHE 190 1	PHE 190..... 1	PHE 190..... 1	
Total 16	Total 16	Total 15-16	

PHYSICAL EDUCATION B.S. - PRE-ATHLETIC TRAINING/PRE-PHYSICAL THERAPY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSA 100..... 1	PSY 200 3	ATR 330 3	ATR 430..... 3
HSA 100 3	BIO 301 3	EMC 104 1	PHE 517..... 3
NFA 201 3	PHE 320..... 3	PHE 407..... 3	PHE 575..... 3
Gen. Ed E-1A ENG 101 3	HSA 200 3	PHY 131..... 5	Gen. Ed. E-6..... 3
Gen. Ed. E-5A 3	CHE 111/111L (E-4)..... 4	PHI 383 or 383W 3	Gen. Ed. E-3B 3
MAT 120 or higher..... 3	Total 16	Total 15	Total 15
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
PHE 212 3	ATR 225 3	ATR 340 2	PHE 562 3
Gen. Ed E-1B (ENG 102) 3	ATR 225L..... 1	ATR 340L..... 1	PHE 315 3
BIO 171 3	PHE 325..... 3	PHY 132 5	Gen. Ed. E-3A 3
STA 215 or 270 (E-2) 3-4	BIO 111 or 112 (E-4) 4	EMC 110..... 6	Gen. Ed. E-6..... 3
Gen. Ed. E-1C..... 3	CHE 112/112L 4	Total 14	Elective..... 2
Total 15-16	Total 15		Total 14

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PHYSICAL EDUCATION B.S. - P-12 TEACHING PE AND HEALTH CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
HSO 100.....	1	Gen. Ed E-3B.....	3	PHE 305.....	3	EME 586.....	3
Gen. Ed E-1A.....	3	Gen. Ed E-2.....	3	PHE 320.....	3	CED 450.....	1
Gen. Ed E-5A.....	3	Gen. Ed E-4.....	3	Gen. Ed E-6.....	3	PHE 575.....	3
NFA 201.....	3	BIO 171.....	3	PHE 323.....	3	PHE 562.....	3
PHE 212.....	3	EDF 219.....	3	EDC 300.....	3	HEA 375.....	3
SED 104.....	3	CED 200.....	0	EDF 413.....	2	ESE 566.....	3
Total.....	16	HEA 315.....	3	EMS 490.....	1	Total.....	16
		Total.....	18	CED 400.....	0.5		
				Total.....	18.5		
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed E-1B.....	3	Gen. Ed. E-5B.....	3	HEA 380.....	3	CED 499.....	9
Gen. Ed E-1C.....	3	Gen. Ed E-3A.....	3	PHE 325.....	3	EMS 474.....	3
Gen. Ed E-4.....	3	BIO 301.....	3	PHE 310.....	3	Total.....	12
PHE 224.....	3	HEA 345.....	3	PHE 415.....	3		
CED 100.....	0	PHE 315.....	3	PHE 300.....	3		
EDF 203.....	3	EDF 204.....	2	EMS 490.....	1		
Total.....	15	Total.....	17	EDF 413.....	2		
				CED 400.....	0.5		
				Total.....	18.5		

SPORT MANAGEMENT B.S. - BUSINESS MINORS

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
HSO 100.....	1	Gen. Ed. E-3B.....	3	PHE 322.....	3	PHE 423.....	3
Gen. Ed E-1A.....	3	Gen. Ed. E-4.....	3	Free Elective.....	3	MGT 300.....	3
Gen. Ed E-2.....	3	ACC 202.....	3	Free Elective.....	3	Free Elective.....	3
Gen. Ed E-1C.....	3	PHE 324.....	3	Free Elective.....	3	Free Elective.....	3
PHE 180.....	3	GBU 204.....	3	CSC 300 or CCT 330W.....	3	Free Elective.....	3
Total.....	16	CIS 212 or INF 104.....	3	Total.....	15	Total.....	15
		Total.....	18				
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B.....	3	Gen. Ed. E-5A.....	3	PHE 328.....	3	Free Elective.....	3
Gen. Ed. E-3A.....	3	PHE 400.....	3	PHE 530.....	3	Free Elective.....	3
Gen. Ed. E-4.....	3	ECO 230.....	3	MKT 300.....	3	PHE 470.....	6
Gen. Ed. E-6.....	3	PHE 327.....	3	Free Elective.....	3	Total.....	12
ACC 201.....	3	Gen. Ed 6.....	3	Free Elective.....	3		
Total.....	15	Total.....	15	Total.....	15		

SPORT MANAGEMENT B.S. - NON-BUSINESS MINORS

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
HSO 100.....	1	Gen. Ed. E-4.....	3	PHE 322.....	3	PHE 423.....	3
Gen. Ed. E-1A.....	3	Gen. Ed. E-4.....	3	Free Elective.....	3	MGT 300.....	3
Gen. Ed E-2.....	3	Free Electives.....	3	Free Elective.....	3	Free Elective.....	3
Gen. Ed E-1C.....	3	GBU 204.....	3	Free Elective.....	3	Free Elective.....	3
PHE 180.....	3	PHE 324.....	3	CIS 212.....	3	Free Elective.....	3
PHE 201.....	3	ACC 202.....	3	Total.....	15	Total.....	15
Total.....	16	Total.....	18				
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B.....	3	Gen. Ed. E-5A.....	3	PHE 328.....	3	Free Elective.....	2-3
Gen. Ed. E-3A.....	3	Gen. Ed. E-5B.....	3	PHE 530.....	3	PHE 470.....	6
Gen. Ed. E-3B.....	3	Gen. Ed. E-6.....	3	MKT 300.....	3	Total.....	8-9
Gen. Ed E-6.....	3	PHE 400.....	3	Free Elective.....	3		
ACC 201.....	3	ECO 230.....	3	Free Elective.....	3		
Total.....	15	Total.....	18	Total.....	15		

DEPARTMENT OF FAMILY AND CONSUMER SCIENCE

APPAREL DESIGN AND MERCANDISING B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	Gen. Ed. E-3B 3	ADM 300 3	ADM 413 3
Gen. Ed. E-1A..... 3	PSY 200 3	ADM 302..... 3	MGT 301 or THE 320 3
Gen. Ed. E-1C..... 3	CHE 101 3	ADM 319/312..... 3	FCS 400W..... 3
ADM 119..... 3	CHE 101L 1	ADM 310 3	Gen. Ed. E-6..... 3
Gen. Ed. E-3A 3	ADM 201 3	FRM 352 3	Free Elective 3
Free Elective 3	ADM 349..... 2	Total 15	Total 15
Total 16	Total 15		
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	Gen. Ed. E-5A 3	ADM 313 3	Free Elective 8
Gen. Ed. E-2..... 3	Gen. Ed. E-4..... 3	ADM 399/412 3	ADM 414 6
ADM 102 3	ECO 230..... 3	Gen. Ed. E-6..... 3	Total 14
CDF 132..... 3	ADM 210 3	MKT 301 or THE 220 3	
Free Elective 3	Free Elective 3	Free Elective 3	
Total 15	Total 15	Total 15	

CHILD AND FAMILY STUDIES B.S. - CHILD DEVELOPMENT			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	Gen. Ed. E-2..... 3	CDF 424..... 3	CDF 399 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	CDF 363 3	CDF 406..... 3
CDF 203..... 3	Gen. Ed. E-4A 3	CDF 437 3	CDF 547 3
CDF 132..... 3	CDF 246 3	SED 518..... 3	Supporting Course..... 3
Elective..... 2	NFA 317 or 201 3	Supporting Course..... 3	Elective..... 3
SED 104 3	Total 15	Total 15	Total 15
Total 15			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	Gen. Ed. E-4B 3	CDF 399 3	CDF 450 9
Gen. Ed. E-1C..... 3	Gen. Ed. E-5A 3	CDF 405..... 3	CDF 538 3
Gen. Ed. E-3A 3	Gen. Ed. E-5B 3	FCS 400W..... 3	Supporting Course..... 3
CDF 235 3	CDF 310 3	Gen. Ed. E-6..... 3	Total 15
CDF 236 3	CDF 327S 3	Elective..... 3	
Total 15	Total 15	Total 15	

CHILD AND FAMILY STUDIES B.S. - FAMILY STUDIES OPTION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSO 100..... 1	Gen. Ed. E-2..... 3	Elective..... 3	Free Elective..... 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-5A 3	Elective..... 3	Elective..... 3
CDF 132..... 3	Gen. Ed. E-4A 3	CDF 441 3	SWK 440..... 3
Elective..... 3	Gen. Ed. E-6..... 3	FRM 352 3	FCS 400W..... 3
Elective..... 3	CDF 232 3	SWK 457 3	CDF 538 3
Total 13	Total 15	Elective..... 3	CDF 456..... 3
		Total 18	Total 18
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	Gen. Ed. E-4B 3	Elective..... 3	CDF 443 9
Gen. Ed. E-1C..... 3	Gen. Ed. E-5A 3	HEA 345..... 3	CDF 424 3
Gen. Ed. E-3A 3	Gen. Ed. E-5B 3	CDF 342 3	CDF 437 3
CDF 235 3	CDF 243 3	NFA 317 or 201 3	Total 15
CDF 236 3	CDF 327S 3	CDF 331..... 3	
Total 15	Total 15	Elective..... 3	
		Total 18	

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CHILD AND FAMILY STUDIES B.S. - INTERDISCIPLINARY EARLY CHILDHOOD EDUCATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	ENG 210, 210W, or 211..... 3	CDF 405..... 3	FCS 400 3
CDF 132..... 3	CMS 100.....3	BIO 102 or GEO 210 3	SED 436 3
ENG 101 or 105 3	CDF 246..... 3	SED 352.....3	CDF 544 3
CDF 203 3	SED 104.....3	OTS 515..... 3	CED 450..... 1
Gen. Ed. E-2..... 3	CDS 360 3	EMS 300 3	ELE 519.....3
CED 100 3	Gen. Ed. E-5B 3	CED 300 0.5	SED 518.....3
EDF 204.....2	Total 18	Total 15.5	Total 16
Total 15			
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102..... 3	CDF 437 3	EDF 413.....3	CDF 499 12
CDF 235 3	Gen. Ed. E-4B 3	CED 400 0.5	Total 12
CED 200 0	CDF 327S 3	SED 590 3	
Gen Ed. E-5A 3	Gen Ed. E-6..... 3	NSC 500.....3	
Gen. Ed. E-3A 3	SWK 456 or 440 3	CDF 310 3	
CDF 236 3	CDF 424 3	CDF 363 3	
Total 15	Total 18	Total 15.5	

FAMILY AND CONSUMER SCIENCES EDUCATION B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	EDF 219 3	EMS 490 3	SED 401 3
NFA 201 3	CED 200 0.5	CED 400 0.5	CED 450..... 1
CDF 132..... 3	NFA 317..... 3	Gen. Ed. E-5A 3	Gen. Ed. E-6..... 3
Gen. Ed. E-1A..... 3	CDF 235 3	ADM Elective 3	CDF 331 or 342 or 236 or 232
Free Elective 3	FRM 352 3	FIN 311..... 3	..... 3
Gen. Ed. E-5B 3	Gen. Ed. E-3A 3	ESE 574..... 3	FCS 400W..... 3
Total 16	Total 15.5	Total 15.5	ESE 553..... 4
			Total 17
Second Semester	Second Semester	Second Semester	Second Semester
CED 203..... 3	EMS 300W 3	EDF 413 3	CED 499..... 12
CED 100 0.5	CED 300 0.5	Gen. Ed. E-4B 4	Total 12
NFA 121..... 3	FCS 320..... 3	CDF 331 or 342 or 236 or 232	
ADM 102 3	ADM 201..... 3	..... 3	
Gen. Ed. E-1B..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-4A 3	
Gen. Ed. E-2..... 3	Gen. Ed. E-3B 3	Gen. Ed. E-6..... 3	
Total 15.5	Total 15.5	Total 16	

GENERAL DIETETICS B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-4.....3	NFA 310 .....3	NFA 303.....3
Gen. Ed. E-1A.....3	Gen. Ed. E-6.....3	BIO 301 .....3	NFA 401 .....3
Gen. Ed. E-1C.....3	NFA 317.....3	NFA 325 .....3	NFA 402.....3
CHE 101 .....3	CIS 212 or INF 104 .....3	NFA 326 .....3	NFA 412 .....3
CHE 101L.....1	Gen Ed. E-2 (STA 215).....3	NFA 323 .....3	FCS 400W.....3
NFA 201 .....3	Total .....15	Total .....15	Total .....15
Total .....14			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Gen. Ed. E-3.....3	NFA 301 .....3	NFA 411.....3
Gen. Ed. E-2.....3	Gen. Ed. E-5A .....3	NFA 344.....3	NFA 403.....3
PSY 200 .....3	ACC 201 .....3	CDF 132.....3	NFA 404.....3
NFA 121.....3	BIO 171.....3	EHS 380.....3	NFA 445.....3
CHE 102 .....3	Gen. Ed. E-6.....3	EMC 105.....1	Elective.....3
CH102L.....1	Total .....15	NFA 349 or FCS 330 D.....1	Total .....15
NFA 202 .....1		Total .....14	
Total .....17			

DEPARTMENT OF HEALTH PROMOTION AND ADMINISTRATION

HEALTH SERVICES ADMINISTRATION B.S. - ANCILLARY HEALTH MANAGEMENT

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-5B .....3	HSA 303.....4	HSA 375 .....3
Gen. Ed. E-1A.....3	BIO 171.....3	HSA 302.....3	HSA 406.....3
MAT 105 or 114 .....3	HSA 100 .....3	HSA 401 .....3	HSA 409.....3
CMS 100 or 210 .....3	INF 104 or CIS 212 .....3	MGT 300 or 301 .....3	HSA 412S .....1
Gen. Ed. E-4.....3	Elective.....3	Free Elective.....3	Elective.....3
Gen. Ed. E-3A or E-3B.....3	Total .....15	Elective.....2	Total .....13
Total .....16		Total .....18	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Elective.....3	HSA 370.....4	HSA 372 .....3
Gen. Ed. E-5A .....3	BIO 301 .....3	HSA 306.....4	HSA 405.....3
Gen. Ed. E-3B .....3	HSA 200 .....3	HSA 411.....1	HSA 407.....3
Gen. Ed. E-4.....3	STA 215 or 270.....3-4	MGT 320.....3	HSA 413 .....4
Gen. Ed. E-6.....3	INF 314 or CIS 230 .....3	Gen. Ed. E-6.....3	Total .....13
Total .....15	Total .....15-16	Total .....15	

HEALTH SERVICES ADMINISTRATION B.S. - HEALTH CARE ADMINISTRATION AND INFORMATICS

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-5B .....3	HSA 303.....4	HSA 375 .....3
Gen. Ed. E-1A.....3	BIO 171.....3	HSA 302.....3	HSA 406.....3
MAT 105 or 114 .....3	HSA 100 .....3	HSA 401 .....3	HSA 409.....3
CMS 100 or 210 .....3	INF 104 or CIS 212 .....3	MGT 300 or 301 .....3	HSA 412S .....1
Gen. Ed. E-4.....3	ACC 201 .....3	Free Elective.....3	MKT 300 or 301.....3
Gen. Ed. E-3A .....3	Total .....15	Elective.....2	Total .....13
Total .....16		Total .....18	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Elective.....3	HSA 370.....4	HSA 372 .....3
Gen. Ed. E-5A .....3	BIO 301 .....3	HSA 306.....4	HSA 405.....3
Gen. Ed. E-3B .....3	HSA 200 .....3	HSA 411.....1	HSA 407.....3
Gen. Ed. E-4.....3	STA 215 or 270.....3-4	MGT 320.....3	HSA 413 .....4
Gen. Ed. E-6.....3	INF 314 or CIS 2303	Gen. Ed. E-6.....3	Total13
Total15	Total15-16	Total15	

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PUBLIC HEALTH B.S. - COMMUNITY HEALTH CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-5B .....3	BIO 301 .....3	HEA 350 .....3
Gen. Ed. E-1A.....3	Gen. Ed. E-4B .....3	HEA 310.....3	HEA 410.....3
HEA 202 .....3	BIO 171.....3	HEA 375.....3	HEA 455.....3
Gen. Ed. E-3A .....3	Elective.....3	HEA 380 .....3	HEA 480W.....3
HEA 285 .....3	EHS 280.....3	POL 376 .....3	HEA 498, 590, 591, 593, or 595 .....3
Gen. Ed. E-3B .....3	Total .....16	Total .....15	Total .....15
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Gen. Ed. E-6.....3	HEA 315 .....3	HEA 460 .....3
Gen. Ed. E-1C.....3	NFA 201 .....3	HEA 316.....3	HEA 463 .....3
Gen. Ed. E-2.....3	Gen. Ed. E-6.....3	HEA 320 .....3	HEA 490 .....6
Gen. Ed. E-5A .....3	HEA 290 .....3	HEA 345.....3	Total .....12
Gen. Ed. E-4A .....3	Electives .....4	Elective.....3	
Total .....15	Total .....16	Total .....15	

PUBLIC HEALTH B.S. - PRE-PROFESSIONAL CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	BIO 320 or 331.....3-4	BIO 301 or 348 .....3	HEA 345.....3
BIO 111 .....4	CHE 361/361L .....4	CHE 431 .....3	HEA 455.....3
CHE 111/111l .....4	HEA 290 .....3	HEA 316.....3	HEA 480W.....3
ENG 101 or 105.....3	PHY 129 .....1	Gen. Ed. (3B) .....3	HEA 380 .....3
MAT 114 or 120.....3	PHY 131.....5	Gen. Ed (6).....3	STA 215 or 270.....3
Total .....15	Total.....16-17	Total .....15	Total .....15
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	CHE 362/362L .....4	HEA 310.....3	HEA 460 .....3
CHE 112/112L .....4	PHY 132 .....5	HEA 315 .....3	HEA 410.....3
ENG 102.....3	PSY 200 .....3	HEA 320 .....3	HEA 463 .....3
HEA 285 .....3	Gen. Ed. ....3	NFA 201 .....3	HEA 592.....3
Gen. Ed. E-1C.....3	Total .....15	Gen. Ed. (5A) .....3	Total .....12
Total .....17		Gen. Ed. (6).....3	
		Total .....18	

PUBLIC HEALTH B.S. AND M.P.H. 3+2 ACCELERATED DUAL DEGREE PROGRAM

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-5B .....3	HEA 310.....3	HEA 460 .....3
Gen. Ed. E-1A.....3	Gen. Ed. E-4B .....3	HEA 345.....3	HEA 463 Internship .....3
HEA 202 .....3	BIO 171 .....3	HEA 375.....3	HEA 490 .....6
Gen. Ed. E-3A .....3	Elective.....6	HEA 380 .....3	MPH 830 .....3
HEA 285 .....3	HEA 290 .....3	HEA 410.....3	Total .....15
Gen. Ed. E-3B .....3	Total .....18	POL 376 .....3	
Elective.....1		Total .....18	
Total .....17			
Second Semester	Second Semester	Second Semester	
Gen. Ed. E-1B.....3	Gen. Ed. E-6.....3	HEA 315 .....3	
Gen. Ed. E-1C.....3	NFA 201 .....3	HEA 480W.....3	
Gen. Ed. E-2.....3	Gen. Ed. E-6.....3	HEA Elective 498, 590, 591,	
Gen. Ed. E-5A .....3	HEA 316 .....3	593, or 595 .....3	
Gen. Ed. E-4A .....3	Elective.....3	MPH 810 .....3	
EHS 280.....3	BIO 301 .....3	MPH 855.....3	
Total .....18	Total .....18	Elective.....1	
		Total .....16	

HEALTH SCIENCES

DEPARTMENT OF MEDICAL LABORATORY SCIENCE

MEDICAL LABORATORY SCIENCE B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	BIO 111..... 4	MLS 300..... 2	MLS 432..... 5
MAT 114..... 3	MLS 201..... 3	MLS 303..... 1	MLS 434..... 4
CHE 111..... 3	Gen. Ed. E-1C..... 3	MLS 308..... 2	MLS 436..... 1
CHE 111L..... 1	Gen. Ed. E-5B..... 3	MLS 309..... 1	MLS 437..... 3
Gen.Ed. E-1A..... 3	Elective..... 2	MLS 310..... 5	MLS 439..... 1
Gen.Ed. E-3A or E-3B..... 3	Total..... 15	MLS 350..... 5	MLS 440..... 2
Gen.Ed. E-6..... 3		Total..... 16	MLS 441..... 1
Total..... 17			Total..... 17
Second Semester	Second Semester	Second Semester	
CHE 112..... 3	BIO 301..... 3	MLS 305..... 2	
CHE 112L..... 1	BIO 378..... 1	MLS 320..... 3	
Gen.Ed. E-1B..... 3	CIS 212 or INF 104..... 3	MLS 346..... 5	
Gen.Ed. E-3B or E-3B..... 3	HSA 200..... 3	MLS 355..... 4	
Gen.Ed. 5A..... 3	Elective..... 1	Total..... 14	
Elective..... 1	Lifetime Wellness..... 3		
Total..... 14	Gen.Ed. E-6..... 3		
	Total..... 17		
	Summer Semester	Summer Semester	
	MLS 290..... 3	MLS 431..... 3	
		MLS 438..... 4	

DEPARTMENT OF OCCUPATIONAL SCIENCE AND OCCUPATIONAL THERAPY

OCCUPATIONAL SCIENCE B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	BIO 171..... 3	OTS 301..... 4	OTS 312..... 3
ENG 101..... 3	Gen. Ed. E-3A..... 3	OTS 311..... 3	OTS 401..... 3
Gen.Ed. E-1C..... 3	Gen. Ed. E-5..... 3	OTS 432..... 4	OTS 422..... 4
Gen.Ed. E-4..... 3	Free Elective..... 3	PSY 308..... 3	BIO 271..... 3
Gen.Ed. E-5..... 3	Gen. Ed. E-6..... 3	Total..... 14	Elective..... 3
Elective..... 3	Total..... 15		Total..... 16
Total..... 16			
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102..... 3	BIO 301..... 3	OTS 302..... 3	OTS 362..... 3
STA 215..... 3	HSA 200..... 3	OTS 313..... 3	OTS 402S..... 3
PHI 130..... 3	Gen. Ed. E-6..... 3	OTS 335..... 3	OTS 430..... 3
Gen.Ed. E-4..... 3	Elective..... 3	OTS 421..... 3	OTS 478W..... 3
Elective..... 3	Elective..... 3	BIO 371..... 3	Elective..... 3
Total..... 15	Total..... 15	Total..... 15	Total..... 15

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

RECREATION AND PARK ADMINISTRATION B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100..... 1	Gen. Ed. E-3B..... 3	Gen. Ed. E-6..... 3	Gen. Ed. E-6..... 3
Free Elective..... 3	Gen. Ed. E-4..... 3	CMS 210..... 3	PSY 308..... 3
Gen.Ed. E-1A..... 3	REC 200..... 3	REC 350..... 3	REC 410..... 3
Gen.Ed. E-3A..... 3	REC 210..... 3	REC 460..... 3	REC 511..... 3
REC 101..... 1	PSY 200..... 3	REC 411S..... 3	Gen. Ed. E-5B..... 3
REC 102..... 3	Total..... 15	Total..... 15	Total..... 15
EMC 105..... 1			
Total..... 15			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	Gen. Ed. E-4..... 3	BIO 301..... 3	REC 473..... 12
Gen. Ed. E-2 Math..... 3	Elective..... 3	REC 401..... 3	Total..... 12
Gen. Ed. E-5A..... 3	PSY 280..... 3	REC 406..... 3	
BIO 171..... 3	REC 263..... 2	REC 512S..... 3	
REC 163..... 1	REC 311..... 3	REC 450W..... 3	
Elective..... 3	Total..... 14	Total..... 15	
Total..... 16			
		Summer	
		REC 520..... 3	

HEALTH SCIENCES

RECREATION AND PARK ADMINISTRATION B.S. AND M.S. 3+2 ACCELERATED DUAL DEGREE PROGRAM - RECREATION MANAGEMENT AND PROGRAMMING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-3B.....3	Gen. Ed. E-5A.....3	Gen. Ed. E-6.....3
Free Elective.....3	Gen. Ed. E-4.....3	REC 350.....3	REC 460.....3
Gen.Ed. E-1A.....3	REC 311.....3	REC 406.....3	REC 480.....3
REC 101.....1	REC 290.....3	REC 410.....3	REC 716.....3
REC 102.....3	Elective.....3	Elective.....3	REC 450W.....3
REC 163.....1	Total.....15	Total.....15	Total.....15
REC 190.....1			
Total.....13			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Gen. Ed. E-4.....3	Gen. Ed. E-5B.....3	REC 463.....12
Gen. Ed. E-2 Math.....3	REC 225.....3	Gen. Ed. E-6.....3	Total.....12
Gen. Ed. E-3A.....3	REC 280.....3	REC 401.....3	
REC 263.....2	CMS 210.....3	REC 790.....3	
REC 200.....3	Elective.....3	Elective.....3	
Elective.....3	Total.....15	Elective.....3	
Total.....17		Total.....18	
		Summer	
		REC 730.....3	

RECREATION AND PARK ADMINISTRATION B.S. AND M.S. 3+2 ACCELERATED DUAL DEGREE PROGRAM - NATURAL RESOURCES RECREATION MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
HSO 100.....1	Gen. Ed. E-3B.....3	Gen. Ed. E-5A.....3	Gen. Ed. E-6.....3
Free Elective.....3	Gen. Ed. E-4.....3	REC 350.....3	REC 410.....3
Gen.Ed. E-1A.....3	REC 200.....3	REC 380.....3	REC 460.....3
REC 101.....1	REC 290.....3	Elective.....3	REC 716.....3
REC 102.....3	Elective.....3	Elective.....3	REC 450W.....3
REC 163.....1	Total.....15	Total.....15	Total.....15
Elective.....2			
Total.....14			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B.....3	Gen. Ed. E-4.....3	Gen. Ed. E-5B.....3	REC 463.....12
Gen. Ed. E-2 Math.....3	REC 263.....2	Gen. Ed. E-6.....3	Total.....12
Gen. Ed. E-3A.....3	REC 311.....3	REC 401.....3	
REC 180.....1	CMS 210.....3	REC 406.....3	
REC 190.....1	Elective.....3	REC 790.....3	
Elective.....3	Elective.....3	Total.....15	
Total.....14	Total.....17		
		Summer	
		REC 730.....3	

HEALTH SCIENCES

College of Justice and Safety

Dr. Victor E. Kappeler, Dean

Stratton 354-A

(859) 622-3565

Dr. Gary W. Potter, Associate Dean

Stratton 348-A

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SCHOOL OF JUSTICE STUDIES

**SCHOOL OF SAFETY, SECURITY AND
EMERGENCY MANAGEMENT**

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 six colleges that comprise the academic structure of the University. Within the College of Justice & Safety is the School of Justice Studies, and the School of Safety, Security, & Emergency Management. Faculty in the College are nationally and internationally known for their teaching, research and service.

The Commonwealth of Kentucky named the College of Justice & Safety as the first Program of Distinction at Eastern Kentucky University in 1998. The Program of Distinction has funded renovations for a new Stratton annex, Ashland Building and Perkins Building, new degree programs, upgraded classrooms and computer labs, provided additional research opportunities for faculty and students, as well as scholarship opportunities for students majoring in programs offered by the college.

Associate, baccalaureate, and master's degree programs are offered by the College of Justice and Safety. Many programs are also available online.

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 with little or no loss of credit.

Most programs in the College are housed in the Stratton Building, an outstanding and unique facility which includes two annexes, a remodeled shared entrance; renovated student commons and classrooms with new technology, 250-seat auditorium, two computer labs and a cafeteria. The Fire Science programs have additional offices, classroom, and labs in Ashland Building and the Emergency Medical Care program has offices, classrooms and labs in the Stratton Annex.

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 to a professional advisor, in the Academic & Advising Center, who will assist in selecting the proper courses leading to the desired degree.

DEGREE REQUIREMENTS

General University degree requirements appear in Section Four of this Catalog, and specific requirements for each of the degree programs offered by the College of Justice and Safety

appear below; both sets of requirements must be met by students completing associate and baccalaureate programs. Unless otherwise specified, 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 Student Success Seminar.

MAJOR AND MINOR CREDIT MINIMUM

Unless otherwise specified, regardless of the advanced standing under which the student may have been admitted or what credits have transferred, 18 hours of advanced course work (courses numbered 300 or above) applied for credit toward the major subject for a baccalaureate degree, nine 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.

SCHOOL OF JUSTICE STUDIES

Associate Dean

Dr. Gary W. Potter

Stratton Building, Room 348-A

Faculty

J. Brent, K. Blevins, A. Brisman, V. Collins, C. Dewhurst, G. Ferrell, C. Fields, S. Hunt, S. Kappeler, V. Kappeler, P. Kraska, M. Land, C. Lawson, J. Lawson, T. Linnemann, B. Matthews, W. McClanahan, K. Minor, D. Paulsen, G. Potter, C. Root, D. Rothe, J. Schept, I. Soderstrom, J. Wells, and S. Williams.

College of Justice and Safety Residency Requirement

The College of Justice and Safety requires that students graduating with a baccalaureate degree from the School of Justice Studies, or the School of Safety, Security, and Emergency Management, must earn a minimum of 18 upper division credit hours in the home subject of their major (excluding co-op and applied learning), as specified by Degree Works.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
CORRECTIONS AND JUVENILE JUSTICE
STUDIES**

CIP Code: 43.0102

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Corrections and Juvenile Justice Studies majors will fulfill ACCT with COR 375 or CRJ 490 or CRJ 490W. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Majors must have a minimum grade point average of at least 2.0 across major core, option, and elective course requirements in order to graduate.

Core Courses21 hours
COR 201, 311, 360; CRJ 313 or 313S, 331, 388, 400.

COR Electives..... 18 hours
Select from CRJ 490 or CRJ 490W or any upper division COR elective in consultation with major advisor.

Supporting Courses.....6 hours
Select any two of the following courses in consultation with major advisor: any upper division CRJ course; HLS 101, 201, 321, 341; PLS 103, 216, 316, 380, 390, 415; PSY 200 or 200W(⁶Element 5B), 308, 314.

Free Electives.....38 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

Online Course Work

The major requirements for the Bachelor of Science B.S. degree, as well as coursework required for professional certificates (see below), are to be completed online. For first-time freshmen, admission requirements include a high school GPA of 2.5 or greater and a 20 composite ACT or 950 SAT math and verbal combined score. If a student is below in an area they will be directed to complete a college readiness course at time of registration. Admission requirements for transfer students include a GPA of 2.0 on a 4.0 scale and good academic and financial standing at previous institution. The University requirement that B.S. students must earn a minimum of 30 of the last 36 hours through EKU is waived for students pursuing the B.S. major requirements online. However, a minimum of 32 hours must be earned through EKU.

**BACHELOR OF SCIENCE (B.S.)
CRIMINAL JUSTICE**

CIP Code: 43.0103

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Criminal Justice majors will fulfill ACCT with CRJ 313S, 424, 490, HON 420, PLS 349, or 349(A-N).(Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses.....15 hours
CRJ 101, 313 or 313S, 331, 388, 400.

CRJ Electives.....27 hours
Select at least one course from each of the three areas: (12 hours must be upper division).

1. Corrections: CRJ 204, 302, 303 or 360.
2. Law and Juvenile Justice: PLS 216, PLS 316, PLS 416, CRJ 312, CRJ 314, or CRJ 311.
3. Policing: PLS 103, 340, 401, 411 or 420.

Supporting Course Requirements.....9 hours
Select courses from at least two of the following areas in consultation with major advisor: AFA, APP, ENV, HLS, POL, PSY, SJS, SOC, or WGS.

Free Electives or Minor.....32 hours
Majors are recommended to include 3 hrs (200 level or above) of Foreign language or American Sign Language (ASL) in consultation with their major advisor (⁶Element 6).

⁶ = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF SCIENCE (B.S.)
POLICE STUDIES**

CIP Code: 43.0107

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs)1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Police Studies majors will fulfill ACCT with CRJ 313S, 424, 490, HON 420, PLS 349, or 349(A-N). (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses24 hours
CRJ 101, 331, 388, 400; PLS 103, 326, 414, 415.

Major Electives.....24 hours

JUSTICE AND SAFETY

Select from PLS, CRJ or COR electives (12 hrs must be upper division courses).

Supporting Electives.....6-9 hours

Select 9 hours from: APS 210, EMC 102 or 110, FOR 301, FSE 250, or TRS 332, or a combination to include 3 hrs (200 level or above) of Foreign language or American Sign Language (ASL) in consultation with major advisor (^GElement 6).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....26-29 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF SCIENCE (B.S.)
SOCIAL JUSTICE STUDIES**

CIP Code: 30.9999

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Orientation Course (JSO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 18 hours
SJS 101, 250S, 301, 313, 396, and 450S

SJS Electives 15 hours
Select from any upper division SJS electives in consultation with major advisor: SJS 322, 325, 401, 467, 470, 480, or 490

Supporting Courses 12 hours
Select courses from at least two of the following areas in consultation with major advisor: APP, CRJ, POL, SOC, or WGS

Free electives..... 38 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

ASSOCIATE DEGREE

**ASSOCIATE OF ARTS (A.A.)
POLICE STUDIES**

CIP Code: 43.0107

UNIVERSITY GRADUATION REQUIREMENTS

General Education36 hours
Standard General Education program (Elements 1-6 inclusive, per Section Four of this Catalog). Students should refer to their DegreeWorks audit for General Education course selections. Foreign language (200 level or above) or American Sign Language (ASL), selected in consultation with major advisor, is encouraged as a selection to fulfill General Education Element 6.

Student Success Seminar (JSO 100; waived for transfers

with 30+ hrs.).....1 hour

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses15 hours
CRJ 101, PLS 103, 326, 414, 415.

PLS Electives12 hours
Select from PLS, CRJ or COR electives.

Total Curriculum Requirements64 hours

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 414, and 9 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.

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 406; SOC 235 or POL 464; and SOC 313 or 375. (Students majoring in police studies or criminal justice may not minor in social justice.)

CERTIFICATES

**PROFESSIONAL CERTIFICATE IN CORRECTIONAL
INTERVENTION STRATEGIES**

This certificate includes 12 hours of required courses and 12 hours of electives and is available in the online format. Courses include content that reflects the theoretical and contemporary issues facing corrections professionals. The program will enhance student knowledge regarding effective correctional interventions, provide students with practical knowledge that can be used in their daily work, and for students interested in continuing their education, provide a first step toward degree completion.

Major Requirements.....12 hours
COR 201, 302, 303, 360.

Electives.....12 hours
Select from COR 323, 340, 410, 412, 413, 420, 423; CRJ 313, 331.

Total Curriculum Requirements24 hours

PROFESSIONAL CERTIFICATE IN YOUTH SERVICES

This certificate includes 12 hours of required courses and 12 hours of electives and is available in the online format. Courses include content that reflects the theoretical and contemporary issues facing juvenile justice professionals. The program will enhance student knowledge regarding effective juvenile justice interventions, provide students with practical knowledge that can be used in their daily work, and for students interested in continuing their education, provide a first step toward degree completion.

Major Requirements.....12 hours
COR 311, 321, 360, 422.

Electives.....12 hours
COR 322, 340, 410, 420, 421, 423; CRJ 313, 331.

Total Curriculum Requirements24 hours

SCHOOL OF SAFETY, SECURITY & EMERGENCY MANAGEMENT

Associate Dean

Dr. Gary W. Potter

Stratton Building, Room 348

Faculty

R. Baggett, E. Blair, M. Collier, N. Davis, R. Dotson, S. Dunlap, D. Fifer, C. Foster, G. Gorbett, P. Grant, C. Hanks, W. Hicks, S. Hunter, J. McGlown, D. Miller, J. Pharr, T. Rawlins, J. Reichert, T. Schneid, M. Schumann, B. Spurlock, D. Stumbo, W. Sullivan, D. Wolman and W. Young.

*College of Justice and Safety
Residency Requirement*

The College of Justice and Safety requires that students graduating with a baccalaureate degree from the School of Justice Studies, or the School of Safety, Security, and Emergency Management, must earn a minimum of 18 upper division credit hours in the home subject of their major (excluding co-op and applied learning), as specified by Degree Works.

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 Emergency Medical Care Program. Admission to the Emergency medical Care Program does not guarantee admission to the Advanced Emergency Medical (paramedic) sequence.

Emergency Medical Care students are accepted each semester. Students are selected for admission into the Advanced Emergency Medical Care Program once a year. Selection is made based on the admission matrix. Criteria include: GPA, entrance exam scores, pre-requisite course grades and completion. Information meetings or communication will be held. Please refer to the EMC webpage for additional information.

Additional Requirements

1. Students must have a minimum grade of “C” in all advanced sequence, EMC pre-requisite courses.
2. Students must maintain a minimum GPA of 2.0 on a 4.0 scale.

3. Students must purchase and maintain the student liability insurance prior to enrollment in EMC 110, 115, 342, 352, 360, 362.
4. All transfer credit evaluation and program approval must be completed prior to the application deadline.

NREMT-P TO ASSOCIATE OF PARAMEDICINE (ASP) DEGREE PROGRAM

Admission Requirements:

Current holders of National Registry of Emergency Medical Technicians – Paramedic (NRP or State credentialing as defined by the program) certification may earn the Associate of Paramedicine (ASP) degree through an accelerated program offered by the EMC department. Applicants for admission into this accelerated program are accepted each semester.

Program

Students admitted into the NRP NREMT-P to ASP program will be required to take all general education and supporting coursework for the Associate of Science Paramedicine (A.S.P.).

Core Courses:

EMC 380 and 382.

After successful completion of both EMC 380 and 382, students will receive 18 credit hours which include EMC 335, 340, 342, 352, 360, 362.

EMC 105, 110, 303.

Credit for EMC 105, 110, 303, is available through successful completion of department proficiency examinations.

EMC 104, 310, 315, and 320.

Current and maintained certification in AHA CPR for Healthcare Professionals, ACLS-EP, PALS (and/or PEPP), and certification in PHTLS (or ITLS) may result in credit for EMC 104, 310, 315, and 320.

Supporting and General Education Courses are required:

General Education Elements:

Element 1. ENG 101, 102; Element 3. Arts and Humanities (3 credit hours); and Element 5B and Social Behavioral Sciences (3 credit hours);

Supporting Courses:

BIO 130, 171, 301.

A total of 64 credit hours are required to obtain the Paramedicine (A.S.P.). Students must also obtain a minimum grade of “C” in all EMC courses. Students must also maintain an overall EKU GPA of 2.0 on a 4.0 scale.

Transferring Paramedic Credit into the EMC Program

Effective January 2013 the National Registry has instituted a policy requiring that all candidates for certification must complete coursework from a CoAEMSP nationally accredited paramedic program.

Time Limit for Program Completion

To maintain EKU’s status as a CoAEMSP nationally-accredited paramedic program students must progress through their EMC advanced sequence of classes (200-level and 300-level courses, as well as supporting courses) within a specified time limit. Each student must successfully complete all of these courses before they are eligible to take the NREMT skill and didactic examinations to obtain the NREMT Paramedic card. The start

of an individual student's time limitation ("advanced sequence and testing clock") will be determined by the student's program advisor.

Credit from a CoAEMSP Accredited Paramedic Program

Students with transfer credit from a CoAEMSP accredited paramedic program may have this credit used to fulfill a portion of their major and supporting program requirements. Such work will be evaluated by EMC faculty for comparability and content; students may be required to complete departmental exams to gauge subject mastery and to assist with appropriate course placement.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
EMERGENCY MEDICAL CARE**

CIP Code: 51.0904

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100 [1]; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Emergency Medical Care majors will fulfill ACCT with EMC 362.
(Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses..... 39 hours
EMC 300, 303, 305, 310, 320, 335, 340, 342/342L, 352/352L, 360(2), 362(4), 400, 489.

Major Concentrations (select one):

Emergency Services Administration, Paramedical Clinic/FSE, or Paramedic Science.

Supporting Courses:

Emergency Services Administration Concentration.....26 hours

BIO 171, 301; CHE (°Element 4) 101/101L, 102/102L; EMC 420, 430, or 430W, 440, 480; PSY 200(°Element 5B), 308.

Paramedical Clinic/FSE

Concentration.....23 hours

BIO 171, 301; CHE (°Element 4) 101/101L, 102/102L; FSE 200, 320; FSE 225 or OSH 261; PSY 200 (°Element 5B), 308.

Paramedic/Science Concentration.....32 hours

BIO 318(4), 171, 273(4), 301; CHE (°Element 4) 111/111L, 112/112L, 361/361L, 362/362L; PHY 131(5).

° = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above. A maximum of 3 cr. hr. will count toward Element 4.

Free Electives.....12-21 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.)
FIRE, ARSON, AND EXPLOSION
INVESTIGATION**

CIP Code: 43.0205

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Fire, Arson and Explosion Investigations majors will fulfill ACCT with FSE 496.
(Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

The Department of Safety, Security, and Emergency Management requires that each graduate of Fire, Arson, and Explosion Investigation (B.S.) must complete a minimum of 32 credit hours in the College of Justice and Safety at Eastern Kentucky University and must complete a minimum of 18 upper division credits from the Safety, Security and Emergency Management Department.

Core Courses.....59 hours
FSE 101, 120, 200, 201 or 201S, 221, 223, 250, 260, 280, 305, 330, 349(3), 350, 355, 370, 380, 450, 495, 496, 499(2).

Supporting Course Requirements.....14 hours
CHE 101/101L(4) (°Element 4), 102/102L(4), or CHE(°Element 4) 111/111L, 112/112L; FOR 301; MAT 114 (°Element 2).

° = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above. A maximum of 3 cr. hr. will count toward Element 4.

Free Electives.....16 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.)
FIRE PROTECTION ADMINISTRATION**

CIP Code : 43.0202

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Fire Protection Administration majors will fulfill ACCT with FSE 400.
(Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

The Department of Safety, Security, and Emergency Management requires that each graduate of Fire Protection

Administration (B.S.) must complete a minimum of 32 credit hours in the College of Justice and Safety at Eastern Kentucky University and must complete a minimum of 18 upper division credits from the Safety, Security and Emergency Management Department.

Core Courses.....66 hours
 FSE 101, 120, 200, 201, 221, 223, 225, 230, 300W, 305, 320, 322, 349(3), 350, 355, 360, 365, 375, 400, 425; OSH 261, 390.

Supporting Course Requirements.....17 hours
 CHE 101/101L(4) (^gElement 4), 102/102L(4); MAT 114 (^gElement 2); PSY 200(^gElement 5B); TRS 235.
^g = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above. A maximum of 3 cr. hrs. will count toward Element 4.

Free Electives.....9 hours
TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.)
 FIRE PROTECTION AND SAFETY
 ENGINEERING TECHNOLOGY**
CIP Code: 43.0201

Program Educational Objectives

Within 3-5 years of graduation, graduates of the Fire Protection and Safety Engineering Technology Program will be able to:

1. Practice fire protection engineering regionally, nationally, and internationally in a broad range of modern professional settings.
2. Actively participate in the development of engineering decisions on societal, environmental, economical, and safety issues at the local or global levels.
3. Understand the need for lifelong learning and continued professional development.
4. Maintain continual professional competency and practice ethically.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (JSO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Fire, Protection, and Safety Engineering Technology majors will fulfill ACCT with FSE 481.
 (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

The Department of Safety, Security, and Emergency Management requires that each graduate of Fire, Protection, and Safety Engineering Technology (B.S.) must complete a minimum of 32 credit hours in the College of Justice and Safety at Eastern Kentucky University and must complete a minimum of 18 upper division credits from the Safety, Security and Emergency Management Department.

Core Courses.....48 hours
 FSE 101, 120, 200, 221, 224, 300W, 305, 322, 349(3), 350, 355, 360, 445, 480, 481, OSH 261.

Supporting Courses.....41 hours
 CHE (^gElement 4) 101/101L, 102/102L; CON 303, 322; MAT 234(4)(^gElement 2), 244(4); PHY 201(5), 202(5), 375; TEC 190.

^g = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.)
 HOMELAND SECURITY**
CIP Code: 43.0301

PRE-HOMELAND SECURITY

ADMISSION REQUIREMENTS

Students who have been admitted to the University and declare a major in Homeland Security are enrolled in the Pre-Homeland Security Program. Enrollment in the Pre-Homeland Security Program does not guarantee admission to the B.S. in Homeland Security. Pre-Homeland Security Program students are accepted each semester.

Students enrolled in the Pre-Homeland Security Program and desiring admission to the B.S. in Homeland Security major, must have completed a minimum of 45 total credits and have a 2.5 minimum EKU GPA, including completion of HLS 101, 210, 260, and 301 with a grade of C or better. B.S. in Homeland Security students are accepted each semester. Students seeking admission to the B.S. in Homeland Security must meet with their assigned advisor to ensure qualifications have been met. The advisor will submit the names of eligible students to the HLS Program Coordinator for submission to the Registrar.

Students admitted to the B.S. in Homeland Security must maintain a 2.5 minimum EKU GPA. Students falling below the minimum GPA will be placed in academic probation for one semester. If after one semester in academic probation the student does not regain the 2.5 minimum EKU GPA, they will be withdrawn from the major. Students withdrawn from the major due to an EKU GPA lower than 2.5 are not eligible for readmission to the B.S. in Homeland Security.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar1 hour
 (JSO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Homeland Security majors will fulfill ACCT with HLS 495.
 (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements ..37 hours

MAJOR REQUIREMENTS

Core Courses39 hours
 HLS 101, 210, 260, 301, 320, 321W, 341, 391, 395, 401, 441, 461, 495.

Supporting Courses12-14 hours
 EES 250 (^gElement 1C), STA 215 (^gElement 2), ^gElement 4:

BIO 100, 101, CHE 101/101L(4), PHY 101, or 131(5); GEO 210 (^GElement 4), HIS 203 (^GElement 5A) or MSL 303 (^GElement 5A); POL 100 (^GElement 5B) or 101 (^GElement 5B); PSY 200 (^GElement 5B) or 200W (^GElement 5B); Select two consecutive courses in the same language (^GElement 6) FSE 310, GEO 353, and HLS 430, PLS 375 or POL 415.

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of 3 cr. hrs. will count toward Element 1C. A maximum of 3 cr. hrs. will count toward Element 2. A maximum of 6 cr. hrs. will count toward Element 4. A maximum of 3 cr. hrs. will count toward Element 5A. A maximum of 3 cr. hrs. will count toward Element 5B. A maximum of 6 cr. hrs. will count toward element 6.

Free Electives.....30-32 hours
TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF SCIENCE (B.S.)
 OCCUPATIONAL SAFETY
 CIP Code: 15.0703**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar.....1 hour (JSO 100; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Occupational Safety majors will fulfill ACCT with OSH 349 or 495. (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

Core Courses51 hours
 OSH 110, 200, 225, 261, 262, 305, 349, 366, 367, 370, 379, 390, 410W, 412, 420, 450, and 495.

Supporting Course Requirements.....23 hours
 CHE 101/101L (4) (^GElement 4) or 111/111L (4) (^GElement 4), EHS 340, FSE 101, 120, 221, HLS 210, MAT 114 (^GElement 2), PHY 101 (Element 4), TRS 225, and 395.

^G = Course also satisfies a General Education element. Some supporting course hours are therefore included within the 36 hr. General Education requirement above.

Free Electives.....9 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

ASSOCIATE DEGREE

**ASSOCIATE OF SCIENCE (A.S.)
 PARAMEDICINE
 CIP Code: 51.0904**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education 15 hours

Elements: 1A, 1B, 3B, 5A or 5B, and 3 hrs free elective General Education courses.

- Student Success Seminar (JSO 100[1]; waived for transfers with 30+ hrs.)..... 1 hour

Total Hours University Graduation Requirements ... 16 hours

MAJOR REQUIREMENTS

Core Courses 33 hours
 EMC 300, 303, 305, 310, 315(1), 320, 335, 340, 342/342L, 352/352L, 360(2), and 362(4).

Supporting Courses 6 hours
 BIO 171, 301; ENG 101 and 102, or 105 with a grade of "A" or "B" (^GElement 1A & 1B); 3 hrs General Education Humanities (^GElement 3B); 3 hrs of Social Science (^GElement 4 or 5B); 3hrs additional General Education.

^G = Course also satisfies a General Education element.

Hours are included within the General Education requirement above.

Electives9 hours

TOTAL HOURS TO COMPLETE DEGREE 64 hours

MINORS

MINOR IN DISASTER MANAGEMENT

CIP Code: 43.0302

A student may minor in Disaster Management by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements..... 12 hours
 HLS 260, 461, 491, and EMC 450.

Electives 6 hours
 HLS 349, 391, 445, 455, or 465.

Total Curriculum Requirements 18 hours

MINOR IN EMERGENCY MEDICAL CARE

The Minor in Emergency Medical Care is not available to B.S. Emergency Medical Care majors. A student may minor in Emergency Medical Care by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements..... 11 hours
 EMC 104(1), 110(6), 115(2), and 200(2).

Electives 7 hours
 EMC 105(1), 205(1), 215(1), 225, or 240

Total Curriculum Requirements 18 hours

MINOR IN FIRE AND SAFETY ENGINEERING TECHNOLOGY

The courses required to complete a minor in Fire and Safety Engineering Technology include:

Requirements..... 18 hours
 FSE 120; FSE 225 or OSH 262; 12 hours of FSE or OSH electives. Nine hours must be upper division.

Total Curriculum Requirements 18 hours

MINOR IN FIRE, ARSON, AND EXPLOSION INVESTIGATION

A student may minor in Fire, Arson, and Explosion

JUSTICE AND SAFETY

Investigation by completing, with a grade of “C” or better, a total of 21 semester hours as follows:

Requirements..... 21 hours
 FSE 120, 250, 350, 370, 380, 450, and 495.

Total Curriculum Requirements 21 hours

MINOR IN FIRE PROTECTION ADMINISTRATION

A student may minor in Fire Protection Administration by completing, with a grade of “C” or better, a total of 21 semester hours as follows:

Requirements..... 21 hours
 FSE 120, 201, 223, 225, 365, 375, and 400.

Total Curriculum Requirements 21 hours

MINOR IN HOMELAND SECURITY

CIP Code: 43.0301

Not available to B.S. in Homeland Security majors or Homeland Security certificate-seeking students.

A student may minor in Homeland Security by completing, with a grade of “C” or better, a total of 18 semester hours as follows:

Requirements..... 18 hours
 HLS 101, 210, 260 or 461, and 301; FSE 310, HLS 391 or 401; HLS 430, PLS 375 or POL 415.

Total Curriculum Requirements 18 hours

MINOR IN INDUSTRIAL FIRE PROTECTION

A student may minor in Industrial Fire Protection by completing, with a grade of “C” or better, a total of 21 semester hours as follows:

Requirements..... 21 hours
 FSE 101, 120, 221, 224, 322, 360, and 480

Total Curriculum Requirements 21 hours

MINOR IN OCCUPATIONAL SAFETY

A student may minor in Occupational Safety by completing, with a grade of “C” or better, a total of 18 semester hours as follows:

Requirements..... 18 hours
 OSH 261, 262, 305, 366, 390, and 410.

Total Curriculum Requirements 18 hours

MINOR IN SECURITY OPERATIONS

CIP Code: 43.0112

Students seeking the Security Management Certificate may not minor in Security Operations.

A student may minor in Security Operations by completing, with a grade of “C” or better, a total of 18 semester hours as follows:

Requirements..... 12 hours
 HLS 210, 310, 320, and 350.

Electives 6 hours
 HLS 341 or 391; HLS 301, 349, 402, 445, or 455.

Total Curriculum Requirements 18 hours

MINOR IN SOCIAL INTELLIGENCE AND LEADERSHIP

Required courses: (a minimum grade of “C” is mandatory in each of the following):

Requirements..... 18 hours
 CRE 101, EES 250, 300, 310, 450, and 460

Total Curriculum Requirements 18 hours

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.

CONCENTRATION

HOMELAND SECURITY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Homeland Security Concentration requirements listed in the Associate of Arts in General Studies degree section.

CERTIFICATES

BASIC EMERGENCY MEDICAL TECHNICIAN*

Meets the Kentucky Cabinet for Human Resources certification requirement: EMC 110. Co-requisite: EMC 104.
Total Curriculum Requirements 7 hours

*Certificate awarded by the Department of Safety, Security, & Emergency Management and not Eastern Kentucky University.

CERTIFICATE IN DISASTER MANAGEMENT

CIP Code: 43.0302

Not available to B.S. in Homeland Security majors or minors.

Students may obtain a Certificate in Disaster Management by completing, with a grade of “C” or better, a total of 24 semester hours as follows:

Requirements.....15 hours
 HLS 201, 451, 461, 491 and EMC 450.

Electives 9 hours
 FSE 425, GEO 315, 325, 353, 453, 456, HLS 349, 391, 445, 455, 465.

Total Curriculum Requirements 24 hours

CERTIFICATE IN HOMELAND SECURITY

CIP Code: 43.0301

Not available to B.S. in Homeland Security majors or minors

Students may obtain a Certificate in Homeland Security by completing, with a grade of “C” or better, a total of 24 semester

hours as follows:

- Requirements..... 15 hours**
HLS 101, 210, 260 or 461, 301, and select one course from:
HLS 430, PLS 375 or POL 415
- Electives 9 hours**
FSE 310, HLS 341, 349, 391, 401, 441, 445, or 455.
- Total Curriculum Requirements 24 hours**

CERTIFICATE IN INDUSTRIAL FIRE PROTECTION

CIP Code: 43.0201

This certificate prepares student for careers in Industrial Fire Protection. The certificate requires a grade of “C” or better in 24 hours of required courses and 6 hours of specialized practicum. The courses required to complete the Industrial Fire Protection Certificate include:

- FSE 101, 120, 221, 300W, 305, 320, 360, OSH 261, FSE 480, and FSE 499(6).

Total Curriculum Requirements30-32 hours

CERTIFICATE IN INTELLIGENCE STUDIES

CIP Code: 29.0201

This certificate is collaboratively offered by the Bluegrass State Intelligence Community Center of Academic Excellence with consortium members Eastern Kentucky University, Kentucky State University and Morehead State University. Students enroll in the certificate at their home university but may complete courses at any consortium member. Students must complete a minimum of 6 hours at their home university.

The certificate requires a grade of “C” or better in 12 hours of required intelligence courses and 12 hours within a single Concentration.

Requirements.....12 hours
HLS 400, 401, 402, and 403

Concentrations12 hours

Concentration Prerequisite: Certificate advisor must pre-approve courses selected for all concentrations.

A Coop or Internship in an intelligence-related position may be credited to meet requirements of any concentration (3 hours maximum).

Intelligence Collection and Analysis Concentration:

Select 12 upper-division hours (300 or 400 level) in courses related to intelligence collection and analysis including, but not limited to, forensic accounting and computing, geographic information systems, logic, mathematics, risk analysis or statistical analysis.

Threat Specialist Concentration:

Select 12 upper-division hours (300 or 400 level) in courses related to threats to public and national security including, but not limited to, criminal justice, homeland security, international relations, international security, national security or terrorism/counterterrorism.

Regional Analysis Concentration:

Select 12 upper-division hours (300 or 400 level) in the culture, economics, environment, geography, history, military, politics, religions or security of a specific country or region (foreign or U.S). No more than two courses may have the same prefix. Students selecting this concentration must also have a minimum of two lower-division or upper-division courses in a language associated with the selected specific country or region.

Security Operations Concentration:

Select 12 upper-division hours (300 or 400 level) in courses related to cyber security, government/industrial security, personnel security, physical security, risk analysis, security management or workplace investigations.

Science & Technology Concentration:

Select 12 upper-division hours (300 or 400 level) in a scientific or technology discipline, including, but not limited to, astronomy, biology, biotechnology, chemistry, earth science, forensic science, health science, information systems, life science, mathematics, microbiology, pharmacology, physics, space science, toxicology; or in an engineering discipline, including, but not limited to, aerospace, civil, computer, electrical, electronic, mechanical, material, nuclear or systems engineering.

Total Curriculum Requirements24 hours

CERTIFICATE IN SECURITY MANAGEMENT

CIP Code: 43.0112

The certificate requires a grade of “C” or better in 12 hours of required courses and 12 hours of elective courses.

Requirements..... 12 hours
HLS 210, 310, 320, 350

Electives 12 hours
CIS 320, 325, INF 307, GBU 101, 201, 204, HLS 301, 341, 349, 391, 402, or INS 378.

Total Curriculum Requirements 24 hours

CERTIFICATE IN SOCIAL INTELLIGENCE & LEADERSHIP

CIP Code: 35.0101

Completing the certificate requires a minimum grade of “C” in the following required courses:

Requirements..... 18 hours
CRE 101W, EES 250, EES 300, EES 310, EES 450 and EES 460.

Total Curriculum Requirements 18 hours

ENDORSEMENT

DRIVER EDUCATION ENDORSEMENT

The requirements for a driver education endorsement for any teaching major are: TRS 285, 386, 487, and 588.



SCHOOL OF JUSTICE STUDIES

CORRECTIONS AND JUVENILE JUSTICE STUDIES B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
JSO 100.....	1	COR 311.....	3	Gen. Ed. E-4 (BIO 100)	3	CRJ 400	3
Gen. Ed. E-1A (ENG 101).....	3	COR Electives	3	CRJ 331	3	COR 360	3
Gen. Ed. E-2 (MAT 105		Gen. Ed. E-1 C.....	3	COR Electives	3	Gen. Ed. E-5B	3
or 106).....	3	(CMS210)		Free Electives.....	6	(PSY 200, SOC 131, or 235)	
Gen. Ed. E-3A	3	Gen. Ed. E-6.....	3	Total	15	Free Elective	6
Free Electives.....	6	Free Electives.....	3			Total	15
Total	16	Total	15				
Second Semester		Second Semester		Second Semester		Second Semester	
COR 201.....	3	CRJ 313	3	Elective.....	3	COR Electives	3
Gen. Ed. E-1B (ENG 102)	3	COR Electives	3	CRJ 388W.....	3	CRJ 490, 490W	
Gen. Ed. E-3B (REL 301		Gen. Ed. E-4.....	3	COR Electives	3	or COR 375.....	3
or PHI 130)	3	Gen. Ed. E-6.....	3	CRJ/PLS/PSY Course.....	3	CRJ/PLS/PSY Course.....	3
Gen. Ed. E-5A	3	Free Electives.....	3	Free Electives.....	3	Free Electives.....	6
Free Electives.....	3	Total	15	Total	15	Total	15
Total	15						

CRIMINAL JUSTICE. B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
JSO 100.....	1	CMS 210.....	3	Gen. Ed. E-4 (BIO 100)	3	CRJ 400	3
CRJ 101	3	CRJ/COR/PLS Elective	3	CRJ 331	3	CRJ Support	6
Gen. Ed. E-1A (ENG 101).....	3	PSY 200, SOC 131 or 235.....	3	CRJ/COR/PLS Electives	3	CRJ/COR/PLS Electives	3
Gen. Ed. E-2 (MAT 105		Gen. Ed. E-6.....	3	CRJ Support	3	Free Electives.....	3
or 106).....	3	Free Electives.....	3	Free Elective	3	Total	15
Free Electives.....	3	Total	15	Total	15		
Gen. Ed. E-3A	3						
Total	16						
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)	3	CRJ 313	3	Elective.....	3	CRJ/COR/PLS Electives	3
CRJ/COR/PLS Electives	3	CRJ/COR/PLS Elective	3	CRJ 388W.....	3	Free Elective	9
CRJ Support	3	Gen. Ed. E-4.....	3	CRJ/COR/PLS Elective	3	ACCT Electives.....	3
REL 301 or PHI 130.....	3	Gen. Ed. E-6.....	3	CRJ Support	3	Total	15
Gen. Ed. E-5A	3	Free Electives.....	6	Free Electives.....	3		
Total	15	Total	18	Total	15		

POLICE STUDIES B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
JSO 100.....	1	Gen. Ed E-1C (CMS 210)	3	Gen. Ed. E-4 (BIO 100)	3	CRJ 400	3
CRJ 101	3	Major CRJ/PLS/COR		CRJ 331	3	PLS 414	3
Gen. Ed. E-1A (ENG101).....	3	Electives	3	Major CRJ/PLS/COR		Major CRJ/PLS/COR	
Gen. Ed. E-2- (MAT 105).....	3	Gen. Ed. E-5B	3	Electives	6	Electives	3
Free Electives.....	3	(PSY 200, SOC 131, or SOC 235)		PLS Supporting Course	3	PLS Supporting Course	3
Gen. Ed. E-3A	3	Gen. Ed. E-6.....	3	Total	15	Free Electives.....	3
Total	13	Total	15			Total	15
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102)	3	PLS 326.....	3	Elective.....	3	Major CRJ/PLS/COR	
CRJ/PLS/COR Electives	3	Major CRJ/PLS/COR		CRJ 388/W	3	Electives	3
PLS 103	3	Electives.....	3	Major CRJ/PLS/COR		PLS 415	3
Gen. Ed. E-3B	3	Gen. Ed. E-4.....	3	Electives	6	Free Elective	6
Gen. Ed. E-5A	3	Gen. Ed. E-6.....	3	Free Elective	3	ACCT Course.....	3
Total	15	Free Elective	3	PLS Supporting Course	3	Total	15
		Total	15	Total	15		

SCHOOL OF SAFETY, SECURITY & EMERGENCY MANAGEMENT

EMERGENCY MEDICAL CARE B.S. ADMINISTRATIVE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BIO 171 .....3	EMC 303 .....3	EMC 310 .....2	EMC 480 .....3
EMC 104 .....1	Gen. Ed. E-5A .....3	EMC 335 .....3	EMC 420 .....3
EMC 110 .....6	CHE 101 .....3	EMC 342 .....3	EMC 430W .....3
Gen. Ed. E-1A.....3	CHE 101L.....1	Gen. Ed. E-1C.....3	PSY 308 .....3
Gen. Ed. E-2 (MAT).....3	Gen. Ed. E-3B .....3	Total .....12	Gen. Ed. E-6.....3
Total .....16	Elective.....3		Total .....15
	Total .....16		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 301 .....3	EMC 305 .....3	EMC 320 .....3	EMC 400.....3
EMC 300 .....3	Elective.....3	EMC 340 .....3	EMC 440 .....3
Elective.....3	Gen. Ed. E-3A .....3	EMC 352 .....3	EMC 489 .....3
Gen. Ed. E-1B.....3	CHE 102 .....3	EMC 360.....2	Gen. Ed. E-6.....3
PSY 200 .....3	CHE 102L.....1	EMC 389 .....1	Gen. Ed. E-4.....3
Total .....15	Elective.....3	Total .....12	Total .....15
	Total .....16		
		Summer Semester	
		EMC 362 .....4	
		Total .....4	
		*No other classes should be taken this term due to internship.	

EMERGENCY MEDICAL CARE B.S. CLINICAL FSE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
BIO 171 .....3	EMC 303 .....3	EMC 310 .....3	EMC 489 .....3
EMC 104 .....1	Gen. Ed. E-5A .....3	EMC 335 .....3	FSE 225.....3
EMC 110 .....6	CHE 101 .....3	EMC 342 .....3	FSE 200 .....3
Gen. Ed. E-1A.....3	CHE 101L.....1	Gen. Ed. E-1C.....3	PSY 308.....3
Gen. Ed. E-2 (MAT).....3	Gen. Ed. E-3B .....3	Total .....12	Gen. Ed. E-6 .....3
Total .....16	Elective.....3		Total .....15
	Total .....16		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 301 .....3	EMC 305 .....3	EMC 320 .....3	EMC 400.....3
EMC 300 .....3	Elective.....3	EMC 340 .....3	FSE 320.....3
Elective.....3	Gen. Ed. E-3A .....3	EMC 352 .....3	Elective.....3
Gen. Ed. E-1B.....3	CHE 102 .....3	EMC 360.....2	Gen. Ed. E-6.....3
PSY 200 .....3	CHE 102L.....1	EMC 389 .....1	Gen. Ed. E-4.....3
Total .....15	Total .....13	Total .....12	Total .....15
		Summer Semester	
		EMC 362 .....4	
		Total .....4	
		*No other classes should be taken this term due to internship.	

JUSTICE AND SAFETY

EMERGENCY MEDICAL CARE B.S. CLINICAL SCIENCE CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
BIO 171.....3	EMC 104.....1	EMC 303.....3	Gen. Ed. E-5A.....3	EMC 310.....3	EMC 335.....3	EMC 489.....3	CHE 361/361L.....4
EMC 110.....6	Gen. Ed. E-1A.....3	CHE 111.....3	CHE 111L.....1	EMC 342.....3	EMC 342.....3	PHY 131.....3	PHY 131.....3
Gen. Ed. E-2 (MAT).....3	Gen. Ed. E-2 (MAT).....3	CHE 111L.....1	Gen. Ed. E-3B.....3	Gen. Ed. E-1C.....3	Gen. Ed. E-1C.....3	Gen. Ed. E-6.....5	Gen. Ed. E-6.....5
Total.....16	Total.....16	BIO 273.....4	BIO 273.....4	Total.....12	Total.....12	Total.....15	Total.....15
Second Semester		Second Semester		Second Semester		Second Semester	
BIO 301.....3	EMC 300.....3	EMC 305.....3	Elective.....3	EMC 320.....3	EMC 340.....3	EMC 400.....3	EMC 400.....3
Elective.....3	Gen. Ed. E-1B.....3	Gen. Ed. E-3A.....3	CHE 112.....3	EMC 352.....3	EMC 352.....3	CHE 362/362L.....4	CHE 362/362L.....4
Gen. Ed. E-1B.....3	PSY 200.....3	CHE 112L.....1	CHE 112L.....1	EMC 360.....2	EMC 360.....2	BIO 318.....4	BIO 318.....4
PSY 200.....3	Total.....15	Total.....13	Total.....13	EMC 389.....1	EMC 389.....1	Gen. Ed. E-4.....3	Gen. Ed. E-4.....3
Total.....15	Total.....15	Total.....13	Total.....13	Total.....12	Total.....12	Total.....14	Total.....14
				Summer Semester			
				EMC 362.....4			
				Total.....4			
				*No other classes should be taken this term due to internship.			

FIRE, ARSON, AND EXPLOSION INVESTIGATION B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
Gen. Ed. E-1 (ENG 101).....3	FSE 101.....3	Gen. Ed. E-4 (CHE 101/101L)4	FSE 223.....3	FOR 301.....3	FSE 350.....3	FSE 305.....3	FSE 305.....3
FSE 120.....3	Gen. Ed. E-3B.....3	Free Elective.....3	Gen. Ed. E-1C.....3	FSE 330.....3	FSE 350.....3	Free Elective.....3	Free Elective.....3
Gen. Ed. E-3B.....3	JSO 100.....1	Gen. Ed. E-1C.....3	FSE 260.....3	FSE 350.....3	FSE 370.....3	FSE 450.....3	FSE 450.....3
JSO 100.....1	Total.....13	FSE 260.....3	Total.....16	Gen. Ed. E-4A.....3	Gen. Ed. E-4A.....3	Free Elective.....3	Free Elective.....3
Total.....13	Total.....13	Total.....16	Total.....16	Total.....18	Total.....18	Total.....12	Total.....12
Second Semester		Second Semester		Second Semester		Second Semester	
FSE 201.....3	FSE 221.....3	CHE 102/102L.....4	FSE 250.....3	FSE 200.....3	FSE 349.....3	FSE 495.....3	FSE 495.....3
FSE 221.....3	Gen. Ed. E-2 (MAT 114).....3	FSE 280.....3	Gen. Ed. E-5A.....3	FSE 349.....3	FSE 355.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3
Gen. Ed. E-2 (MAT 114).....3	Gen. Ed. E-1 (ENG 102).....3	Gen. Ed. E-5A.....3	Free Elective.....3	FSE 380.....3	FSE 380.....3	Elective.....3	Elective.....3
Gen. Ed. E-1 (ENG 102).....3	Gen. Ed. E-5B.....3	Free Elective.....3	Total.....16	Gen. Ed. E-3A.....3	Gen. Ed. E-3A.....3	Free Elective.....1	Free Elective.....1
Gen. Ed. E-5B.....3	Total.....15	Total.....16	Total.....16	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	FSE 499.....2	FSE 499.....2
Total.....15	Total.....15	Total.....16	Total.....16	Total.....18	Total.....18	FSE 496.....3	FSE 496.....3
Total.....15	Total.....15	Total.....16	Total.....16	Total.....18	Total.....18	Total.....12	Total.....12

FIRE PROTECTION ADMINISTRATION B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
Free Elective.....3	FSE 101.....3	FSE 200.....3	FSE 223.....3	FSE 230.....3	FSE 355.....3	Free Elective (UD).....3	Free Elective (UD).....3
FSE 101.....3	FSE 120.....3	FSE 223.....3	FSE 350.....3	FSE 355.....3	FSE 375.....3	FSE 322.....3	FSE 322.....3
FSE 120.....3	Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-1C.....3	Gen. Ed. E-4 (CHE 101/101L)4	FSE 375.....3	Gen. Ed. E-3A.....3	FSE 365.....3	FSE 365.....3
Gen. Ed. E-1A (ENG 101).....3	JSO/FSE 100.....1	Gen. Ed. E-1C.....3	Gen. Ed. E-4 (CHE 101/101L)4	Gen. Ed. E-3A.....3	Gen. Ed. E-5A.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3
JSO/FSE 100.....1	Total.....13	Gen. Ed. E-4 (CHE 101/101L)4	Total.....16	Gen. Ed. E-5A.....3	Gen. Ed. E-5A.....3	OHS 390.....3	OHS 390.....3
Total.....13	Total.....13	Total.....16	Total.....16	Total.....15	Total.....15	Total.....15	Total.....15
Second Semester		Second Semester		Second Semester		Second Semester	
FSE 201.....3	FSE 221.....3	CHE 102.....3	CHE 102L.....1	FSE 320.....3	FSE 349.....3	Gen. Ed. E-4 (BIO 100).....3	Gen. Ed. E-4 (BIO 100).....3
FSE 221.....3	Gen. Ed. E-1B (ENG 102).....3	CHE 102L.....1	FSE 300W.....3	FSE 349.....3	FSE 360.....3	OSH 261.....3	OSH 261.....3
Gen. Ed. E-1B (ENG 102).....3	Gen. Ed. E-2 (MAT 114).....3	FSE 300W.....3	FSE 305.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	FSE 400.....3	FSE 400.....3
Gen. Ed. E-2 (MAT 114).....3	Elective.....3	FSE 305.....3	FSE 225.....3	Gen. Ed. E-6.....3	TR 235.....3	FSE 425.....3	FSE 425.....3
Elective.....3	Total.....15	FSE 225.....3	Gen. Ed. E-5B (PSY 200).....3	Total.....15	Total.....15	Gen. Ed. E-3B.....3	Gen. Ed. E-3B.....3
Total.....15	Total.....15	Gen. Ed. E-5B (PSY 200).....3	Total.....16	Total.....15	Total.....15	Total.....15	Total.....15
Total.....15	Total.....15	Total.....16	Total.....16	Total.....15	Total.....15	Total.....15	Total.....15

FIRE PROTECTION AND SAFETY ENGINEERING TECHNOLOGY B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
FSE 101 .....3	FSE 305.....3	CON 303 .....3	FSE 350.....3
FSE 120 .....3	Gen. Ed. E-1C.....3	FSE 300W.....3	FSE 445.....3
Gen. Ed. E-1A (ENG 101).....3	MAT 224 .....4	FSE 355 .....3	Gen. Ed. E-6.....3
Gen. Ed. E-3A .....3	PHY 201 .....5	PHY 375 .....3	OSH 410.....3
Gen. Ed. E-4 (CHE 111/111L) .4	TEC190 .....3	Total .....12	Total .....12
JSO/FSE 100 .....1	Total .....18		
Total .....17			
Second Semester	Second Semester	Second Semester	Second Semester
CHE 112 and 112L .....4	FSE 200 .....3	CON 322 .....3	FSE 481 .....2
FSE 221 .....3	FSE 360 .....3	FSE 322 .....3	Gen. Ed. E-4 (BIO 100) .....3
Gen. Ed. E-1B (ENG 102) ....3	Gen. Ed. E-5B .....3	FSE 480 .....3	Gen. Ed. E-3B .....3
Gen. Ed. E-2 (MAT 124) .....4	OSH 261 .....3	Gen. Ed. E-5A .....3	Gen. Ed. E-6.....3
FSE 224 .....3	PHY 202.....5	Elective.....3	Free Elective .....1
Total .....17	Total .....17	Total .....15	Total .....12

HOMELAND SECURITY B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
JSO 100 .....1	BIO 100, CHE 101/101L, PHY 101 or PHY 131 .....3-5	HLS 321W .....3	HLS 441.....3
ENG 101 .....3	PHI 110 or FCC 200 level..3	HLS 341.....3	Free Elective .....3
SPA 101 .....3	HLS 260 .....3	HLS 320 .....3	Free Elective .....3
POL 100 or 101 .....3	HLS 301 .....3	GEO 353.....3	Free Elective .....3
HLS 101 .....3	Free Elective .....3	HLS 430, PLS 375, or POL 415.....3	Free Elective .....3
HIS 103.....3	Total .....15-17	Total .....15	Total .....15
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 .....3	EES 250 .....3	HLS 391.....3	HLS 495 .....3
MUH 171 or ART 200 .....3	GEO 210 .....3	FSE 310 .....3	Free Elective .....3
HLS 210 .....3	STA 215 .....3	HLS 401 .....3	Free Elective .....3
SPA 102 .....3	PSY 200 or 200W.....3	HLS 395 .....3	Free Elective .....3
Free Elective .....3	Free Elective .....3	HLS 461.....3	Free Elective .....3
Total .....15	Total .....15	Total .....15	Total .....15

OCCUPATIONAL SAFETY B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
FSE 101 .....3	OSH 379.....3	OSH 390 .....3	OSH 412 .....3
Gen. Ed. E-2 (MAT 114).....3	FSE/OSH 200.....3	OSH 410W .....3	OSH 450 .....3
JSO 100.....1	OSH 367.....3	FSE/OSH 225 .....3	TRS 395.....3
Gen. Ed. E-1A (ENG 101).....3	Elective.....3	FSE 221 .....3	Gen. Ed. E-5B .....3
OSH 110 .....3	Gen. Ed E-4 (PHY 101) .....3	Gen. Ed E-6.....3	Total .....12
Gen. Ed E-1C.....3	Total .....15	TRS 225.....3	
Total .....16		Total .....18	
Second Semester	Second Semester	Second Semester	Second Semester
FSE 120 .....3	OSH 262.....3	FSE/OSH 305 .....3	OSH 495.....3
OSH 261 .....3	OSH 366.....3	OSH 370.....3	OSH 349.....3
Gen. Ed. E-1B (ENG 102) ....3	HLS 210 .....3	EHS 340.....3	Free Elective .....10
Gen. Ed. E-3A .....3	Gen. Ed E-5A .....3	OSH 420 .....3	Total .....16
Gen. Ed. E-4 (CHE 101/101L)4	Gen. Ed E-6.....3	Gen. Ed 3B .....3	
Total .....16	Total .....15	Total .....15	

JUSTICE AND SAFETY

College of Letters, Arts, and Social Sciences (CLASS)

Dr. Sara Zeigler, Interim Dean

Keen Johnson 201

(859) 622-1405

Dr. Rose Perrine, Interim Associate Dean

Miller 105

www.class.eku.edu

Welcome to the College of Letters, Arts, and Social Sciences (CLASS). CLASS provides education in the arts, philosophy, literature, languages, and social sciences—fields that help us to understand ourselves and others and provide meaning and richness to our world. CLASS represents EKU’s enduring commitment to a liberal arts education as the intellectual foundation for work, life, and citizenship.

In CLASS, we offer courses and academic programs that provide students with the foundation for success in a dynamic, fast-paced, and diverse world. These foundational skills help students excel and lead in any career, cultivate the creativity and critical thinking to adapt to diverse environments, and resolve society’s most challenging problems in a culturally competent and ethical way. CLASS is focused on cultivating skills that are vital to the contemporary workplace - teamwork, critical thinking, communication, and leadership.

CLASS houses the departments of Anthropology/Sociology/Social Work; Art and Design; Communication; English and Theatre; Government and Economics; History; Languages, Cultures, and Humanities; the School of Music; Philosophy and Religion; and Psychology.

Additionally, the Office of Interdisciplinary Programs includes academic minors in African/African-American Studies, Appalachian Studies, Asian Studies, Applied Creative Thinking, Environmental Sustainability and Stewardship, Veterans’ Studies, and Women and Gender Studies. It also houses the interdisciplinary academic area of Education Abroad.

In CLASS, students can participate in EKU’s nationally-ranked mock trial program, which affords students the chance to learn about the legal process in a simulation format.

DEGREES OFFERED

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

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 Letters,

Arts, and Social Sciences. All students graduating with majors in the College of Letters, Arts, and Social 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.

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AFFILIATED ACTIVITIES AND RESOURCES

CENTER FOR PRE-LAW ADVISING

Thomas C. Parker, J.D.

Pre-Law Advisor

Teaching and Learning

Center, Keen Johnson

Building

(859) 622-7698

PRE-LAW

The Center for Pre-Law Advising assists students who are considering law school after graduation. Students interested in going to law school or exploring the possibility of doing so should contact the Center for Pre-Law Advising for an appointment as early as possible during their academic career. A Pre-Law Advisor can identify courses that will help prepare students for law school, plus provide valuable information on law schools, the Law School Admission Test (LSAT), and typical admission procedures.

There is no specific major for pre-law students. A broadly-based liberal education will best prepare one to study law, and therefore no fixed pre-law curriculum is prescribed. Law schools generally are not swayed positively or negatively by a student's choice of major; rather, they want to see that, whatever a student's major(s), that student performs well as indicated by his or her academic transcript. Thus pre-law students should choose a major that interests them and in which they are likely to be academically successful. 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. Further information for pre-law students can be found at <http://prelaw.eku.edu>.

MOCK TRIAL

Thomas C. Parker, J.D., Coordinator
Teaching and Learning Center
Keen Johnson Building
(859) 622-7698

EKU's nationally-ranked mock trial program affords students the chance to learn about the legal process in a simulation format. Students play the roles of witnesses and attorneys, competing against teams from other schools in tournaments held across the nation. Mock trial develops critical thinking and communication skills, teaches students to work as members of a team, and requires students to respond creatively to unexpected challenges during rounds of competition. Students receive two hours of academic credit (POL 466A and B) per term. Auditions for positions on the team are held each Fall.

THREE-TWO CURRICULUM

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 EKU. 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 to obtain both a baccalaureate and a professional degree.

DEPARTMENT OF ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

Chair

Dr. Paul Paolucci
(859) 622-6780
Keith 223

Faculty

S. Adams, R. Begley, P. Black, A. Callahan, K. Carmean, J. Endonino, B. Freed, R. Karolich, P. Litzelfelner, J. Maples, K. Martin, S. McSpirit, P. Paolucci, C. Reid, D. Smith, E. Underwood.

BACCALAUREATE DEGREES
ANTHROPOLOGY

Anthropology is the study of human diversity. It explores the meaning of being human – from the study of culture and social relations, to human biology and physical evolution, to language, to music and art and to vestiges of human habitation. Anthropology addresses fascinating questions such as how peoples' behavior changes over time, how and why people from distant parts of the world and dissimilar cultures are in many ways similar, how the human species has evolved over millions of years, and how individuals understand and operate successfully in distinct cultural settings. Anthropology includes four sub-fields: cultural anthropology, physical anthropology, archaeology, and linguistics. The Anthropology Program at EKU offers exposure to all of these sub-fields, with the opportunity to specialize, if so desired. Two great reasons to study anthropology include: 1) study topics are intellectually exciting; and 2) Anthropology prepares students for excellent jobs and opens doors to various career paths. Anthropological study provides training particularly well-suited to the 21st century. Anthropology approaches human questions from historical, biological, and cultural perspectives. As a result, career opportunities exist in academic, corporate, nonprofit and government settings. Many anthropologists with bachelor's degrees work for contract archaeology firms at archaeological sites, in physical anthropology laboratories, and in museums in a wide range of areas. International health organizations and development banks employ anthropologists to help design and implement a wide variety of programs. Governmental organizations use anthropologists in planning, research, and managerial capacities. Forensic anthropologists find work in university and museum settings along with police departments to help identify mysterious or unknown remains. Anthropology is a career that embraces people of all kinds. It is a discipline that thrives with heterogeneity – in people, ideas, and research methods. Anthropologists know the wisdom of listening to multiple voices and linking the work from researchers who bring different backgrounds and apply various approaches to their endeavors.

**BACHELOR OF ARTS (B.A.)
ANTHROPOLOGY**
CIP Code: 45.0201

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education** **36 hrs.**
- **Student Success Seminar** **1 hr.**
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (hours incorporated into Major Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT : Anthropology majors will select one of the following: ANT 395 (Senior Capstone), ANT 439, ANT 470, ANT 377S, SOC 330S, HON 420, or a program-approved study abroad experience. (Credit hours will be incorporated into Major or Supporting requirements below.)

Total hours University graduation requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses**33 hours**

ANT 120, 200, 201, 351W, 395 and at least one course from each of the following three categories, for a total of 18 hours.

- Archaeology: ANT 321, 341, 355, 357, 360, 439, 470, 471;
- Cultural Anthropology: ANT 311, 330, 344, 375, 377 or 377S, or 393;
- Physical Anthropology: ANT 306, 308, 365, 370, 371, 380, or 385; (ANT 490, an independent study, may also be selected; it will be classified where appropriate).

Free Electives.....**50 hours**

TOTAL HOURS TO COMPLETE DEGREE**120 hours**

SOCIAL WORK

The Social Work Program prepares students for beginning generalist social work practice. The primary purpose of the Social Work profession is to enhance human well being. Social workers help meet the basic human needs of all people and empower those who are vulnerable, oppressed, or living in poverty. Social workers help identify and manage the environmental forces that create, contribute to, and address problems in living. Social workers are an integral part of most non-profit agencies and also offer their services and knowledge in private practice. The Social Work Program has been continuously accredited by the Council on Social Work Education since 1977.

ADMISSION AND PROGRESSION

Any student who is accepted by the University Admissions Office and declares his/her major as Social Work will be classified as a pre-Social Work major. Admission to pre-Social Work does not guarantee admission to the Professional Social Work Program. Admission to the program is required for progression in the major beginning with SWK 350 and 354. To be admitted students must have earned at least 32 hours of college credit, meet the minimum program GPA requirement of 2.50, complete SWK 210 and other supporting course work with a minimum grade of “C,” and successfully complete application procedures. Students choosing

to double-major must declare Social Work as the first major. For admission requirements and procedures contact the Social Work Program office, (859) 622-1645.

MISSION AND GOALS

The Eastern Kentucky University Social Work Program provides a student-centered collaborative and dynamic environment that prepares students for competent and ethical social work practice in a diverse world. This is accomplished through self-reflection, rigorous academics, knowledge based on scientific inquiry and experiential learning in a safe and nurturing environment. We strive to graduate students who understand the complexities of the relationship between people and their environments, value human rights, and believe in the dignity and worth of all human beings. Completion of ECU’s generalist Social Work degree will provide the knowledge, values and skills to become practitioners who can think critically and creatively. Our mission is to graduate ethical leaders who advocate for social and economic justice in rural, urban and global communities, with an emphasis on ECU’s identified service region. Program goals are to (1) provide a fluid curriculum, grounded in a liberal arts perspective that prepares students for competent and effective entry-level generalist professional social work practice with individuals, families, groups, organizations, and communities through mastery of the knowledge, values, and skills that inform the ten core competencies; (2) integrate into the program the values, knowledge, and skills of the social work profession and to socialize students into the profession through self-assessment and self-awareness; (3) prepare students to deliver ethical social work practice through the development of critical thinking to guide professional judgments and practice; and (4) prepare students for advocacy and service to diverse populations-at-risk and to advance economic and social justice.

**BACHELOR OF SOCIAL WORK (B.S.W.)
SOCIAL WORK**
CIP Code: 44.0701

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education** **36 hrs.**
 - **Student Success Seminar** (ASO 100; waived for transfers with 30+ hours.)..... **1 hr.**
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Social work majors will fulfill the ACCT with SWK 390 or SWK 490. (Credit hours may be incorporated into major requirements below.)

Total hours University Graduation Requirements**37 hours**

MAJOR REQUIREMENTS

Core Courses.....**51 hours**

SWK 210, 225, 310, 335, 340, 350, 354, 355, 360, 390, 410, 490 (12), and six (6) hours from the following: SWK 344, 365, 440, 455, or 457.

Supporting Course Requirements.....**6 hours**

PSY 200(°Element 5B) or 200W(°Element 5B); SOC 131, 232, and 400 or 399 (°Element 6).

° = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....26 hours

To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from: anthropology (ANT), child development (CDS), economics (ECO), health (EHS, CHS, HEA, NFA), foreign language (FLH), law enforcement (CRJ, PLS), political science (POL), psychology (PSY), recreation (REC), sociology (SOC), special education (SED), communications (CMS, COM), and Social Work (SWK).

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

SOCIOLOGY

The Sociology Program provides students with an advanced understanding of social structure and institutions, human groups, social stratification, social interaction, social deviance (crime, juvenile delinquency), and social change. Sociology faculty are skilled in teaching the theoretical foundations of sociology and methods of social research, while they teach students to think critically. The broad knowledge base of sociology, combined with basic skills in research methods and analysis, contributes to a person's flexibility in a rapidly changing economy where specialized jobs often become outdated. Students who major in sociology possess the advantage of a more general foundation upon which to adapt to changes in the labor market, because they are taught to think critically, communicate effectively, and respond constructively to the challenges and opportunities they will encounter. A major in sociology provides a gateway to many different professions. Many sociology graduates move into careers in the following areas: social services, law enforcement, human relations, law and legal services, policy analysis, teaching, and health fields. Others find employment in management and administrative careers in government agencies as well as in a wide range of private sector firms. Still others work to achieve their goals in less traditional careers such as grassroots activism or private entrepreneurship.

**BACHELOR OF ARTS (B.A.)
SOCIOLOGY
CIP Code: 45.1101**

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education36 hrs.**
- **Student Success Seminar.....1 hr.**
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Sociology majors will fulfill the ACCT with SOC 470. (Credit hours may be incorporated into major requirements below.)

Total hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses30 hours
SOC 131, 232, 395, 462, and 470; and 15 hours of sociology electives, 12 of which must be upper division hours.

Free Electives.....53 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

MINORS

MINOR IN ANTHROPOLOGY

A student may minor in Anthropology by taking a minimum of 18 hours as follows: ANT 120, 200, 201, and one upper division course in each of: Archaeology, Cultural Anthropology, and Physical Anthropology. Neither ANT 351W nor ANT 395 will count toward the minor.

MINOR IN ARCHAEOLOGY

A student may minor in Archaeology by taking a minimum of 18 hours as follows: ANT 200, 351W and twelve hours of upper division archaeology electives selected from ANT 321, 341, 355, 357, 360, 439, 470, 471, and 490 (if archaeological topic).

MINOR IN SOCIAL WELFARE

A student may minor in Social Welfare by completing the following courses: POL 101, SWK 210, 310, and 410; six hours from POL 341, POL 370, POL 371, SWK 455, SWK 456, SWK 457, or approved Social Work Elective, SOC 131, SOC 313, SOC 340, SOC 353, SOC 365, SOC 375, ECO 130, ECO 231, CRJ 305 or WMS 305 or related elective as approved by Social Work advisor.

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.

CONCENTRATIONS

ANTHROPOLOGY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Anthropology Concentration requirements listed in the Associate of Arts in General Studies degree section.

SOCIOLOGY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Sociology Concentration requirements listed in the Associate of Arts in General Studies degree section.

PUBLIC CHILD WELFARE CERTIFICATION PROGRAM

The Public Child Welfare certification by the Commonwealth of Kentucky requires an application and interview process,

practicum experiences in public welfare agencies, participation in required training curricula, maintenance of a 3.0 GPA in social work courses, an institutional GPA of 2.5, and post graduation work commitment. In addition to the B.S.W. degree requirements, students must complete SWK 358 and 450.

See the PCWCP Coordinator in the Social Work Program for more complete information on the application and requirements for the Public Child Welfare Certification Program.

DEPARTMENT OF ART AND DESIGN

Chair
Ida Kumoji-Ankrah
 (859) 622-1629
 Campbell 309

Faculty

D. Afsah-Mohallatee, D. Bogus, H. Goodman, E. Hale, I. Kumoji-Ankrah, S. McCarthy, I. Powell, E. Randall, A. Strasik, G. Sweely, I. Szekely, F. Szorad, M. Tortorici, T. Townsend, and M. Vandenberg

BACCALAUREATE DEGREES

BACHELOR OF ARTS (B.A)
ART
CIP Code: 50.0701

Upon completion of an Art degree with a Teacher Education or Liberal Arts Concentration, students will have gained a broad knowledge of a variety of media and techniques, will be able to apply elements and principles of art and design, be more aware of the influence of perception and observation, and be able to use a variety of media and techniques to communicate ideas effectively and expressively. Students will demonstrate critical and creative thinking through analysis and research, both verbal or written, of their own or others' art and design works, demonstrating historical and contemporary concepts, theories, methods and styles.

*Teacher Education Majors in Art must meet all requirements for Admission to the Teacher Education Program as well as the prerequisites for Admission to Student Teaching. These are outlined in the College of Education section under Admission Requirements and Field Placement. <http://Tes.eku.edu>

UNIVERSITY GRADUATION REQUIREMENTS

- **General Education36 hours**
- **Student Success Seminar1 hour**
 (waived for transfers with 30+ hours.)
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Art majors will fulfill ACCT with ART 562. (Credit hours are included in Core Courses below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses.....42 hours

Foundation Courses 15 hours

ART 100, 101, 152, 153, and 164.

Art Core Courses21 hours

ART 210, 220, 230, 240, 270, 280, and 562.

Art History Core Courses.....6 hours

ARH 390 or 390W; ARH 391 or 391W.

ARH Electives.....3 hours

3 hours of an art history elective selected from: ARH 463, 464, 465, 467, 492, 494, 496, 497, or 498.

Concentrations: (select one)

1. Teacher Education.....41 hours

Art Education Requirements6 hours

AED 360, 561.

Professional Education Requirements35 hours

AED 361 or EME 361; AED 540 or ESE 540;

EDC 300, EDF 203, 204(2), 219, 413(2); EMS

300W(1), 490(1), and 474, SED 104

(^G Element 6), and 11 credit hours of Clinical

Experiences: CED 100(0.0), 200(0.0), 300(0.5),

400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element.

Hours are included within the 36 hours in General Education.

2. Liberal Arts.....21 hours

Additional 21 hours of art, design, art education, or art history electives limited to the following: AED

360, 361, ART 300, 301, 312, 313 or 314, 321, 322

or 323, 331, 332, 335, 341, 343, 371, 372, 381, 382,

401, 463, ARH 463, 464, 465, 467, 492, 494, 496,

497, 498, 560, DES 250, 350, 351.

Free Electives (Liberal Arts Concentration only)17 hours

TOTAL HOURS TO COMPLETE DEGREE120-123 hours

FINE ARTS

Upon completion of a Baccalaureate of Fine Arts (B.F.A.) degree with a Concentration in Ceramics, Graphic Design, Jewelry and Metals, Painting, Photography, Printmaking or Sculpture, students will be able to apply elements and principles of art and design, be more aware of the influence of perception and observation, and be able to use a variety of media and techniques to communicate ideas effectively and expressively. Students will demonstrate critical and creative thinking through analysis and research, both verbal and written, of their own or others' art and design works, with an understanding of historical and contemporary concepts, theories, methods, periods and styles.

The B.F.A. degree prepares students for professional careers as artists and designers of listed Concentrations below. Students will demonstrate professional practice, writing, portfolio development and presentation for employment in art and design studios, companies, or freelancing, and for applications to graduate schools, exhibitions, competitions, grants, and fellowships.

BFA Admission Requirements

All students who are accepted by the Office of Admissions and seek a baccalaureate fine arts degree are admitted to the University as a pre-BFA major and must select from at least one pre-BFA concentration area in Ceramics, Graphic Design, Jewelry

and Metals, Painting, Photography, Printmaking or Sculpture.

Pre-BFA students are eligible to apply to the BFA degree program after completing 15 credit hours of Studio Foundation courses.

When applying for the BFA program, pre-BFA students must have completed or be enrolled in the courses specified for their declared Pre-BFA concentration.

Students are also required to submit an application, statement of goals, and portfolio for review by the BFA Entrance Review Committee once the minimum requirements have been met, usually by the fourth or fifth semester, depending on the Concentration area (transfer students must meet equivalent minimum requirements and complete a minimum of 24 hours in Art and/or Design). Students will be notified of the results and can meet with their area supervisor. Students not accepted to the BFA degree program may re-apply at a later date or seek another degree program. Portfolio requirements include examples of drawing, 2D and 3D works (from a variety of courses), as well as examples specific to a concentration area. Students wishing to pursue the BFA degree should average and maintain a 2.5 GPA and earn a grade of “C” or higher in all major and supporting course requirements in order to apply to, and complete the BFA degree program. Consult with a departmental advisor, area supervisor, or visit our website at www.art.eku.edu to obtain a copy of the “Entrance Criteria and Degree Requirements for the BFA in Art and Design.”

Progression Requirements

Once students are admitted to the BFA degree program, they are eligible to take upper division courses that require “admission to the BFA” as listed in the course descriptions of this Catalog and are expected to participate in all major and supporting course requirements, including a BFA exhibition and review. Any BFA student whose major GPA falls below 2.5, or who earns a grade lower than “C” in a major or supporting course requirement, will be placed on BFA probation. Once on BFA probation, students have one semester to either raise the major GPA to the required 2.5, or retake the course in which he/she earned a low grade and pass with a “C” or higher. If any student on BFA probation fails to meet either of the above conditions, he/she will be removed from the BFA program. Such students may reapply at a later date or seek another degree program.

PRE-BACHELOR OF FINE ARTS (PRE-B.F.A.)
CIP Code: 50.0702

PRE-BFA students should pursue courses to meet the following University Graduation Requirements while awaiting admission into the BFA program.

- General Education..... 36 hours
- Student Success Seminar 1 hour (ASO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

Total Hours University Graduation Requirements37 hours

PRE-BFA CURRICULUM

Foundation Courses..... 15 hours
ART 100, 101, 152, 153, and 164.

Concentrations: (students must select at least one concentration and complete the following courses before being considered for admission into the BFA program.)

Pre-BFA Ceramics..... 15 hours
ART 210, 230, or 280; ART 220 or 240; ART 270 and 371; and be enrolled in ART 372 at the time of application to the BFA program.

Pre-BFA Graphic Design 15 hours
ART 210, 230, or 280; ART 220, 240, or 270; DES 250; and be enrolled in DES 350 and 351 at the time of application to the BFA program.

Pre-BFA Jewelry and Metals 15 hours
ART 210, 230, or 280; ART 220 or 270; ART 240 and 341; and be enrolled in ART 343 at the time of application to the BFA program

Pre-BFA Painting 15 hours
ART 230 or 280; ART 220, 240, or 270; ART 210 and 312; and be enrolled in ART 313 at the time of application to the BFA program.

Pre-BFA Photography..... 15 hours
ART 210 or 230; ART 220, 240, or 270; ART 280 and 381; and be enrolled in ART 382 at the time of application to the BFA program.

Pre-BFA Printmaking 15 hours
ART 210 or 280; ART 220, 240, or 270; ART 230 and 331; and be enrolled in ART 332 at the time of application to the BFA program.

Pre-BFA Sculpture 15 hours
ART 210, 230, or 280; ART 240 or 270; ART 220 and 321; and be enrolled in ART 322 or 323 at the time of application to the BFA program.

BACHELOR OF FINE ARTS (B.F.A.)
ART/DESIGN STUDIO
CIP Code: 50.0702

BFA Degree Requirements

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (waived for transfers with 30+ hours.) 1 hour
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives categories)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – BFA majors will fulfill ACCT with ART 562. (Credit hours are listed in Core Courses below.)

Total hours University Graduation Requirements 37 hours

MAJOR REQUIREMENTS

Core Courses43 hours
Foundation Courses.....15 hours
ART 100, 101, 152, 153, and 164.

LETTERS, ARTS &
SOCIAL SCIENCES

Art Courses.....22 hours
 ART 210, 220, 230, 240, 270, 280, 499(1), and 562.
Art History Courses.....6 hours
 ARH 390 or 390W; ARH 391 or 391W.

ARH Electives.....**3 hours**
 3 hours of ARH electives selected from: ARH 463, 464, 465, 467, 492, 494, 496, 497, or 498.

Concentrations:

Ceramics 33 hours
 ART 371, 372, 472, 473, 474, and 18 hours ART/ DES/ ARH electives.

Graphic Design..... 33 hours
 DES 250, 350, 351, 352, 353, 354, 450, 451, 453, 454, and 3 hours ART/DES/ARH electives.

Jewelry and Metals 33 hours
 ART 341, 343, 344, 443, 444, and 18 hours ART/DES/ ARH electives.

Painting 33 hours
 ART 312, 313, 314, 413, 414, and 18 hours ART/DES/ ARH electives.

Photography 33 hours
 ART 381, 382, 383, 483, 484, and 18 hours ART/DES/ ARH electives.

Printmaking..... 33 hours
 ART 331, 332, 333, 433, 434, and 18 hours ART/DES/ ARH electives.

Sculpture 33 hours
 ART 321, 322, 323, 423, 424, and 18 hours ART/DES/ ARH electives.

Free Electives..... 4 hours

TOTAL HOURS TO COMPLETE DEGREE **120 hours**

MINORS

MINOR IN ART (ART HISTORY)

A student may minor in art history by completing a minimum of 18 hours as follows: ARH 390 or 390W, 391 or 391W, ART 562 and nine hours from ARH 463, 464, 465, 492, 494, 496, 497, 498.

MINOR IN ART (STUDIO)

A student may minor in art studio by completing a minimum of 18 hours as follows: ART 100, 152, 153; ARH 390 or 390W or 391 or 391W; and six hours of art electives.

DEPARTMENT OF COMMUNICATION

Chair

Dr. Deborah T. Givens, Chair
 (859) 622-1488
 Combs 317

Faculty

C. Cogdill, F. Dickson, A. Endsley, J. Fairchild, J. Fitch, D.

Givens, J. Gleason, K. Previs, K. Kimmel, E. Meiners, M. Randolph, K. Rudick, J. Strada, J. Taylor, A. Thieme, Y. Wang, and G. Whitehouse.

The Department of Communication offers four-year Bachelor of Arts degree programs in three areas: Broadcasting and Electronic Media, Communication Studies, and Public Relations.

DEPARTMENT GOALS

The Department of Communication’s student-centered program seeks to transform lives through excellence in instruction, advising, scholarship, and service. The department strives to produce creative and effective communicators by providing cutting-edge programs emphasizing hands on and practical learning. Empowered by this experience, students are prepared to work, lead and serve in a global society.

PROGRAM OBJECTIVES

BROADCASTING AND ELECTRONIC MEDIA

Graduates of the Broadcasting and Electronic Media program pursue careers in the media industry, as well as in cable companies, industrial and corporate video facilities, advertising agencies, and production houses. Students in the **BEM Concentration** must demonstrate excellence in their ability to produce, direct, write, perform, manage, and to create commercials, public service announcements, sports programs, promotional videos, music videos, and entertainment programs for television, the Internet or other platforms. Students in the **Film Techniques and Technology Concentration** must demonstrate excellence in writing, visualizing, shooting, editing, and cinematic storytelling. Students in the **Multimedia News Concentration** must demonstrate excellence in gathering information, writing, news production, and visual storytelling. Students will use cross-platform skills within journalistic standards and present news and commentary to a diverse audience. Our objectives are to train students for a variety of fields including traditional and emerging media, businesses and corporations, government public information, advocacy groups, and non-profit organizations. They will develop an understanding of the meaning of First Amendment freedom in the United States, and the social, political and ethical responsibilities they will have as professionals.

COMMUNICATION STUDIES

Graduates of the Communication Studies (CMS) program pursue careers in labor relations, human resources, tourism, banking, corporate relations, sales, and many other professional contexts. Communication Studies students learn how to successfully demonstrate and promote effective human communication, including relationship building and maintenance, resolving conflict, persuading and negotiating, professional speaking, communication training and development, and leadership skills. CMS students must exhibit cognitive and behavioral learning by demonstrating (a) sufficient knowledge about various human communication processes and (b) satisfactory skills related to communication competency.

PUBLIC RELATIONS

Graduates of the Public Relations program pursue careers with corporations, non-profits, educational, governmental, and public relations agencies. Managing the communication between

an organization and its publics, practitioners write newsletters, speeches, reports, ad copy, and feature stories, to name a few. They manage social media accounts, plan events, and provide appropriate counsel. Students must demonstrate excellence in research, planning, communication and evaluation of public situations using a variety of platforms to meet standards for public relations education as published by the Public Relations Society of America.

MINORS

The department also offers minors in Multimedia News, Broadcasting and Electronic Media, Communication Studies, Public Relations, and Visual Media.

MEDIA PRODUCTIONS

The student newspaper, *The Eastern Progress*, is housed in the Department of Communication. Numerous video productions and films are also produced within the department. Majors and non-majors can receive academic credit for work on some productions.

REQUIREMENTS

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.

Students may earn up to 16 credit hours toward their degree by enrolling in cooperative 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 GPA in all courses (core and supporting) required for the major or minor.

BACCALAUREATE DEGREES

**BACHELOR OF ARTS (B.A.)
BROADCASTING AND ELECTRONIC MEDIA
CIP Code: 09.0702**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Broadcast and Electronic Media majors will fulfill ACCT with BEM 491(2) and at least one hour from BEM 343(1), 349(1), or 398(1). (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

Supporting Course Requirement.....0 hours
CMS 210 (Gen. Ed. E-IC [OC].) ^G=Course also satisfies a

General Education element. Hours are included within the 36 hr. General Education requirement above.

Core Courses.....23 hours
BEM 202, 295(4), 320, 395(4), 405, 425, 349(1), and 491(2).

Concentrations:

Broadcasting and Electronic Media.....18 hours
BEM 300; three hours selected from: BEM 203, 301, 375, 353W, 330; 12 hours from BEM 203, 301, 305W, 343(1), 349(1), 353W, 375, 395(4), 396, 398(1), 400, 401, 415, 495(4), 499, BEM 330, 445, 325, PUB 375, 380.

Multimedia News.....23 hours
BEM 203, 300, 301, 305W, 401, 412, 415.

Film Techniques & Technology.....23 hours
BEM 350, 351, 352, 353W, 370 (4), 425, 495 (4).

Exit Requirement: GSD 300 CR only, no hours.

Free Electives.....37-42 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF ARTS (B.A.)
COMMUNICATION STUDIES
CIP Code: 09.0101**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Communication majors will fulfill ACCT with CMS 495. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

Core Courses.....37 hours
BEM 200 and CMS 100, 200, 205 or 205W, 210, 250, 305, 310, 325, 335, 349(1), 410, 495 and three hours from CMS 320, 380, 490, 499 or one course listed in the alternate concentration.

(CMS 100 and 210 are required for the B.A. Communication Studies degree. Therefore, as there is no other Gen. Ed. 1C course appropriate for this major, CMS 100 will be used to satisfy Element 1C.)

Concentrations:

Interpersonal Communication15 hours
CMS 353, 375, 400, 435, and 445.

Integrated Organizational Communication.....18 hours
CMS 350 and CMS 420 or 450; CCT 201 or CMS 300; PUB 375, PUB 425; and MGT 301.

Free Electives.....28-31 hours

Exit Requirement GSD 300(0)

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF ARTS (B.A.)
PUBLIC RELATIONS
CIP Code: 09.0902**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (*Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Public Relations majors will fulfill ACCT with PUB 490 or 490S. (*Credit hours are incorporated into program requirements below.*)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses48 hours
BEM 295(4), BEM 203, 305W, and 405; CMS 305 or COM 420; ECO 130 or 230 or 231; MKT 301, PUB 412 or BEM 412, PUB 320 or BEM 320, 375, 380, 410 or 410S, 470 (1) or 349(1); PUB 475; PUB 490 or 490S; PUB 491(1), and 425.

Electives6 hours
Six hours from: BEM 415, 325, COM 325 or 325S, 390, 400, 425, PUB 385 or 385S, 400, 415S, 480, 499, 520, or MGT 301.

Supporting Course Requirements3 hours
BEM 200 or 200W; one of the following, any of which will fulfill ^GElement 5B : ANT 120, POL 100S, POL 101, PSY 200, PSY 200W, SOC 131.

^G = Course also satisfies a General Education element.
Hours are included within the 36 hour General Education requirement above.

Free Electives.....26 hours
Exit Requirement: GSD 300(0)

TOTAL HOURS TO COMPLETE DEGREE120 hours

MINORS

MINOR IN BROADCASTING AND ELECTRONIC MEDIA

Requirements.....23 hours
Courses required for a minor in broadcasting and electronic media are BEM 240, 295 (4), 300, 375, 491(1); and nine hours selected from BEM 343 (1-3) 395 (4), 398 (1-3), 410, 425, or BEM 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

Requirements.....21 hours
Courses required for a minor in communication studies require all students to take CMS 200, 205 or 205W, 210, 250, 495 and choose six hours in any upper division CMS course. Courses counted toward the major may not be counted toward the minor in communication studies.

MINOR IN MULTIMEDIA NEWS

Requirements.....23 hours
Courses required for a Minor in Multimedia News are BEM 295(4), 301, 401, 491(2); 405 and eight hours from BEM 203, 300, 302(1-3), 343(1-3), 395(4), 402, 415. Courses counted toward the major may not be counted toward the minor in Multimedia News. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN PUBLIC RELATIONS

Requirements.....21 hours
Courses required for a minor in public relations are BEM 375; BEM 200 or 200W, 201; PUB 320 or BEM 320, 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

Requirements.....18 hours
Courses required for a minor in visual media are BEM 295(4), 395(4), 491(1), BEM 320 or PUB 320, BEM 325, and BEM 412. 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.

CONCENTRATIONS

**BROADCASTING AND ELECTRONIC MEDIA
CONCENTRATION IN THE ASSOCIATE OF ARTS IN
GENERAL STUDIES DEGREE**

See page 81 of this *Catalog* for the Broadcasting and Electronic Media Concentration requirements listed in the Associate of Arts in General Studies degree section.

**DEPARTMENT OF ENGLISH
AND THEATRE**

Chair
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Faculty

S. Alexander, D. Ashby, G. Bedetti, J. Boord-Dill, L. Bosley, T. Butler, R. Carpenter, K. Creech, L. Day, M. Frozena, A. Ghent, A. Gossage, D. Grayson, J. Hall, J. Hensley, A. Hisel, G. Hunter, G. Jackson, N. Jensen, M. Johnson, R. Johnson, J. Keller, J. Kohl, P. Kopacz, S. Kroeg, C. Lovin, S. Martin, K. McQueen, R. Milde, R. Mott, B. Mullen, G. Nachtwey, C. Neumann, J. Parrott, E. Presley, K. Rahimzadeh, C. Reece, C. Rich, B. Shannon, K. Siahkoohi, M. Smith, Y. Smith, B. Szubinska, S. Tsiang, C. Walz, and C. Zhang.

BACCALAUREATE DEGREES

**BACHELOR OF ARTS (B.A.)
ENGLISH
CIP Code: 23.0101**

Upon completion of an English degree, graduates will demonstrate knowledge and competency in one of three sub-disciplines, while also gaining a broad awareness of the scope of English studies. Students focusing on literature will: 1) demonstrate a clear sense of the chronological and thematic development of British and American literature, familiarity with canonical writers and works of the age, and a more specialized knowledge in various genres, periods, authors, and literary trends; 2) be prepared for post-baccalaureate professional lives; 3) demonstrate the ability to think, speak, and write more effectively as literary critics. Students focusing on creative writing will: 1) write a publishable work, critical or creative, and submit it through traditional means/e-submissions; 2) possess knowledge of appropriate writers, the history, pedagogies/theories/genres, 3) possess knowledge of and apply basic research methods in their works, creative or critical, as well as use these skills to research the literary/popular marketplace. Students focusing on technical writing will: 1) produce various types of technical documents required in the workplace that reflect knowledge of audience, purpose, clarity, and precision; 2) demonstrate competence with hardware/software expected of technical/professional writers.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours.
- Orientation Course 1 hour.
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - English majors will fulfill ACCT with: ENG 490 or 491 or 492. (Credit hours may be incorporated into Major or Supporting requirements)

Total University Graduation Requirements 37 hours

MAJOR REQUIREMENTS

- Core Courses** 21 hours
ENG 310, 311, 312, 313, 410, 474, and 490 or 491 or 492.
- English Electives** 18 hours
ENG courses, including at least 9 hours at the 400 or 500 level
- Free Electives**..... 44 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF ARTS (B.A.) AND
MASTER OF ARTS (M.A.)
ENGLISH**

**Accelerated 3+2 Dual Degree Program
CIP Code: 13.1305**

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their B.A. degree and M.A. degree within 5 calendar years because up to 9 semester hours of graduate-level coursework will apply to both the undergraduate B.A. degree and the graduate M.A. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required.

Entrance requirements for the 3 +2 adhere to the requirements for the M.A. English Program in the Graduate Catalog. Students admitted into the program will remain coded as undergraduate until fulfilling their BA requirements. Students admitted into the 3+2 program must complete the English BA degree with a minimum 3.0 GPA to be allowed to proceed on with graduate program coursework. Students must fulfill all graduation requirements listed below.

Students may apply to the Graduate School for admission to the 3+2 program in their junior or senior year. Approval of both the department and Graduate School is required (see the form at <http://gradschool.eku.edu/graduate-school-forms>).

English Program Special Admission Requirements:

Literature, Creative Writing, or Technical Writing Concentrations; completion of ENG 301 and ENG 302; and overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education 36 hours
- Orientation Course (ASO 100; waived for transfers with 30+ hours..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - English majors will fulfill ACCT with: ENG 491(Technical Writing Concentrations), 490 (Creative Writing Concentrations), or 492 (Literature Concentrations). (*Credit hours are incorporated into program requirements below.*)

Total University Graduation Requirements 37 hours

B.A. 3 + 2 ENGLISH MAJOR REQUIREMENTS

- Core Courses**..... 18 hours
ENG 301, 302, 474; 801, 808, 833
(*ENG 302 should be taken before enrolling in upper level literature courses - with exception of ENG 350, 351, 352, and 353.*)

Concentrations:

- Literature**..... 39 hours
ENG 350, 351, 352, 353, 410, 492; 3 hrs from: ENG 360, 361, 362, 363, 364, 365, 366 or 367; 3 hrs from: THE 100, 110, 135, 150, 220, 320, 390, 391, or 430; a minimum of 15 hrs upper division literature: 3 hrs British, 3 hrs American, 9 hrs at the 400 and 500 level.

Creative Writing.....30 hours
 ENG 350, 351, 352, 353, 410, 490; a minimum of 12 hours selected from: ENG 306, 406, 407, 408, 409, 420, 502, 503, 504, or one course from the Technical Writing Concentrations.

Technical Writing.....30 hours
 ENG 300 or 300S; ENG 350, 351, 352, 353, 400, 410, 420, 491; 3 hrs from ENG 306, 406, 409, 500, 502, or 510.

Supporting Course Requirements

Creative Writing Concentrations6 hours
 Select 6 hours (with no more than 3 hrs from any one group) from: CMS 320, 350; COM 201; JOU 305, 307; CIS 212 or INF 104.

Technical Writing Concentrations.....12 hours
 Select 12 hrs from: ART 152, BEM 375, CCT 302, 570; CIS 212 or INF 104; CMS 250, 300, 320, 350, COM 320(1), CSC 160, 177, 190, GCM 211, 217, 255, 316, 317, 355.

Free Electives.....23-29 hours

TOTAL HOURS TO COMPLETE DEGREE120 HOURS

M.A. ENGLISH MAJOR REQUIREMENTS

Core Courses12 hours

ENG 8013 hours

One course in rhetoric and composition3 hours

Choose from ENG 700, 800, 806, 808, 812, 827

One literature course3 hours

Choose from: ENG 730, 750, 825, 830, 833, 850, 853, 854, 870, 873, 876, 878, 880

One language studies/ESL course.....3 hours

Choose from: ENG 710, 715, 720, 825.

Rhetoric and Composition Concentration

Concentration in rhetoric and composition.....12 hours (in addition to core requirement)

Choose from ENG 700, 800, 806, 808, 812, 827

Must include ENG 808 (if not completed as part of the core)

Electives in English.....6 hours

Thesis option: ENG 898 (3 hours) + 3 hours ENG electives

Exit Requirements.....0 hours

GRD 857e, 858e

Total Requirements30 hours

Literature Concentration

Concentration in literature12 hours (in addition to core requirement)

Three hours from ENG 850, 853, 854

Three hours from ENG 870, 873, 876, 878, 880

Six hours from ENG 730, 750, 825, 830, 833, 850, 853, 854, 870, 873, 876, 878, 880

Must include ENG 833 (if not completed as part of the core)

Electives in English.....6 hours

Thesis option: ENG 898 (3 hours) + 3 hours ENG electives

Exit Requirements.....0 hours

GRD 857e, 858e

Total Requirements30 hours

Generalist Concentration

One additional literature course3 hours

Choose from ENG 730, 750, 825, 830, 833, 850, 853, 854, 870, 873, 876, 878, 880

One additional rhetoric/composition course3 hours

Choose from ENG 700, 800, 806, 808, 812, 827

Two pedagogy courses6 hours

Choose from ENG 800, 805, 860, 861, 862, 863, 864

Electives in English.....6 hours

Thesis option: ENG 898 + 3 hours ENG electives

Exit Requirements.....0 hours

GRD 857e, 858e

Total Requirements30 hours

IV. EXIT REQUIREMENTS

Comprehensive Examination — All students are required to pass a written comprehensive examination (GRD 857e). Comprehensive examinations will be scheduled approximately one month before the end of the student’s final enrollment period in graduate work for the degree. Non-thesis students will take a two part examination: 1) a breadth-of-knowledge assessment (common to all students in a given concentration) and 2) a depth-of-knowledge assessment (tailored to the individual student’s scholarly interests). Thesis students will take only the breadth-of-knowledge assessment for their concentration.

Thesis — The thesis is optional in this program. Students electing the thesis option must register for ENG 898 as one of their elective courses. A student wishing to write a thesis must prepare a prospectus and have it approved by the thesis committee before registering for thesis hours. The thesis must be prepared in conformity with the regulations approved by the Graduate Council and the Department of English and Theatre. Students seeking to complete a thesis are required to pass an oral defense of their thesis (GRD 858e). Oral examinations will be scheduled approximately one month before the end of the student’s final enrollment period in graduate work for the degree. Detailed information concerning the preparation and submission of the thesis may be obtained from the program coordinator.

**BACHELOR OF ARTS (B.A.)
 ENGLISH/TEACHING
 CIP Code: 13.1305**

Upon completion of an English/Teaching degree, graduates will: 1) demonstrate the ability to analyze and produce texts; 2) demonstrate knowledge of English content areas: literature, language, and composition; 3) demonstrate competency in composing expository essays.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Orientation Course1 hour (waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - English Teaching majors will fulfill ACCT with CED 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses24 hours
 ENG 303, 310, 311, 312, 313, 405, 410, 510, 440, and 474.

English Electives.....9 hours
 3 hours from American literature: ENG 452, 454, or 455; 3 hours from British literature: ENG 470, 472, 476, 478, 480, 482, or 485; 3 hours from Diversity (ENG 360, 361, 362, 363, 364, 366, 367).

Supporting Course Requirements:

HIS 102 or HIS 103 (^GElement 5A).

Professional Education Requirements37 hours
EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, 490, ESE 543, SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education

Free Electives..... 13 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

Candidates earning a degree that leads to teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams as a requirement for graduation. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year (<http://www.kyepsb.net/assessment/index.asp> AND www.ets.org/praxis). Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the optimal time to take required exams.

TEACHING ENGLISH AS A SECOND LANGUAGE ENDORSEMENT

ADMISSION REQUIREMENTS

Please refer to the College of Education Endorsement section of the Catalog, page 223.

MINORS

MINOR IN ENGLISH

Requirements.....18 hours
ENG 301, 310, and at least 12 additional upper level hours in literature and/or writing courses.

MINOR IN ENGLISH (TEACHING)

Requirements.....24 hours
ENG 310, 311, 312, and 313; 405, 410 and 510; and at least three additional upper level hours. Minor is available only to students having a teaching major in another field.

Supporting Course Requirements.....3 hours
EMS 474.

Total Curriculum Requirements27 hours

MINOR IN THEATRE ARTS

Requirements.....18 hours
THE 110, 135, 130/330 (3), 235, 341; 390 or 391.

MINOR IN THEATRE ARTS (TEACHING)

In order to teach Theatre, the Minor in Theatre Arts must be coupled with a B.A. in English/Teaching.

Requirements.....21 hours
THE 110, 135, 130/330 (3), 235, 341; 390 or 391; and three hours of theatre arts electives.

CONCENTRATION

ENGLISH CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the English Concentration requirements listed in the Associate of Arts in General Studies degree section.

CERTIFICATE

CERTIFICATE IN THEATRE PERFORMANCE

Requirements.....24 hours

THE 135 (^GElement 3A), THE 235, THE 110, THE 200(2) or THE 210 or THE 300, THE 150 or THE 285, THE 341 4 hours from among THE 130(1), THE 330(1), THE 348(1), THE 349(1)
2-3 hours of Theatre electives from among THE 100 (^GElement 3A), THE 130/330 (1), THE 150, THE 200 (2), THE 210, THE 220, THE 285, THE 300, THE 310, THE 311, THE 320, THE 335, 348, THE 385, THE 390 (^GElement 3A or 3B), THE 391 (^GElement 3A or 3B), THE 490 (1-3), THE 499 (1-3).

CERTIFICATE IN THEATRE DESIGN AND TECHNOLOGY

Requirements.....24 hours

THE 135 (^GElement 3A), THE 110, THE 200(2) or THE 210 or THE 220, THE 300, THE 310 or THE 311 or THE 320, THE 341, 4 hours from among THE 130(1), THE 330(1), THE 349(1)
2-3 hours of Theatre electives from among THE 100 (^GElement 3A), THE 130/330(1), THE 150, THE 200, THE 210, THE 220(2), THE 285, THE 300, THE 335, 348(1), 349(1), THE 385, THE 390(^GElement 3A or 3B), THE 391 (^GElement 3A or 3B), THE 490(1-3), THE 499 (1-3).

DEPARTMENT OF GOVERNMENT AND ECONOMICS

Chair

Prof. Lynnette Noblitt
(859) 622-5931
Beckham 100

Faculty

S. Barracca, L. Beaty, A. Cizmar, C. Cyr, J. Gershtenson, L. Goshell, C. Harter, J. Harter, R. Houston, M. Howell, K. Kalkan, J. Kim, C. Lopes, M. Mohanty, L. Noblitt, J. O'Connor, G. Pradhan, F. Ruppel, R. Swain, J. Wade, D. Wilson, and L. Wimberly.

Bachelor of Arts in Political Science

Political Science is the study of power, conflict, and war, and of the human endeavor to maintain peace, order, and cooperation, and of the principles and ethics that guide that effort. It is the study of governments, in the United States and in other countries, and of the making and carrying out of laws and policies, by Presidents and governors, legislatures, courts, and the administrative agencies and civil service they oversee, and of the media and journalists who observe them and inform us of their actions. It is the study of cities and counties, and of their efforts to maintain and develop communities, politically, socially, and economically. It is the study of public agencies and services, and the special ways they must be organized and managed. It is the study of human values and beliefs, how they are formed and expressed in the public arena, in voting and elections, in political parties, and in the activities of organized interests, both self-seeking and public-spirited. The ancient Greek philosopher, Aristotle, said that politics is “the master science” because it influences how all other knowledge is used in society.

The objective of the political science program is to develop graduates who understand political institutions and behavior, and who in the process become able writers, speakers, thinkers, and informed students of human conflict, organization, and governance. With such knowledge and skills, graduates are well prepared for a variety of careers. Professions to which such abilities are obviously relevant include public service in government and non-profit service agencies, law, education, journalism, and military command. But political science graduates have succeeded as well in careers in a variety of different areas of business, including banking, investment management, extractive and manufacturing industries, insurance, and sales. And political science is a natural minor to accompany other majors in which such knowledge and skills are important, including social work, public health and health administration, parks and recreation, business management, and all the other social sciences.

Paralegal Program

The paralegal programs offer a Bachelor of Arts degree and Post-Baccalaureate Certificate 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.

Paralegals are paraprofessionals who must work under the supervision of an attorney. The laws of Kentucky and other states prohibit paralegals from engaging in the practice of law or providing legal services directly to the public, except as permitted by law. Therefore, completion of a major, minor, or certificate in Paralegal Studies/Sciences does not entitle one to practice law,

provide legal services directly to the public, or render legal advice, except as provided by law.

Paralegal Degree Requirements

Paralegal majors, minors, and certificates 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. A minimum grade of “C” must be earned in LAS 220 before being admitted to any of the other upper division requirements.

Paralegal majors, minors, and certificates must take a minimum of ten (10) semester credits of courses from Major/Minor requirements in a traditional in-person or ITV format. No courses taken in an online or web-based format can count toward this ten (10) semester credit requirement.

Paralegal Transfer Students

Transfer students must take a minimum of 15 semester hours of paralegal (LAS) courses at EKU to earn a paralegal degree. Please see the EKU Paralegal Program website (www.paralegal.eku.edu) or contact the Paralegal Program Director for more information on the transfer policy for paralegal specialty courses.

Pre-Law Program

A broadly-based liberal education will best prepare one to study law, and therefore no fixed pre-law curriculum is prescribed. 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.

Students interested in going to law school or exploring the possibility of doing so should make an appointment with the Pre-Law Advisor in the Center for Pre-Professional Advising as early in their academic career as possible. The Pre-Law Advisor can guide the student in selecting courses that will help prepare the student for law school, plus provide valuable information on law schools, the Law School Admission Test, and typical admission procedures.

Further information for pre-law students can be found at <http://preprofessional.eku.edu>.

BACCALAUREATE DEGREES

**BACHELOR OF ARTS (B.A.)
PARALEGAL SCIENCE
CIP Code: 22.0302**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Orientation Course..... 1 hour
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/
Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
Supporting/Gen Ed/Free Electives categories)
- ACCT – Paralegal Science majors will fulfill ACCT with
LAS 399. (Credit hours may be incorporated into Major or
Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses.....40 hours
 LAS 210, 220, 300 or 300W, 325, 350, 355, 385, 399(4), 410;
 12 hours from LAS 330, 340, 360, 370, 380, or 490.

Supporting Course Requirements.....9 hours
 ACC 201; ENG 300 or 300S; POL 101^G(Element 5B); and
 three hours from POL 460, 463, or 464.
*^G = Course also satisfies a General Education element.
 Hours are included within the 36 hr. General Education
 requirement above.*

Free Electives.....34 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF ARTS (B.A.)
 POLITICAL SCIENCE
 CIP Code: 45.1001**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hrs.
- Orientation Course (waived for transfers with 30+ hrs.).....1 hr.
- Writing Intensive Course (Hrs. incorporated into Major/
 Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
 Supporting/Gen Ed/Free Electives categories)
- ACCT – Political Science majors will take POL 400W
 or an alternate program-approved undergraduate research project
 if necessary. (Credit hours may be incorporated into Major or
 Supporting requirements)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses36 hours
 POL 101, 212, 220, 250, 280, 370 or 374, 400W. No more
 than six hours of POL courses numbered 300 or above may be
 taken prior to completing POL 280.
 An additional 15 hours of POL courses, all of which must be
 numbered 300 or above, with a minimum of three hours each
 in three of the following four areas:

- American Politics: POL 331, 332, 333, 340, 341, 342,
 343, 345, 347, 360, 370, 373, 374, 376, 377, 440, 460,
 463, 464, 533, or 565.
- Comparative Politics: POL 310, 312, 314, 315, 316,
 318, 319, 346, or 412.
- International Relations: POL 321, 325, 327, 415, 451,
 or 521.
- Political Philosophy: POL 356, 357, 551, 552W, or
 553W.

Free Electives.....47 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF ARTS (B.A.) &
 MASTER OF PUBLIC ADMINISTRATION (M.P.A.)
 POLITICAL SCIENCE
 Accelerated 3 + 2 Dual Degree Program
 CIP Code: 45.1001**

Students accepted to the 3+2 Accelerated Dual Degree Program are able to complete their B.A. degree and M.P.A. degree within 5 calendar years because up to 9 semester hours of graduate-level coursework will apply to both the undergraduate B.A. degree and the graduate M.P.A. degree. Only undergraduate

students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required.

Entrance requirements for the 3 +2 adhere to the requirements for the M.P.A. Public Administration Program in the Graduate Catalog. Students admitted into the program will remain coded as undergraduate until fulfilling their BA requirements. Students admitted into the 3+2 program must complete the Political Science BA degree with a minimum 3.0 GPA to be allowed to proceed on with graduate program coursework. Students must fulfill all graduation requirements listed below.

Students may apply to the Graduate School for admission to the 3+2 program in their junior or senior year. Approval of both the department and Graduate School is required (see the form at <http://gradschool.eku.edu/graduate-school-forms>).

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hrs.
- Orientation Course (waived for transfers with 30+ hrs.).....1 hr.
- Writing Intensive Course (Hrs. incorporated into Major/
 Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
 Supporting/Gen Ed/Free Electives categories)
- ACCT – Political Science majors will select one of the
 following: POL 100S, 101S, 301, 349, 495, 496, 497, 498, 490,
 499, HON 420, a program-approved student abroad experience,
 or a program-approved undergraduate research project. (Credit
 hours may be incorporated into Major or Supporting
 requirements)

Total Hours University Graduation Requirements.....37 hours

B.A. POLITICAL SCIENCE 3+2 MAJOR REQUIREMENTS

B.A. Core Courses.....45 hours
 POL 101, 212, 220, 250, 280, 370 or 374, 400W; 12 hrs of
 POL courses numbered 300 or above. No more than
 six hours of POL courses numbered 300 or above may be
 taken prior to completing POL 280.
 Diversity Requirement: 3 hrs from POL 345, 347, 373, 376,
 446, 464, or an appropriate POL course approved by
 the Chair. No more than 6 hours of POL 349 may be applied
 toward major requirements.
 POL 765, 801, 874.

Free Electives.....38 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 HOURS

**M.P.A. PUBLIC ADMINISTRATION PROGRAM
 REQUIREMENTS**

MPA Core.....24 hours
 POL 765, 800, 801, 874, 875, 876, 877, and 879.

Electives 12 hours
 Must have approval of advisor to count for degree.

Exit Requirements
**Internship or Applied Analysis in
 Public Administration**3 hours
 POL 870 or 871.

Total Requirements.....39 hours

Community Health Administration Concentration

MPA Core.....24 hours
 POL 765, 800, 801, 874, 875,876, 877, and 879.

Community Health Core.....12 hours
 All students in this concentration will take HEA 898 and with their advisor’s prior approval select nine hours from the following: POL 846, 847, and HEA 700 or 800-level courses.

Exit Requirements

Internship or Applied Analysis in Public Administration3 hours
 POL 870 or 871.
Total Requirements39 hours

Community Development Concentration

MPA Core.....24 hours
 POL 765, 800, 801, 874, 875, 876, 877, and 879.

Community Development Core12 hours
 All students in this concentration will take POL 845 and with their advisor’s prior approval select nine hours from the following: POL 733, 835, 846, 847, LAS 735, GEO 701, and ECO 700 or 800-level courses.

Exit Requirements

Internship or Applied Analysis in Public Administration3 hours
 POL 870 or 871.
Total Requirements.....39 hours

Environmental Health Concentration

MPA Core.....24 hours
 POL 765, 800, 801, 874, 875, 876, 877, and 879.

Environmental Health Core12 hours
 All students in this concentration will take MPH 850, and with their advisor’s prior approval select nine hours from the following: POL 846, 847, and EHS 700 or 800-level courses.

Exit Requirements

Internship or Applied Analysis in Public Administration3 hours
 POL 870 or 871.
Total Requirements39 hours

For more information on the MPA program, please see the Graduate Catalog.

ASSOCIATE DEGREE

**ASSOCIATE OF APPLIED SCIENCE (A.A.S.)
 PARALEGAL STUDIES**
CIP Code: 22.0302

UNIVERSITY GRADUATION REQUIREMENTS

General Education18 hours
 Elements: 1A, 1B, 2, 3B, 5B, and an additional 3 hrs from any element (excluding POL courses).
Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.)1 hour
Total Hours University Graduation Requirements.....19 hours

MAJOR REQUIREMENTS

Core Courses37 hours
 LAS 210, 220, 300 or 300W, 325, 350, 355, 385, 399, 410 and nine hours from LAS 330, 340, 360, 370, 380, or 460.
Supporting Courses6 hours
 ACC 201; ENG 101 and 102, or 105 with a grade of “A” or

“B”^(G)Element 1A,1B); ENG 300; 3 hrs of General Education humanities (^(G)Element 3B); POL 101(^(G)Element 5B); MAT 105 or higher(^(G)Element 2); 3 hrs of additional General Education course (not POL).

^(G) = Course also satisfies a General Education element. Hours are included within the General Education requirement above.

Free Electives.....2 hours
TOTAL HOURS TO COMPLETE DEGREE64 hours

BACCALAUREATE DEGREES

**BACHELOR OF ARTS (B.A.)
 ECONOMICS**
CIP Code: 45.0601

Upon completion of a degree in Economics students will:
 1) demonstrate a solid knowledge of modern microeconomic and macroeconomic theory; 2) demonstrate the capacity to apply their knowledge of economic theory to issues of public policy and to problems faced by decision makers in the private sector; 3) demonstrate the capacity to do empirical work in economics, including problem formulation, the retrieval and documentation of data, and statistical techniques; 4) demonstrate the capacity to communicate effectively. Additionally, students will be prepared for careers in government and business. Recent graduates are employed in commercial and investment banking, insurance, sales, manufacturing, retailing, and all levels of government.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar (waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Economic majors will fulfill ACCT with ECO 420. (Credit hours may be incorporated into Major or Supporting requirements)

Total hours University graduation requirements....37 hours

MAJOR REQUIREMENTS

Students must earn no fewer than twelve upper-division hours in the major at EKU. An average 2.3 GPA is required in the courses counted towards the core and concentration courses.

Core Courses21 hours
 ECO 220 or its equivalent, 230, 231, 320, 330W, 331, 420. Majors must select an option in General Economics, Applied Economics, or International Economics.
Required Concentrations: (select one)
General Economics 12 hours
 Twelve hours of upper division economics courses.
Applied Economics..... 12 hours
 ECO 300; 9 hrs of upper division economics courses.
International Economics 12 hours
 ECO 394; 395 or 395W; 6 hrs of upper division economics courses.

Supporting Course Requirements:

Supporting course requirements must be approved by the

advisor in consultation with the Chair of the Department of Economics. Note that fewer free electives may be required for an option if any of the approved additional supporting hours are also general education courses.

General Economics Concentration..... 18 hours
MAT 211(^GElement 2), and 18 hours of courses approved by the advisor. (Note that fewer free electives will be required for this option if any of the approved additional supporting hours are also general education courses.)

Applied Economics Concentration..... 18 hours
MAT 112 (^GElement 2), 114 (^GElement 2), or 211(^GElement 2); 18 hours of courses approved by the advisor.

International Economics Concentration..... 12-18 hours
MAT 112 (^GElement 2), 114 (^GElement 2), or 211(^GElement 2); 6 hrs of courses approved by the advisor; one of the following: (1) 12 hrs of foreign language(^GElement 6), (2) 12 hrs of area studies to be pre-approved by the advisor and the Chair, or (3) 12 hrs from the core and elective courses listed in the International Studies minor.

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 32-38 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF ARTS (B.A.)
GLOBALIZATION AND INTERNATIONAL
AFFAIRS
CIP Code: 30.2001**

The intent of the Globalization and International Affairs (GLO) major is to create an interdisciplinary major that focuses on the nature of globalization and its impacts on individuals, communities, regions, and nations, and to assist in broadening the international horizons of ECU students. The program will graduate culturally aware students who are comfortable in a variety of international public-sector, private-sector, and non-profit positions. GLO students will possess an enhanced awareness of worldwide economic and political events and will be able to assess their impacts on international affairs. Upon completion of the GLO degree, graduates will be able to: (1) analyze cultural, economic, geographical, historical, political and social forces affecting globalization, (2) identify factors which impede or encourage globalization, (3) evaluate the impacts of increasing globalization on individuals, communities, regions, and nations, (4) integrate globalization ideas and concepts from the various disciplines into a unified whole, and (5) compete well for international positions or for domestic positions requiring international expertise.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Globalization and International Affairs majors will fulfill ACCT with GLO 490. (Credit hours may be incorporated into Major or Supporting requirements.)

Total hours University graduation requirements....37 hours

MAJOR REQUIREMENTS

A minimum grade of "C" is required in all courses counted toward this major.

Core Courses: 24 hours

Complete 9 hours from the following list:
ANT 120 or 200; ECO 231, GEO 100, or POL 212.
And complete 15 hours from the following list:
ECO 394, GEO 302 or 322, GLO 490, HIS 370, and POL 220

Major Electives..... 12 hours

Complete four courses from the following list, with no more than two having the same course prefix:
CMS 375, ECO 340, 395 or 395W, ENG 360, FCC 220, 222, 226, 227, FIN 330, GBU 201, HEA 310, HIS 300B, 300C, 305, 321, 322, 324, 330, 332, 336, 337, 339, 343, 345, 350, 357, 363, 365, 374, 376, 379, 380, 384, 385, 386, 413, MGT 430, MKT 400, POL 310, 312, 314, 315, 316, 318, 319, 321, 325, 327, 412, 415, REL 301, 301W, 315, 320, 335, 340, 345, 350, 355, 360, SOC 425, or various (with prior approval) "special topics" and seminar courses offered by individual departments.

Supporting Course Requirements 0-2 hours

ECO 230 (^GElement 5B); HIS 147 (^GElement 5A); MAT 110 or higher or STA 215 (^GElement 2) or higher; and up to 6 hours of one foreign language (^GElement 6) or Study Abroad. Students may split this requirement by using 3 credits of Study Abroad and 3 credits of foreign language.

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above. If zero hours are listed then all course hours will count with General Education.

Free Electives..... 45-47 hours

TOTAL HOURS TO COMPLETE DEGREE 120 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 of upper division courses in economics.

MINOR IN GLOBALIZATION AND INTERNATIONAL AFFAIRS

Core Courses.....6 hours

Complete 3 credit hours from the following courses:
ANT 120 or 200, ECO 231, GEO 100, POL 212; and complete 3 hours from the following courses: ECO 394, GEO 302 or 322, HIS 370, POL 220.

Electives.....12 hours

Complete four courses from the following list, with no more than two having the same course prefix:
Study Abroad (^GElement 6), 200-level or higher foreign language (^GElement 6), CMS 375, COM 300, ECO 340, 394, 395 or 395W, ENG 360, FCC 220, 222, 226, 227, FIN 330, GBU 201, HEA 310, HIS

147, 300B, 300C, 305, 321, 322, 324, 330, 332, 336, 337, 339, 343, 345, 350, 357, 363, 365, 374, 376, 379, 380, 384, 385, 386, 413, MGT 430, MKT 400, PHI 330, POL 310, 312, 314, 316, 318, 319, 325, 327, 415, 451, 495B, REL 301, 301W, 335, 340, 345, 350, 355, 360, SOC 425, or various (with prior approval) "special topics" and seminar courses offered by individual departments.

Total Curriculum Requirement.....18 hours

MINOR IN LEGAL STUDIES

The Legal Studies Minor is an interdisciplinary program with a liberal arts focus that provides students with the opportunity to study the law, legal ideas/concepts, and legal systems/processes from a variety of perspectives. The minor is designed to provide a broad conceptual framework to explore legal studies and complement a chosen major of study. While the minor may be appropriate for those considering attending law schools, it is not a "pre-law" program and does not provide legal or paralegal training.

Core Requirement.....3 hours
LGS 300

Electives.....12 hours
ANT 357, FOR 465W, LAS 220, LGS 305, LGS 306, LGS 490, POL 327, 347, 360, 460, 463, 464, 466, PSY 466, SOC 340, 375, 383

OR substitute 3 hours of special topics courses as approved by the Director of Legal Studies.

Students are strongly advised to enroll in LGS 300 before beginning Legal Studies elective studies. Students may not take more than six hours of electives with the same course prefix. Students may not count Legal Studies electives

towards any other major or minor.

Co-op or Research Requirement.....3 hours
LGS 349 or LGS 400

Total Curriculum Requirements.....18 hours

MINOR IN PARALEGAL STUDIES

A student may minor in Paralegal Studies by completing a total of 18 hours as follows: LAS 210, 220, 300 or 300W, 350, 355, and 410.

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.

CONCENTRATION

POLITICAL SCIENCE CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Political Science Concentration requirements listed in the Associate of Arts in General Studies degree section.

CERTIFICATE

CERTIFICATE IN PARALEGAL SCIENCE (POST-BACCALAUREATE)

Requirements.....30-31 hours**

LAS 210, 220, 300 or 300W, 350, 355, 410, plus 12 hours of LAS courses chosen from LAS 325, 330, 340, 360, 370, 380, 385, 399.*

*LAS 399 is a 4 semester hour course.

**Students with 75 hours or more may begin taking courses toward the post-baccalaureate certificate. At least 18 hours toward the certificate must be taken subsequent to receiving a bachelor's degree.

DEPARTMENT OF HISTORY

Chair

Dr. Christiane Taylor
(859) 622-1288
Keith 325

Faculty

O. Anyanwu, T. Appleton, D. Blaylock, J. Bowes, C. Dupont, T. Hartch, R. Huch, J. Jay, J. Lowry, T. Smit, J. Spock, C. Stearn, C. Taylor, R. Weise, B. Wood, and M. Yazdani.

BACCALAUREATE DEGREES

BACHELOR OF ARTS (B.A.)
HISTORY
CIP Code: 54.0101

Program Objectives

Upon successful completion of this program, graduates will be able to: 1) demonstrate knowledge of U.S. history, European history, and selected aspects of non-Western history at a high level; 2) demonstrate their ability to communicate effectively in both oral and written form (all students in the program will complete term papers as part of their major requirements); and 3) execute a major research project utilizing both primary and secondary sources. All students in the baccalaureate program will submit prior to graduation a formal research project which includes both primary and secondary sources.

Because the program puts history into real-world application, it offers 24 unique pathways to prepare students for careers in:

public history, education, media, the legal field, government, non-governmental organizations including non-profits, and business/management. And students can complete any of the career preparation pathways in just four years!

While a major in History Teaching prepares students to teach high school Social Studies or to join the educational arm of such entities as historical museums and sites, majoring in History provides students with the research skills and critical thinking and communication capabilities applicable and essential to any path they pursue post-graduation. More importantly, by combining a History major with a second major or minor in such areas as communications, political science, geography, business, or tourism and recreation, students gain profession-specific skills. They also acquire real world-experience because many of these majors require or stress completing an internship. Completion of one of History's career pathways prepares a student for pursuing such opportunities as: curatorial positions in museums and historical sites, video production, broadcasting including reporting, publishing, event planning and promotion, employment with state and federal agencies or international and non-profit organizations, and entry into graduate or professional programs such as law school.

For more information on the career preparation pathways offered by the department go to www.history.eku.edu or contact the department at the number provided above.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour (ASO 100H; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – History majors will fulfill ACCT with HIS 450W. (Credit hours incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

- Core Courses**36 hours
 HIS 100, 101, or 147; HIS 102, 103, 290, 450W, and 21 upper division hours with a minimum of six hours in each of the following distribution areas (including two of the following three courses: 302A, 302B, 302C):
- **Area I** (U.S.): HIS 300A (3 hours), 302A, 303, 304, 305, 307, 309, 312A, 401, 402, 405, 407, 411, 412, 413, 414, 416, 420, 424, or 435.
 - **Area II** (Europe): HIS 300B (3 hours), 302B, 310, 312B, 336, 337, 339, 343, 345, 346, 348, 350, 357, 363, or 365.
 - **Area III** (Non-Western): HIS 300C (3 hours), 302C, 308, 312C, 321, 322, 324, 330, 332, 370, 374, 376, 379, 380, 384, 385, or 386.

The remaining upper division history course may come from any of the above areas or from other upper division history courses except HIS 302A, B, C.

Free Electives47 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 which will also serve to fulfill Gen Ed Element 6.

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF ARTS (B.A.)
 HISTORY/TEACHING
 CIP Code: 13.1328**

Program Objectives

Upon successful completion of this program, graduates will be able to: 1) demonstrate knowledge of U.S. History, European history, and selected aspects of non-Western history at a high level; 2) demonstrate their ability to communicate effectively in both oral and written form (all students in the program will complete term papers as part of their major requirements); and 3) execute a major research project utilizing both primary and secondary sources. All students in the baccalaureate degree program will submit prior to graduation a formal research project which includes both primary and secondary sources. The History/Teaching B.A. is designed above all for those who wish to pursue careers in social studies at the secondary level or join the educational arm of such entities as historical museums and sites. Offered in cooperation with the ECU College of Education, the History/Teaching B.A. program includes secondary teaching certification in social studies. Refer to the College of Education section of this *Catalog* regarding the teacher certification requirements associated with this degree program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour (ASO 100H; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – History majors will fulfill the ACCT with HIS 450W. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 33 hours

HIS 101 or 147; HIS 102, 103, 290, 450W; 18 hrs upper division with a minimum of 6 hrs in each of the following distribution areas (including two of the following three courses: 302A, 302B, 302C):

- **Area I** (U.S.): HIS 300A (3 hours), 302A, 303, 304, 305, 307, 309, 312A, 401, 402, 405, 407, 411, 412, 413, 414, 416, 420, 424, or 435.
- **Area II** (Europe): HIS 300B (3 hours), 302B, 310, 312B, 336, 337, 339, 343, 345, 346, 348, 350, 357, 363, or 365.
- **Area III** (Non-Western): HIS 300C (3 hours), 302C, 308, 312C, 321, 322, 324, 330, 332, 370, 374, 376, 379, 380, 384, 385, or 386.

Supporting Course Requirements 12 hours

^gElement 5B: ANT 120 or SOC 131; ECO 120, 130, 230, or 231; PSY 200; GEO 100; POL 101 (^gElement 5A or 5B); POL 212 (^gElement 5A or 5B) or 220 (^gElement 5B). *Students may only count one of the courses noted as fulfilling ^gElement 5A and one course noted as fulfilling ^gElement 5B for such purposes.*

^g = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education.

Professional Education Requirements 37 hours

EDC 300, EDF 203, 204(2), 219 or 219W, 413, EMS 300W, 474, 490, ESE 549, SED 104 (^gElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5),

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400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education.

Free Electives 1 hour

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF ARTS (B.A.) &
MASTER OF ARTS (M.A.)
HISTORY**
Accelerated 3 + 2 Dual Degree Program
CIP Code: 54.0101

Program Requirements:

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their B.A. degree and M.A. degree within 5 calendar years because up to 9 semester hours of graduate-level coursework will apply to both the undergraduate B.A. degree and the graduate M.A. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required.

Entrance requirements for the 3+2 program adhere to the requirements for the M.A. History Program in the Graduate Catalog. Students admitted into the program will remain coded as undergraduate until fulfilling their B.A. requirements. Students admitted into the 3+2 program must complete the History B.A. degree with a minimum 3.0 GPA to be allowed to proceed on with graduate program coursework. Students must fulfill all graduation requirements listed below. Students may apply to the Graduate School for admission to the 3+2 program in their junior or senior year. Approval of both the department and Graduate School is required (see the form at <http://gradschool.eku.edu/graduate-school-forms>).

Special Admissions Requirements:

You must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 option
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 option.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education Requirements.....36 hours (See the requirements for the regular option)
- Student Success Seminar.....1 hour (ASO 100; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – History 3+2 majors will fulfill ACCT with HIS 802.

Total Hours University Graduation Requirements for the B.A.
.....37 hours

MAJOR REQUIREMENTS

Core Courses.....33 hours
HIS 100, 101, or 147; HIS 102, 103, 290; 18 hrs upper division with a minimum of 6 hrs in each of the following distribution areas (including two of the following three courses: 302A, 302B, 302C):

- Area I (U.S.): HIS 300A (3 hours), 302A, 303, 304, 305, 307, 309, 312A, 401, 402, 405, 407, 411, 412, 413, 414, 416, 420, 424, or 435.
- Area II (Europe): HIS 300B (3 hours), 302B, 310, 312B, 336, 337, 339, 343, 345, 346, 348, 350, 357, 363, or 365.
- Area III (Non-Western): HIS 300C (3 hours), 302C, 308, 312C, 321, 322, 324, 330, 332, 370, 374, 376, 379, 380, 384, 385, or 386.
HIS 860 may count toward the 6 hrs, in Area I for 3+2 students. HIS 800 may count toward the 18 hrs. upper division for 3+2 students.

3+2 Requirements:9 hours

- HIS 800, 802, 860

Free Electives.....41 hours

Total Curriculum Requirements for the B.A.120 hours

M.A. IN HISTORY PROGRAM REQUIREMENTS

THESIS PLAN

Foundation Course.....3 hours
HIS 800: Historiography and Criticism.

American History9 hours*
Choose from HIS 802A‡, 860, and/or, if topic is appropriate, 849, 864, or 865.

European History.....6 hours*
Choose from HIS 802B‡, 861, and/or, if topic is appropriate, 849, 864, or 865.

Asian, African or Latin American History3 hours*
Choose from HIS 802C‡, 862, 863, or, if topic is appropriate, 849, 864, or 865.

Thesis6 hours
HIS 899

History Electives3 hours
(Choose from graduate courses in U.S., European, Asian/ African, or Latin American history.)

Exit Requirements
GRD 857g, 858h.

Total Requirements30 hours

NON-THESIS PLAN

Foundation Course.....3 hours
HIS 800: Historiography and Criticism.

American History9 hours*
Choose from HIS 802A‡, 860, and/or, if topic is appropriate, 849, 864, or 865.

European History6 hours*
Choose from HIS 802B‡, 861, and/or, if topic is appropriate, 849, 864, or 865.

Asian, African or Latin American History6 hours*
Choose from HIS 802C‡, 862, 863, and/or, if topic is appropriate, 849, 864, or 865.

History Electives6 hours
Choose from graduate courses in U.S., European, Asian/ African, or Latin American history.

Exit Requirements
GRD 857g, 858h

Total Requirements.....30 hours

*The department requires that at least one of the courses used to satisfy the eighteen credit hours represented by these three requirements cover in a substantial way a period before the year 1800.

‡ The department requires successful completion of at least one of the following research seminars: HIS 802A, 802B, or 802C.

Language — Though the department no longer maintains a language requirement, it strongly recommends that students who plan to seek a doctoral degree should acquire foreign language proficiency while completing the masters degree.

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 by completing the following courses: HIS 100, HIS 101, or 147; HIS 102 and 103; 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).

CONCENTRATION

HISTORY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the History Concentration requirements listed in the Associate of Arts in General Studies degree section.

INTERDISCIPLINARY PROGRAMS

AFRICAN/AFRICAN-AMERICAN STUDIES

Dr. Ogechi Anyanwu, Director
Keith 143
(859) 622-7235

African/African-American Studies is an interdisciplinary program that explores the histories, societies, and cultures of Africans and people of African descent throughout the Diaspora. Courses are offered from a broad range of disciplines, including the arts and humanities, social sciences, law enforcement, education, and health sciences. The program awards an undergraduate minor and a certificate in African/African-American Studies.

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.

- Core Requirements.....6 hours**
AFA 201 or 201W, 202 or 202W.
- Electives12 hours**
Twelve hours from the following courses:
AFA 200, 225, 304, 305, 330, 345, 346, 347, 349,
356, 360, 361, 367, 372S, 378, 385, 386, 388, 435,
495; 510; CDF 424; SOC 400.
- Total Curriculum Requirements.....18 hours**

Certificate

**Departmental Certificate in African/
African-American Studies**

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

- Core requirements.....6 hours**
AFA 201 or 201W, 202 or 202W.
- Electives.....6 hours**
Six hours from the following courses:
AFA 200, 225, 304, 305, 330, 345, 346, 347, 349, 356, 360,
361, 367, 372S, 378, 385, 386, 388, 435, 495; 510; CDF 424;
SOC 400.
- Total Curriculum Requirements.....12 hours**

APPALACHIAN STUDIES

appalachianstudies.eku.edu
Dr. Alice Jones, Director
Keith 143
(859) 622-1424

Appalachian Studies is a multidisciplinary program that brings together courses taught by a diverse group of teachers/scholars from the social sciences and humanities, art, environmental studies, social work, and health sciences. The program awards an undergraduate minor and a certificate in Appalachian Studies.

Students are encouraged to select a group of courses tailored to their personal and academic goals in consultation with the Coordinator.

Minor in Appalachian Studies

The minor in Appalachian Studies requires a minimum of 18 credit hours as indicated below:

- Core Requirements.....3 hours**
APP 200 (also fulfills General Education, E- 5B or 6)
- Electives Requirement.....15 hours**
Fifteen hours of approved Appalachian Studies
electives
- Total Curriculum Requirement.....18 hours**

Certificate in Appalachian Studies

The certificate in Appalachian Studies requires a minimum of 12 credit hours as indicated below.

- Core Requirements.....3 hours**
APP 200 (also fulfills General Education, E-5B or 6)
- Electives Requirement.....9 hours**
Nine hours of approve Appalachian Studies electives
- Total Curriculum Requirement.....12 hours**

Approved Appalachian Studies Courses:

- | | |
|-----------------|----------------------------|
| APP 200 | Introduction to Appalachia |
| APP 340/ECO 340 | Environmental Economics |
| APP 350 | Special Topics: Appalachia |
| APP/CRJ 355 | Rural Crime & Justice |

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APP 360	Media Images of Appalachia
APP/ENG 365	Appalachian Literature
APP 366/SOC 365	Social Change in Appalachia
APP/POL 373	Politics of Development in Appalachia
APP 375	Appalachian Religion
APP/HIS 420	Appalachia in American History
APP/GEO/ENV 430	Sustainability in Appalachia
APP 460	Seminar in Appalachian Studies
APP 490	Independent Study
APP/OTS 520	Providing Health Services in Appalachia

Students may also select content relevant special topics or independent studies courses with the approval of the Coordinator of the Appalachian Studies minor.

APPLIED CREATIVE THINKING

Dr. Russell Carpenter, Director
Noel Studio 310P
859-622-7403
[Studio.eku.edu/about-minor-act](http://studio.eku.edu/about-minor-act)

The Minor in Applied Creative Thinking is offered for students in all disciplines. The minor consists of 18 hours of courses.

Requirements.....18 hours

CRE 101W and CRE 400 (CRE 400 must be taken after the completion of the other five courses), and 12 hours from a list of potential courses listed on the Noel Studio website at: <http://studio.eku.edu/minor-applied-creative-thinking> or from the following potential courses:

ART 100, ART 152, ART 153, ART 164, ART 376, BEM 305W, BEM 353W, CRE 201, CRE 300, CRE 301, CRE 305, CRE 350, CRE 490, ENG 350, ENG 351, ENG 352, ENG 353, MUH 272, PUB 415, TEC 305.

Students pursuing the minor in Applied Creative Thinking must earn a “C” or above in all courses counting toward the minor.

ASIAN STUDIES

Dr. Minh Nguyen, Director
Keith 143
(859) 622-8667
<http://asianstudies.eku.edu/>

“If you want to understand the world you need to understand Asia” (Nicholas Kristof, Pulitzer Prize-winning columnist for *The New York Times*).

The Interdisciplinary Asian Studies Program at Eastern Kentucky University provides an understanding of Asia through a critical examination of the cultures, societies, languages, histories, religions, and politics of Asians and peoples of Asian descent throughout the world. An understanding of Asia enhances not only students’ understanding of the world but also their prospects for employment in a wide variety of fields, including but not limited to international trade and industry, teaching and research, translation

and interpretation, foreign policy and diplomacy, human rights and development, and immigration and social service. The program offers a minor (18 hours) and a certificate (12 hours) in Asian Studies.

- A student may minor in Asian Studies by completing
- a minimum of 18 semester hours in the four areas listed below, and from at least three different departments
- at least 9 hours at the 300 level or above

Departments: English (ENG); Exercise & Sport Science (PHE); Languages, Cultures & Humanities (CHN/FCC/FLS/HUM/JPN); Geography & Geology (GEO); Government (POL); History (HIS); Honors (HON); Philosophy & Religion (PHI/REL); Psychology (PSY); Education Abroad (IES/UNP); Women & Gender Studies (WGS)

Language and Immersion..... 6 hours

CHN 101 and 102 (or higher levels); or JPN 101 and 102 (or higher levels); or FLS 101 and 102 (or higher levels) (Arabic, Chinese, or any other Asian language); or 6 hours of study abroad in any Asian country(ies); or 3 hours of study abroad in any Asian country plus 3 hours of a language (101 level or higher) indigenous to that country.

Religion and Culture..... 3 hours

FCC 227, HIS 324, REL 335, 340, 345 or 350

History and Society 3 hours

HIS 321, 322, 324, 374, 376, 379, POL 312, 313, 314, 318, or WGS 304

Electives 6 hours

Additional course(s) from the three areas above and/or CHN 201, 202, ENG 200*, 345*, 550*, FCC 210*, FLS 201, 202, HIS 204W*, 300C*, 302C*, HON 307W*, 308W*, 310W*, 312W*, 320W*, HUM 360*, IES 333, JPN 201, 202, 295, 495, PHE 190*, 355*, PHI 390*, PSY 497*, REL 301, 360, 370*, UNP 200*, 300*, 400*, 500* (*topic must relate crucially to Asia; check with Director of Asian Studies Program)

The Director of the Asian Studies Program may approve other courses to meet requirements for the Minor.

Total Curriculum Requirement.....18 hours

Departmental Certificate in Asian Studies

A student may earn a Certificate in Asian Studies by completing the following:

- a minimum of 12 semester hours from the list of Electives for the Minor in Asian Studies, and from at least three different departments
- at least 6 hours at the 300 level or above

The Director of the Asian Studies Program may approve other courses to meet requirements for the Certificate.

EDUCATION ABROAD

Jennifer White, Director
Keith 129
(859) 622-1705

Studying abroad IS the right choice for you. Eastern Kentucky University encourages all students to take advantage of education abroad opportunities and join the top 10% of American students who have an internationalized degree. The Education Abroad

Office has, or will find, options of a short-term winter, summer, semester or year abroad that will fit any major/minor, country of interest and budget. The Education Abroad Office manages institutional scholarship funds that can help to bring study abroad within financial reach.

Study Abroad:

Summer, Spring break, winter break, full semester, or academic year options are available through EKU’s many study abroad providers, including the Cooperative Center for Study Abroad (CCSA), the Kentucky Institute for International Studies (KIIS), the Accademia Europea di Firenze (AEF), The Knowledge Exchange Institute (KEI), AIFS Study Abroad, University Studies Abroad Consortium (USAC), SOL Education Abroad (SOL), CISabroad (CIS), as well as any number of EKU faculty-led programs that are created yearly. We can help find a winter, summer, semester, or year-long program for any student in any major.

Institutional Exchanges:

Exchanges allow for the most immersive experience abroad possible. EKU has a number of direct, institution-to-institution exchanges in a variety of countries. We are also a member of The Magellan Exchange organization (www.magellanexchange.org) through which EKU students can study at any one of 16 partner institutions around the world. Students on these exchanges have the opportunity to use their financial aid to pay regular tuition and fees at EKU but go abroad to a partner institution where they will take classes alongside local students.

Language instruction is predominately in English on most exchange programs but opportunities to begin, or to perfect, foreign language abilities is possible through taking classes offered in the local language. Students from the partner institutions in turn come to EKU for a semester or year. Partner institutions are located in Japan, China, Australia, Germany, South Korea, France, Belgium, Denmark, Costa Rica, the Netherlands, Finland, Mexico, Spain and Austria. For more information on exchange options as well as our direct exchange agreements, please contact the Director of Education Abroad for an appointment.

For More Information:

Feel free to visit the Education Abroad Office in Keith 129 to pick up brochures on all the programs offered. Students interested in education abroad, whether short term, semester or exchange, are encouraged to make an appointment with the Education Abroad Office at 622-8794 or ekuabroad@eku.edu as soon as possible to discuss all options, application procedures, course approval, and costs.

ENVIRONMENTAL SUSTAINABILITY AND STEWARDSHIP

env.eku.edu
 Dr. Alice Jones, Director
 Keith 143
 (859) 622-1424

Environmental Stewardship is an ethic that embodies responsible care and respect for the natural environment through conservation, preservation, restoration, and responsible individual

and collective behavior. **Environmental Sustainability** implies a cross-generational commitment to this responsibility, and to its economic, and political, and social dimensions. Considerations include—but are not limited to—ecological system function, climate change, energy use, natural resource and ecosystems/land use, and human health and well-being.

Minor in Environmental Sustainability and Stewardship

The minor in Environmental Sustainability and Stewardship (ENV) emphasizes:

- Scientific understanding of the natural laws that govern the functioning of the biosphere;
- Human connections to the physical and natural world;
- Environmental ethics, values and behavior and how they are expressed in individuals, communities, societies, and institutional structures
- Technological and economics to sustainability and stewardship; and
- Practical service and experience that links sustainability & stewardship theory to the real world, and to the student’s major and career plans

The minor in Environmental Sustainability and Stewardship requires a minimum of 18 credit hours, with a minimum of 3 hours from each of the following categories:

Core Requirement.....3 hours
 ENV 200 (Gen Ed Element 5B)

Content Area Requirement.....12 hours
A minimum of 3 hours from each of the following Content Areas:

Human Connections to the Physical and Natural World.....3 hours

Three hours from: GEO 110 (Gen. Ed. E-4); ENV 302 Global Environmental Problems (Cross listed as GEO 302); ENV 500: Environmental Issues (Crosslisted with BIO 500); ANT 370 Primate Conservation; EHS 425 Environmental Health Program Planning; SOC 383 Environmental Sociology;

Environmental Behaviors, Values, and Ethics.....3 hours

Three Hours from: ENV 208W Environmental Literature (Cross listed as ENG 208W, Gen Ed Area 3B); REC 290; ENV 345 Sustainable Agroecosystems (Cross listed as AGR 345); ENV 385 Environmental Ethics (Cross listed as PHI 385);

Natural Systems Function.....3 hours

Three Hours from ENV 303 Environmental Geoscience (Cross listed as GLY 303) ENV 317 Conservation of Wildlife Resources (Cross listed as WLD 317) ENV 590 Ecology for Teachers (Crosslisted as BIO 590); BIO 112 Ecology & Evolution (Gen Ed Area 4A);

Technological and Economic Applications.....3 hours

Three Hours from: ENV 319 Renewable and Sustainable Energy Systems (Cross listed as AGR 319); ENV 340 Environmental Economics (Cross listed as ECO 340 and APP 340); ENV 341 Conservation of Agricultural Resources (Cross listed as AGR 340); ENV 325 or ENV 325S Environmental Land Use Planning (Cross listed as GEO 325 or 325S); ENV 430 Sustainability in Appalachia (Cross listed as GEO 430 and APP 430)

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Applied Studies

Students may substitute up to 6 hours from the courses listed below OR applied learning, special topics, or independent studies courses in content relevant disciplines for coursework in any ONE of the content areas above with the approval of the Program Coordinator.

- ENV 349: Applied Learning: Sustainability;
- ENV 349a-n Applied Sustainability Coop; ENV 350 Special Topics in ENV: _____; ENV 450: Advanced Topics in ENV: _____; ENV 498: Independent Study: ENV 561 (Cross listed as EMS 561); ENV 564S (Cross listed as EMS 564S)

Electives.....3 hours

Three hours from any approved ENV course, OR in content-relevant disciplines with the approval of the Program Coordinator. For a current list of approved courses, visit green.eku.edu/ENV

Total Curriculum Requirement.....18 hours

Certificate in Environmental Sustainability and Stewardship

The certificate in Environmental Sustainability and Stewardship requires a minimum of 12 credit hours as indicated below.

Core Requirement.....3 hours
ENV 200

Electives Requirement.....9 hours
Nine hours of ENV electives, with no more than 6 hours from any one “Content Area”

Total Curriculum Requirement.....12 hours

VETERANS STUDIES

Deanna Kasitz, Program Coordinator
Keith 143
(859) 622-7235
vetstudies.eku.edu

Veterans Studies (VTS) is an academic minor or certificate program that prepares students to identify and understand the often unique experiences and challenges faced by veterans of military service. VTS offers a multi-disciplinary program that provides veteran and non-veteran students a foundation of understanding regarding military structure, culture, combat, and the psychological and physiological changes resulting from military service. This first-of-its-kind program is dedicated to educating non-veterans and veterans alike about Veteran issues. The VTS Program facilitates an environment of inquiry about the transformative nature of military service and provides students the knowledge necessary to improve services for veterans and their interaction and relations with veterans. AGS students may obtain a concentration in Veterans Studies.

Minor in Veterans Studies

Core Requirement.....3 hours
VTS 200 – Intro to Veterans Studies (Gen Ed E-6)

Electives 15 hours

Students should take VTS 200 before beginning elective studies. Students must take a minimum of five courses from the list below:
CDF 331; CDF 437; ENG 386W; MSL 303; PLS 375; POL 320; POL 415; PSY 308; PSY 320; SWK 440; WGS 304; VTS 350.

Total Curriculum Requirements 18 hours

Inter-Departmental Certificate in Veterans Studies

Core Requirements 3 hours
VTS 200 – Intro to Veterans Studies (Gen. Ed. E-6)

Electives 9 hours

Students should take VTS 200 before beginning elective studies. Students must take at least three courses from the list below.
CDF 331; CDF 437; ENG 386W; MSL 303; PLS 375; POL 320; POL 415; PSY 308; PSY 320; SWK 440; WGS 304; VTS 350.

Total Curriculum Requirements 12 hours

Veterans Studies Concentration in the Associate of Arts in General Studies Degree

See page 82 of this *Catalog* for the Veterans Studies Concentration requirements listed in the Associate of Arts in General Studies degree section.

WOMEN AND GENDER STUDIES

Dr. Lisa Day, Director
Keith 143
(859) 622-7235

Women and Gender Studies (WGS) is a multidisciplinary program offering both a minor and a certificate. WGS acquaints students with the growing research on women and gender studies by addressing the intersections of gender, race, class, sexualities, and abilities and by promoting active learning and social engagement. By analyzing competing perspectives and integrating knowledge across traditional academic boundaries, students learn to identify and examine gender-based assumptions and biases and to recognize their consequences on individual, social, and cultural levels.

Minor in Women and Gender Studies

A student may complete an interdisciplinary Women and Gender Studies minor by taking 18 hours as indicated below.

Core Requirements.....6 hours
WGS 201 and 400.

Electives.....12 hours

Twelve hours from the following courses: WGS 132, 232, 300, 302, 303, 305, 306, 308, 309, 311, 331, 345, 349, 364, 365, 366, 378, 420, 446, 451, 495, 591, 592, 593, SOC 399, or gender-specific courses from other programs (upon WGS approval).

Total Curriculum Requirements.....18 hours

Certificate in Women and Gender Studies

A student may complete an interdisciplinary Women and Gender Studies certificate by taking 12 hours as indicated below:

Core Requirements.....6 hours
WGS 201 and 400.

Electives.....6 hours



Six hours from the following courses: WGS 132, 232, 300, 302, 303, 305, 306, 308, 309, 311, 331, 345, 349, 364, 365, 366, 420, 446, 451, 495, 591, 592, 593, SOC 399, or gender-specific courses from other programs (upon WGS approval).

Total Curriculum Requirements.....12 hours

NOTE: Average GPA of courses applied to the minor must be 2.25 or better.

DEPARTMENT OF LANGUAGES, CULTURES, AND HUMANITIES

Chair

Dr. Abbey Poffenberger
(859) 622-2996
McCreary 115

Faculty

J. Alvarez-Jaimes, M. Cortés-Castañeda, E. Creel, E. Liddell, A. Poffenberger, R. Polk, C. Rich, J. Varela-Ibarra, R. Williams, N. Wright, and S. Zaragoza

Mission and Goals

The Department of Languages, Cultures and Humanities is a multi-disciplinary unit which offers a variety of programs through which students gain new insights into other cultures, and develop the language skills necessary for participation and leadership in the global community. The Spanish programs prepare the students to communicate in a major world language spoken on several continents. Our Spanish teaching degree helps meet the increasingly critical need for foreign language teachers in Kentucky. We also offer certificate programs primarily for non-language majors with concentration on basic conversation skills and cultural understanding, currently available in French, German, Japanese, and Spanish. The department helps students to fulfill General Education requirements in Elements 3 and 6 through course offerings in French (FRE), German (GER), Japanese (JPN), Latin (LAT), Spanish (SPA), and occasionally other languages such as Arabic and Chinese (as FLS courses); through foreign culture and civilization courses (FCC); and also through the basic sequence of Humanities courses (HUM). All our courses, whether in language, literature, culture, or humanities, strive to foster an atmosphere in which students can experience the joy of learning and intellectual fulfillment while developing deeper understanding and appreciation of cultural diversity.

1. Certain courses are inappropriate for students with native or near-native fluency in a particular language. Native speakers of a foreign language (i.e. a language other than English) are welcome to take our courses at an appropriate skill level. However, such students cannot be given credit for introductory courses (100/200 level), in their native language either by enrolling in the course or by taking an exam for credit. Exceptions to this restriction, such as heritage speakers who need to take a lower level course to correct language deficiencies, must be approved by the relevant foreign language faculty in consultation with the chair. Other exceptions may apply, at the discretion of the coordinator and foreign language faculty in conjunction with the chair.
2. 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 EKU, the exact minimum to be determined by the department chair in consultation with the faculty in the major area.

3. 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 EKU for application to the major or minor.
4. A grade of "C" or higher is required in each course to be applied toward the major and minor.
5. Students in teaching programs must attain a minimum 2.75 GPA in their teaching major to be recommended for student teaching.
6. Spanish majors must attain a minimum 2.75 GPA in the major, and must also 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

BACHELOR OF ARTS (B.A.) SPANISH

CIP Code: 16.0905

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Spanish majors will fulfill ACCT with SPA 321S or a program approved study abroad experience.
(Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses30 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: 206 (waived in case of demonstrable oral proficiency); 301 and 360; SPA 380 or 381; three hours from 405, 406, 407; and 492.

A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.75 GPA in their major.

Exit Requirement:

SPA 492

Free Electives.....53 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

**BACHELOR OF ARTS (B.A.)
SPANISH/TEACHING**
CIP Code: 13.1330

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.)1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Spanish Teaching majors will fulfill ACCT with SPA 321S or a program-approved study abroad experience.
(Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses30 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, or 407; 492.

A grade of “C” or higher is required in each course for credit toward the major. Students must attain a 2.75 GPA in their teaching major.

Professional Education Requirements40 hours

EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, 490, EME 442, ESE 543, SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

Exit Requirement:

SPA 492

Free Electives13 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

MINORS

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**

Prerequisites0-6 hours
FRE 101 and 102 (or equivalent).

Requirements15 hours

FCC 220 or FCC 210 (with a topic related to the French-speaking world); nine hours from FRE 201, 202, and 207; and three hours with the FRE prefix numbered 300 and above. A grade of “C” or higher is required in each course for credit toward the certificate.

Total Curriculum Requirements15-21 hours

**CERTIFICATE IN GERMAN
CONVERSATION AND CULTURE**

Prerequisites0-6 hours
GER 101 and 102 (or equivalent).

Requirements9 hours
FCC 210 or 222; GER 201 and 202. A grade of “C” or higher is required in each course for credit toward the certificate.

Total Curriculum Requirements15 hours

**CERTIFICATE IN JAPANESE
CONVERSATION AND CULTURE**

Requirements15 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 Requirements15 hours

**CERTIFICATE IN SPANISH
CONVERSATION AND CULTURE**

Prerequisites0-6 hours
SPA 101 and 102 or 105 (or equivalent).

Requirements15 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 Requirements15-21 hours

EKU SCHOOL OF MUSIC

Chair
Mr. Jeremy Mulholland
 (859) 622-3266
 Foster 101

Faculty

J. Allison, R. Byrd, C. Carucci, J. Carucci, T. Couvillon, R. Crosby, D. Davis, S. Hoose, R. James, N. Jasinski, K. Kean, J. Koontz, J. Mulholland, L. Nelson, A. Putnam, C. Rhoades, B. Scarambone, P. Sehmman, K. Sehmman, N. Siler, C. Streetman, J. Van Fleet, R. Waters, J. Willett, and J. Wolf.

Mission Statement

The EKU School of Music provides a relevant and comprehensive music curriculum through individualized attention and student-centered learning. We create a diverse community of musical leaders for the 21st Century who will enhance the fabric of their society, the commonwealth, and beyond through the power of music.

BACCALAUREATE DEGREES

BACHELOR OF MUSIC (B.M.)
MUSIC
 CIP Code: 50.0901

Program Objectives

Upon successful completion of the Bachelor of Music program, graduates will be able to perform a recital in their major applied area, communicate effectively about the theoretical concepts in music, and identify and analyze musical works from diverse cultures and historical periods.

In addition, all music education majors will demonstrate the ability to sing, play a variety of instruments, develop lesson plans, and engage in effective teaching during a student teaching semester. All theory and composition students will demonstrate composition skills and present original compositions in public recitals as well as identifying an area of advanced analysis of musical works through a senior project. All music industry students will demonstrate music technology skills, identify trends in the many facets of this business field, and demonstrate an ability to work with professionals through cooperative learning experiences. All performance majors will prepare two performance recitals and analyze repertoire presented on those recitals, in addition to identifying different pedagogical approaches in their area.

Admission to the Music Major Program

Admission to the Bachelor of Music programs requires a successful audition for the applicable applied teacher. 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. Students may be accepted on probationary status at the discretion of the applied teacher and the School of Music 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 semesters at the upper division levels (numbered 300 or 400). Applied students must complete a jury examination at the end of each semester. Each major is required to enroll in applied music every semester of full-time enrollment.

Solo Recital Performance

Each major is required to perform the equivalent of a half recital (MUS 399) during the course of study.

Ensemble Requirements

Each major is expected to enroll in a major ensemble reflecting the major applied area of study every semester of full-time enrollment. Wind and percussion majors will enroll in MUS 256 (Marching Band), MUS 255A/455A (Symphonic Band), MUS 255B/455B (Concert Band), or MUS 235/435 (Symphony Orchestra). With permission of the Department Chair, MUS 254/454 (Jazz Ensemble) may be submitted for the major ensemble requirement for wind and percussion majors. Orchestral string majors will enroll in MUS 235/435 (Symphony Orchestra) or MUS 236/436 (String Orchestra). Some string bass majors may be assigned to MUS 255A/455A (Symphonic Band) pending auditions. Guitar majors will enroll in MUS 257/457 (Guitar Ensemble). Vocal majors will enroll in MUS 225/425 (Concert Choir) or MUS 226/426 (University Singers). 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. Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor. All wind and percussion majors have required corequisite small and large ensembles with their applied lessons. Voice/string majors have a corequisite large ensemble required with applied lessons and must demonstrate experience in small choral/string ensembles.

Recital Attendance

All majors are required 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.

MUSIC EDUCATION

All wind and percussion majors must complete at least three semesters of MUS 256. All Music Education majors must elect MUS 383.

MUSIC PERFORMANCE

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. Vocal performance majors must elect foreign language as part of

their Gen. Ed. studies.

MUSIC INDUSTRY

All music industry majors must complete 3 or 4 credit hours 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

Theory and composition majors must complete two credits of beginning composition (MUS 283) and eight credits of advanced composition (MUS 483). Composition students will include the performance of their compositions as part of the recital requirement. All theory and composition majors must elect additional piano studies. Theory students will complete a senior thesis or project (MUS 499) as part of this degree program.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT – Music majors will fulfill ACCT with MUS 349, 482, 499, 550, or 551, or CED 499. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses38 hours
 MUS 110(1), 111(1), 210(1), and 211(1), or MUS 114 (2) and 115 (2); MUS 161(1), 162(1), 181, 182, 261(1), 262(1), 281, 282, 366(1), 399(1), 480, MUH 371 and 372; a minimum of 7 hrs of applied primary instrument over 7 semesters (2 credits at 100 level, 2 credits at 200 level, 2 credits at 300 level and 1 credit at 400 level); six semesters of MUS 101 (0 credit course).

Degree Concentrations:

Performance/Instrumental.....43 hours
 MUS 285 or 383 or 481, 367(2) or 368(2), 384(2), 499 (1), 550 (2), 551 (2); additional 17 hrs of applied primary instrument (2 hrs at 100 and 200 levels, 6 hrs at 300 level, and 7 hrs at 400 level); a minimum of 8 hrs of ensembles over 8 semesters; 3 hrs of upper division music theory electives; 3 hrs of upper division music history electives.

Performance/Piano Pedagogy.....43 hours
 MUS 285 or 383 or 481, 201(1), 299(1), 303(1), 348(1), 355(1), 367(2) or 368(2), 384(2), 448(1), 451(1), 499(1), 513(1), 550(2), 551(2); additional 9 hrs of applied primary instrument (2 hrs at 100, 200 and 300 levels, and 3 hrs at 400 level); a minimum of 8 hrs of ensembles over 8 semesters; 3 hrs of upper division music theory electives; 3 hrs of upper division music history electives.

Performance/Vocal.....43 hours
 MUS 220 (1), and 221(1); 285 or 383 or 481; MUS 367(2) or 368(2); 384(2), MUS 499 (1), 550 (1), 551 (1); additional 17 hrs of applied primary instrument (2 hrs at 100 and 200 levels, 6 hrs at 300 level, and 7 hrs at 400 level); a minimum of 8 hrs of ensembles over 8 semesters; 3 hrs upper division music theory electives; 3 hrs upper division music history electives.

Performance/Vocal Pedagogy.....43 hours

MUS 202(1), 220(1), 221(1), 285 or 383 or 481, 299(1), 303(1), 348(1), 355(1), 367(2) or 368(2), 384(2), 448(1) 452(1), 499(1), 550(1), 551(2); additional 9 hrs of applied primary instrument (2 hrs at 100, 200 and 300 levels, and 3 hrs at 400 level); a minimum of 8 hrs of ensembles over 8 semesters; 3 hrs of upper division music theory electives; 3 hrs of upper division music history electives.

Emphasis in Music Industry47 hours
 MUS 190(2), 191(2), 285 or 383 or 481, 290(2), 300(0), 349 (4), 390, 391, 449(2); MUH 273; 9 hrs from: ACC 201, MGT 301, PUB 375, 385 or 415S; a minimum of 7 hrs of ensembles over 7 semesters; 7 elective credits in MUS/MUH courses.

Emphasis in Music Industry-Recording

Arts.....47 hours
 MUS 190 (2), 191 (2), 192 (2), 285 or 383 or 481, 290 (2), 292 (2), 300(0), 349(3), 390, 391, 392 (2), 492 (2), 449(2); MUH 273; 9 credits chosen from: ACC 201, MGT 301, PUB 375, PUB 385, PUB 415S; a minimum of 7 hrs of ensembles over 7 semesters.

Music Theory and Composition37 hours
 MUS 283 (2), 285 or 383 or 481, 384(2), 482(2), 483(8), 499 (2), 555 or 556; additional 1 hr of applied primary instrument (at 400 level); a minimum of 8 hrs of ensembles over 8 semesters; 3 hrs upper division theory electives; 3 hrs music electives.

Music Education/Instrumental.....23 hours
 MUS 230(1), 251A(.5), 251B(.5), 252A(.5), 252B(.5), 320(1), 330(1), 351A(.5), 351B(.5), 352A (.5), 352B (.5), 354(1), 364(1), 365(1), 367(2), 383, 384(2); a minimum of 7 hrs of ensembles over 7 semesters, of which 3 hours of MUS 256 must be elected by wind and percussion majors. *Instrumental students will be excused from taking the methods course that includes their major applied instrument.*

Music Education/Vocal.....23 hours
 MUS 220(1), 230(1), 251A(.5), 251B(.5), 313(2) 351A(.5), 351B(.5), 354(1), 364(1), 365(1), and 368(2), 383, 384(2); a minimum of 7 hrs of ensembles over 7 semesters.

Supporting Course Requirements:

Performance/Vocal

Vocal Performance majors must elect 3 hrs of foreign language (^GElement 6) as part of their General Education studies.

Performance/Vocal Pedagogy

Vocal Performance/Pedagogy majors must elect 3 hrs of foreign language (^GElement 6) as part of their General Education studies.

Music Theory and Composition

Music Theory and Composition majors must elect 3 hrs of foreign language (^GElement 6) as part of their General Education studies.

Professional Education Requirements for Music

Education35 hours
 EDC 300, EDF 203, 219, and 413(2); EDF 204(2) or MUS 384(2); EMS 300W(1), 474, and 490(1); EME 378 or MUE 378; ESE 579 or MUE 579; SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....0-8 hours

TOTAL HOURS TO COMPLETE DEGREE120-133 hours

MINOR

MINOR IN MUSIC

Requirements.....20 hours
 MUS 110, 111, 161, 162, 181, 182, MUH 371, 372, and four hours of electives in music.

**DEPARTMENT OF PHILOSOPHY
 AND RELIGION**

Chair
Dr. Michael Austin
 (859) 622-1400
 Mattox 124

Faculty

M. Austin, T. Blackburn, T. Gooch, R. Messerich, L. Newhart, M. Nguyen, S. Parchment, M. Pianalto, and A. Velez.

BACCALAUREATE DEGREE

**BACHELOR OF ARTS (B.A.)
 PHILOSOPHY**
CIP Code: 38.0101

UNIVERSITY GRADUATION REQUIREMENTS

- General Education 36 hours
- Student Success Seminar (ASO 100; waived for transfers with 30+ hrs.) 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Philosophy majors will fulfill ACCT with PHI 499 (*Credit hours may be incorporated into Major or Supporting requirements.*)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 36 hours
 PHI 100, and 110; PHI 130 or 130S; PHI 300, 320, 330, 371, 499, and either 350 or 352; 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.

Free Electives 47 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

MINORS

MINOR IN PHILOSOPHY

A minor consists of 18 hours in philosophy, including at least three hours in PHI 100 or 110, PHI 130 or 130S, PHI 300, or 320. Three hours of religion may be counted in a minor.

MINOR IN RELIGION

Total Curriculum Requirements 18 hours
 REL 301 and either 1) fifteen additional REL hours or 2) twelve additional REL hours and three additional PHI hours or 3) nine additional REL hours, PHI 240: Philosophy of Religion, and three additional PHI hours.

MINOR IN APPLIED ETHICS

Total Curriculum Requirements 18 hours
 PHI 100; PHI 130 or 130S; PHI 360; six hours from PHI 362, 381, 383 or 383W, 385, or REL 360; and three hours from one of the following: PHI 349 or PHI 349 A-N; PHI 388, 490, or a course outside the department with the approval of the department chair.

DEPARTMENT OF PSYCHOLOGY

Chair
Dr. Robert Brubaker
 (859) 622-1105
 Cammack 127

Faculty

T. Botts, R. Brubaker, M. Bundy, H.T. Chen, D. Florell, J. Gore, J. Henning, S. Incera, A. Lawson, R. Makecha, M. McClellan, R. Mitchell, M. Moore, Y. Nakai, T. Nowak, R. Osbaldiston, J. Palmer, A. Strait, D. Varakin, S. Wilson, M. Winslow, and D. Wygant

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
 PSYCHOLOGY**
CIP Code: 42.0101

Program Objectives

Upon completion of the Psychology degree graduates will:
 1) show breadth and depth in their understanding of the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology; 2) use critical and creative thinking and skeptical inquiry when critiquing and applying research methods in psychology; 3) respect and use critical and creative thinking, skeptical inquiry, and the scientific approach when solving problems related to behavior and mental processes; 4) understand and apply psychological principles in many areas of life including personal, social and organizational; 5) be able to weigh evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology; 6) demonstrate information competence and the ability to use technology for many purposes; 7) be able to communicate and collaborate effectively; 8) understand and apply knowledge of human diversity to better people's lives; 9) develop insight into their own and others' behavior and mental processes and apply effective strategies for self-management and self-improvement; 10) pursue realistic ideas about how to implement their psychological knowledge, skills, and values in occupational pursuits in a variety of settings that meet personal goals and societal needs.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (GSD 101; waived for transfers with 30+ hrs.)..... 3 hours
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Psychology majors will fulfill ACCT with PSY 349 (3 Credits) or 400 or 419 or 579 (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 39 hours

MAJOR REQUIREMENTS

A minimum grade of “C” is required in all courses counted toward the major.

- Core Courses** 34 hours
 PSY 200; PSY 250 or 250W; PSY 258; PSY 309(4) or 309W(4); PSY 310, 499(0), and at least 3 hours from each of the following areas:
- **Biological Bases of Behavior:** PSY 311, 315, or 315L (students in the Substance Abuse or Brain and Cognitive Science Concentrations must select 311 for this group)
 - **Cognition/Learning:** PSY 317/317L, 322, or 333.
 - **Developmental:** PSY 312, 314, or 316 (students in the Child and Family Psychology must select 312; students in the Psychology of the Workplace Concentration must select either 314 or 316)
 - **Social/Personality:** PSY 300, 305, or 308 (students in the Substance Abuse, Autism Spectrum, Forensic, or Workplace Concentrations must select 308 in this area)
 - **Skills:** PSY 318, 319, 399, 405, 406, 490, or 590 (Students in the Substance Abuse Concentration must select 490; students in the Child and Family Concentration must select 406; students in the Workplace Concentration must select 405)
 - **Capstone:** 349 (3 hours), 400, 419, or 579

Concentrations (*Students may choose one or more concentrations. Those who do not choose one will be placed in the General Concentration.*):

- Psychology (General)**..... **9 hours**
 9 hours of psychology electives. At least 3 hours must be numbered 400 or above. (PSY 280, 402 and 403 may not be used as a psychology elective.)
- Substance Abuse**..... **12 hours**
 PSY 305, 405, 406, and 429
- Developmental Disabilities/Autism Spectrum Disorders** **12 hours**
 PSY 312, 406, 408; PSY 477 or 577.
- Forensic Psychology**..... **12 hours**
 PSY 300, 305, 314, and 566.
- Child and Family Psychology** **12 hours**
 PSY 314, 405, 408, and one of the following: 318, 321, or 377.
- Psychology of the Workplace** **12 hours**
 PSY 300, 305, 319, and 590.
- Brain and Cognitive Sciences**..... **15-16 hours**
 PSY 315, 317, and 413; one of the following: PSY 322, 333, or approved 497/597; one of the following: BIO 171, 301, 371, CSC 160, MAT 234(4) or 234H(4), or PHI 352.
- Psychiatric Rehabilitation** **15 hours**
 PSY 337; 349 or 403; 405, 429, and 437.

Free Electives..... **31-38 hours**

TOTAL HOURS TO COMPLETE DEGREE 120 hours

Important Note for Transfer Students and Students who have changed their major: *You should allow at least four semesters to complete the required psychology courses. It is strongly recommended that you take PSY 258 during your FIRST semester.*

Students pursuing any of the Concentrations are strongly encouraged but not required to complete PSY 349, Co-operative Study, in the Concentration area.

**BACHELOR OF SCIENCE (B.S.)
 ANIMAL STUDIES
 CIP Code: 30.9999**

Faculty

R. Brubaker (Psychology), E. Fredrickson (Agriculture), B. Freed (Anthropology, Sociology, & Social Work), A. Lawson (Psychology), P. Kopacz (English), R. Makecha (Psychology), S. McSpirit (Anthropology, Sociology, & Social Work), R. Mitchell (Psychology), L. Newhart (Philosophy & Religion), L. Noblitt (Government), B. Pratt (Agriculture), S. Sumithran (Biology), and S. Tsiang (English)

Program Objectives

Animal Studies (ANS) is an interdisciplinary major that concentrates on nonhuman animals, their interactions and relationships with people, and the mutual influences humans and nonhuman animals have on each other’s existence, evolution, and history. Students in Animal Studies receive training in sciences, humanities, and applied fields. Within their cross-disciplinary training, students will choose to emphasize at least one of these areas of study. Graduates of the program will gain knowledge of and be able to evaluate ideas about nonhuman animals, humans, and their mutual influences informatively from diverse perspectives. Upon completion of the ANS degree, graduates will be able to (1) analyze contexts and events concerning animals knowledgeably and from diverse points of view; (2) elucidate the motives and consequences for diverse human-animal interactions; (3) evaluate the impacts of human uses of and attitudes toward animals on individuals and communities, and on evolution and history; (4) integrate cross-disciplinary ideas into an awareness of divergent perspectives on animals and humans; and (5) use skills and expertise in understanding animals and humans to obtain employment.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (GSD 101; waived for transfers with 30+ hrs.)..... 3 hours
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Animal Studies majors will fulfill ACCT with ANS 400 or PSY 401. (Credit hours may be incorporated into program requirements below.)

Total Hours University Graduation Requirements ... 39 hours

MAJOR REQUIREMENTS

Core Courses 53-55 hours

- ANS 200, and courses in the following groups:
1. Arts & Humanities(12 hours): ANS 320; PHI 381; SOC 300; and ANS 310, 497, or three hours of a relevant arts or humanities course.
 2. Science (14 hours): ANT 306 or 371; BIO 319(4); BIO 316(4) or 550(4); PSY 333.
 3. Application (12 hours): AGR 125 and ANT 370; LGS 306 or WLD 380; three hours of a relevant applied learning or study abroad course.
 4. Capstone: ANS 400 or PSY 401 or other relevant thesis option.
 5. Electives: an additional 9-11 hours in relevant courses, as approved by student’s advisor or department head.
 6. ANS 499: Senior Exit Course in Animal Studies
- A minimum grade of “C” is required in all courses counted toward the major.

Supporting Course Requirements 1 hour
 ANT 120^(GElement 5B), 201^(GElement 4); BIO 112^(GElement 4)
^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives 25-27 hours

TOTAL HOURS TO COMPLETE DEGREE **120 hours**

MINOR

MINOR IN PSYCHOLOGY

Requirements for a minor are PSY 200 plus electives in PSY to total 18 hours. PSY 349, 402, and 403 cannot be counted toward the minor. A minimum grade of “C” is required of all courses counted toward the minor.

CONCENTRATION

PSYCHOLOGY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Psychology Concentration requirements listed in the Associate of Arts in General Studies degree section.

DEPARTMENT OF ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

ANTHROPOLOGY B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100S 1	ANT 3	ANT 3	ANT 300+ Level Elective..... 3
ANT 120 3	(Archaeology component)	(Physical Ant. Component)	300+ Level Elective 6
ANT 200 3	Gen. Ed. E-3A 3	ANT 300+ Level Elective..... 3	Free Elective 6
Gen. Ed. E-1A..... 3	Gen. Ed. E-4..... 3	Free Elective 3	Total 15
Gen. Ed. E-3B 3	Gen. Ed. E-5A 3	300+ Level Elective 3	
Free Electives..... 3	Gen. Ed. 6 3	Free Elective 3	
Total 16	Total 15	Total 15	
Second Semester	Second Semester	Second Semester	Second Semester
ANT 201 3	ANT 3	ANT 351W (spring only)..... 3	ANT 395 (spring only)..... 3
Gen. Ed. E-1B..... 3	(Cultural Ant. Component)	ANT 300+ Level Elective..... 3	300+ Level Elective 3
Gen. Ed. E-2..... 3	Gen. Ed. E-4..... 3	300+ Level Elective 3	Free Elective 8
Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	Free Elective 3	Total 14
Free Electives..... 3	Gen. Ed. E-6..... 3	Free Elective 3	
Total 15	300+ Level Elective 3	Total 15	
	Total 15		

SOCIAL WORK B.S.W.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100S 1	SWK 225 3	SWK 350 3	SWK 360 3
SWK 210 3	SWK 310 3	SWK 354 3	SWK 340 3
PSY200 or 200W (Gen. Ed. E5B) 3	SOC 232 3	Free Elective 3	SWK 390 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-1C..... 3	SWK Elective 3	SWK Elective 3
Gen. Ed. E-3A..... 3	Gen. Ed. E-4..... 3	Free Elective 3	Free Elective 3
Gen. Ed. E-5A..... 3	Free Elective 3	Total 15	Total 15
Total 16	Total 18		
Second Semester	Second Semester	Second Semester	Second Semester
SOC 131 (Gen. Ed 5B) 3	SWK 335 3	SWK 355 3	SWK 490 (ACCT)..... 12
Gen. Ed. E-1B..... 3	Gen. Ed. E-4..... 3	SWK 410 3	Total 12
Gen. Ed. E-2..... 3	SOC 400 or 399 (Gen. Ed. E-6) 3	SWK Elective 3	
Gen. Ed. E-3B 3	Free Elective 6	Free Elective 3	
Gen. Ed. E-6..... 3	Total 15	Free Elective 2	
Total 15	Total 15	Total 14	

SOCIOLOGY B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100S 1	SOC 232 3	SOC 300+ Elective..... 3	SOC 395 (Fall only) 3
SOC 131 3	Gen. Ed. E-1C..... 3	Writing Intensive Elective..... 3	SOC 462 (Fall only) 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	300+ Level Elective 6	SOC 300+ Elective..... 3
Gen. Ed. E-3A 3	Gen. Ed. E-6..... 3	Free Elective 3	Free Elective 3
Gen. Ed. E-4..... 3	Free Elective 3	Total 15	Free Elective 2
Free Electives..... 3	Total 15		Total 15
Total 16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B..... 3	SOC 300+ Elective..... 3	SOC 300+ Elective..... 6	SOC 470 (Spring only)..... 3
Gen. Ed. E-2..... 3	Gen. Ed. E-5A 3	300+ Level Elective 3	Free Elective 12
Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3	Free Elective 6	Total 15
Gen. Ed. E-5B 3	300+ Level Elective 6	Total 15	
Free Electives..... 3	Total 15		
Total 15			

DEPARTMENT OF ART AND DESIGN

ART B.A. - LIBERAL ARTS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART Core..... 3	ART Core..... 3	ART 562..... 3
ART 100..... 3	ART Core..... 3	ART Core..... 3	Liberal Arts Option..... 3
ART 152 or 153..... 3	Liberal Arts Option..... 3	Liberal Arts Option..... 3	Gen. Ed. E-6..... 3
ART 164..... 3	ARH 390 or 390W..... 3	ARH Core Elective..... 3	Free Elective..... 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B..... 3	Gen. Ed. E-4..... 3	Free Elective..... 2
Free Elective..... 3	Total..... 15	Total..... 15	Total..... 14
Total..... 16			
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART Core..... 3	Liberal Arts Option..... 6	Liberal Arts Option..... 3
ART 152 or 153..... 3	ART Core..... 3	Gen. Ed. E-5A..... 3	Gen. Ed. E-3A (not ART 200) 3
Gen. Ed. E-1B..... 3	Liberal Arts Option..... 3	Gen. Ed. E-5B..... 3	Gen. Ed. E-6..... 3
Gen. Ed. E-2..... 3	ARH 391 or 391W..... 3	300+ Level Elective..... 3	300+ Level Elective..... 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Total..... 15	Free Elective..... 3
Total..... 15	Total..... 15		Total..... 15

ART B.A. - TEACHER EDUCATION CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 3	AED 361 or EME 361..... 3	CED 300..... 0.5	CED 450..... 1
ART 100..... 3	EDF 204..... 2	EDC 300..... 3	AED 540 or ESE 540..... 3
ART 152 or 153..... 3	ART CORE..... 3	ARH 391 or 391W..... 3	(Fall only)
Gen. Ed. E-1A..... 3	Gen. Ed. E-1B..... 3	ART Core..... 3	ART CORE..... 3
Gen. Ed. E-3A(not ART 200) 3	Gen. Ed. E-1C..... 3	ARH Core Elective..... 3	ART 562..... 3
Free Elective..... 3	Gen. Ed. E-2..... 3	Gen. Ed. E-4..... 3	ENG 210, 211, or 212..... 3
Total..... 16	Total..... 17	Total..... 16.5	(Gen. Ed. E-3B)..... 3
	Apply to professional education program - 30 hours complete		Total..... 16
			Apply for Student Teaching
Second Semester	Second Semester	Second Semester	Second Semester
EDF 203..... 3	EDF 219 or 219W..... 3	EDF 413..... 2	CED 499..... 9
CED 100..... 0	CED 200..... 0	EMS 490..... 1	EMS 474..... 3
SED 104 (Gen. Ed. E-6)..... 3	ART CORE..... 3	CED 400..... 0.5	Total..... 12
ART 101..... 3	ARH 390 or 390W..... 3	ART CORE..... 3	
ART 152 or 153..... 3	Gen. Ed. E-5B..... 3	ART CORE..... 3	
ART 164..... 3	Gen. Ed. E-6..... 3	AED 561..... 3	
AED 360..... 3	Total..... 15	Gen. Ed. E-4..... 3	
Total..... 18		Total..... 15.5	

ART B.F.A. - CERAMICS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART Core (2D)..... 3	ART Core..... 3	ART 473..... 3
ART 100..... 3	ART Core (3D)..... 3	ART 372..... 3	ART 562..... 3
ART 153..... 3	ART 270..... 3	ARH Core Elective..... 3	ARH/ART/DES Elective..... 3
ART 164..... 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective..... 3	ARH/ART/DES Elective..... 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B..... 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective..... 3	Total..... 15	Total..... 15	Free Elective..... 1
Total..... 16			Total..... 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART Core..... 3	ART 472..... 3	ART 499..... 1
ART 152..... 3	ART Core..... 3	ARH/ART/DES Elective..... 3	ART 474..... 3
Gen. Ed. E-1B..... 3	ART 371..... 3	ARH/ART/DES Elective..... 3	ART/ARH/DES Elective..... 3
Gen. Ed. E-2..... 3	ARH 391 or 391W..... 3	Gen. Ed. E-5A..... 3	Gen. Ed. E-3A..... 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B..... 3	(NOT ART 200)
Total..... 15	Total..... 15	Total..... 15	Gen. Ed. E-6..... 3
			Total..... 13

ART B.F.A. - GRAPHIC DESIGN CONCENTRATION

ART B.F.A. - GRAPHIC DESIGN CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART Core (2D)..... 3	ART Core 3	DES 450 3
ART 100 3	ART Core (3D)..... 3	ARH Core Elective..... 3	DES 453 3
ART 152..... 3	DES 250 3	DES 352 3	ART 562 3
ART 164 3	ARH 390 or 390W..... 3	DES 353 3	Gen. Ed. E-3B 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-1C 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Elective 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART Core..... 3	ART Core 3	ART 499 1
ART 153..... 3	ART Core..... 3	DES 354 3	DES 454 3
Gen. Ed. E-1B..... 3	DES 350 3	DES 451..... 3	ART/ARH/DES Elective 3
Gen. Ed. E-2..... 3	DES 351..... 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A(not ART 200) 3
Gen. Ed. E-4..... 3	ARH 391 or 391W 3	Gen. Ed. E-5B 3	Gen. Ed. E-6..... 3
Total 15	Total 15	Total 15	Total 13

ART B.F.A. - JEWELRY AND METALS CONCENTRATION

ART B.F.A. - JEWELRY AND METALS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART Core 2D..... 3	ART Core..... 3	ART 443 3
ART 100 3	ART Core 3D..... 3	ART 343 3	ART 562 3
ART 153..... 3	ART 240..... 3	ARH Core Elective..... 3	ARH/ART/DES Elective 3
ART 164 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. 1A 3	Gen. Ed. E-3B 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Elective 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART Core..... 3	ART 344 3	ART 499 1
ART 152..... 3	ART Core..... 3	ARH/ART/DES Elective 3	ART 444 3
Gen. Ed. E-1B..... 3	ART 341..... 3	ARH/ART/DES Elective 3	ART/ARH/DES Elective 3
Gen. Ed. E-2..... 3	ARH 391 or 391W 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A(not ART 200) 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	Gen. Ed. E-6..... 3
Total 15	Total 15	Total 15	Total 13

ART B.F.A. - PAINTING CONCENTRATION

ART B.F.A. - PAINTING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART CORE 2D 3	ART CORE 3	ART 413..... 3
ART 100 3	ART CORE 3D 3	ART 313..... 3	ART 562 3
ART 152..... 3	ART 210 3	ARH CORE ELECTIVE 3	ARH/ART/DES Elective 3
ART 164 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Elective 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART CORE 3	ART 314..... 3	ART 499 1
ART 153..... 3	ART CORE 3	ARH/ART/DES Elective 3	ART 414 3
Gen. Ed. E-1B..... 3	ART 312..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-2..... 3	ARH 391 or 391W 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	(NOT ART 200)
Total 15	Total 15	Total 15	Gen. Ed. E-6..... 3
			Total 13

ART B.F.A. - PHOTOGRAPHY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART CORE 2D 3	ART CORE 3	ART 483 3
ART 100 3	ART CORE 3D 3	ART 382 3	ART 562 3
ART 152..... 3	ART 280..... 3	ARH CORE Elective..... 3	ARH/ART/DES Elective 3
ART 164 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Electives..... 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART CORE 3	ART 383 3	ART 499 1
ART153..... 3	ART CORE 3	ARH/ART/DES Elective 3	ART 484 3
Gen. Ed. E-1B..... 3	ART 381 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-2..... 3	ARH 391 or 391W 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	(NOT ART 200)
Total 15	Total 15	Total 15	Gen. Ed. E-6..... 3
			Total 13

ART B.F.A. - PRINTMAKING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART CORE 2D 3	ART CORE 3	ART 433 3
ART 100 3	ART CORE 3D 3	ART 332 3	ART 562 3
ART 152..... 3	ART 230..... 3	ARH CORE Elective..... 3	ARH/ART/DES Elective 3
ART 164 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Elective 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART CORE 3	ART 333 3	ART 499 1
ART153..... 3	ART CORE 3	ARH/ART/DES Elective 3	ART 434 3
Gen. Ed. E-1B..... 3	ART 331..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-2..... 3	ARH 391 or 391W 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	(NOT ART 200)
Total 15	Total 15	Total 15	Gen. Ed. E-6..... 3
			Total 13

ART B.F.A. - SCULPTURE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100A..... 1	ART CORE 2D 3	ART CORE 3	ART 423 3
ART 100 3	ART CORE 3D 3	ART 322 3	ART 562 3
ART 153..... 3	ART 220..... 3	ARH CORE Elective..... 3	ARH/ART/DES Elective 3
ART 164 3	ARH 390 or 390W..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-1A..... 3	Gen. Ed. E-3B 3	Gen. Ed. E-4..... 3	Gen. Ed. E-6..... 3
Free Elective 3	Total 15	Total 15	Free Elective 1
Total 16			Total 16
Second Semester	Second Semester	Second Semester	Second Semester
ART 101..... 3	ART CORE 3	ART 323 3	ART 499 1
ART 152..... 3	ART CORE 3	ARH/ART/DES Elective 3	ART 424 3
Gen. Ed. E-1B..... 3	ART 321..... 3	ARH/ART/DES Elective 3	ARH/ART/DES Elective 3
Gen. Ed. E-2..... 3	ARH 391 or 391W 3	Gen. Ed. E-5A 3	Gen. Ed. E-3A 3
Gen. Ed. E-4..... 3	Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	(NOT ART 200)
Total 15	Total 15	Total 15	Gen. Ed. E-6..... 3
			Total 13

LETTERS, ARTS & SOCIAL SCIENCES

DEPARTMENT OF COMMUNICATION

BROADCASTING AND ELECTRONIC MEDIA B.A. - BEM CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100 .....1	Gen. Ed. E-5B or (BEM 200/200W).....3	BEM 202.....3	BEM 295 .....4	BEM 425 .....3	Free Electives.....9	BEM Electives.....4	BEM 343 or 349 or 398 .....1
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-2.....3	BEM 203, 330, or 353W .....3	Gen. Ed. E-3B or 3A.....3	GSD 300 .....0	BEM 320.....3	BEM 425 .....3	Free Electives.....6
Gen. Ed. E-1C.....3	Free Elective .....3	Gen. Ed. E-4.....3	Gen. Ed. E-6.....3	Total .....15	Total .....14	Free Electives.....6	Total .....14
Total .....16		Total .....16					
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-1B (ENG 102) .....3	Gen. Ed. E-3A or 3B .....3	BEM 300.....3	BEM 395 .....4	BEM 395.....4	BEM 405.....3	BEM 491 Senior Seminar .....2	Free Electives.....11
Gen. Ed. E-4.....3	Gen. Ed. E-5A .....3	BEM301, 353W, or 375.....3	Gen. Ed. E-6.....3	Free Electives.....8	Total .....15	Free Electives.....11	Total .....13
Gen. Ed. E-5B or BEM 200/200W.....3	Total .....15	Free Electives.....3	Total .....16				
Total .....15							

BROADCASTING AND ELECTRONIC MEDIA B.A. - MULTIMEDIA NEWS CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100 .....1	Gen. Ed. E-5B .....3	BEM 295 .....4	BEM 203 .....3	BEM 301 .....3	BEM 320 .....3	BEM 343 or 349 or 398 .....1	BEM 412 .....3
(BEM 200/200W)	Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3B or 3A .....3	Gen. Ed. E-4.....3	BEM 425 .....3	Free Electives.....6	BEM 425 .....3	Free Electives.....7
Gen. Ed. E-2.....3	Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	GSD 300 .....0	Total .....15	Free Electives.....7	Total .....14
Free Elective .....3	Total .....16	Total .....16					
Total .....16							
Second Semester		Second Semester		Second Semester		Second Semester	
BEM 240 .....3	Gen. Ed. E-1B (ENG 102) .....3	BEM 300.....3	BEM 395 .....4	BEM 401 .....3	BEM 349 .....1	BEM 349 .....1	BEM 415 .....3
Gen. Ed. E-3A or E-3B.....3	Gen. Ed. E-4.....3	BEM 305W .....3	Gen. Ed. E-6.....3	BEM 395 .....4	BEM 405 .....3	BEM 491 Senior Seminar .....2	Free Electives.....7
Gen. Ed. E-5A .....3	Total .....15	Free Elective .....3	Total .....16	Free Electives.....4	Total .....15	Free Electives.....7	Total .....13
Total .....15							

BROADCASTING AND ELECTRONIC MEDIA B.A. - FILM TECHNIQUES & TECHNOLOGY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100 .....1	Gen. Ed. E-5B .....3	BEM 295 .....4	BEM 350 .....3	BEM 320 .....3	BEM 352 .....3	BEM 343 or 349 or 398 .....1	BEM 495 .....4
(BEM 200/200W)	Gen. Ed. E-1A.....3	BEM 203 or 375.....3	Gen. Ed. E-4.....3	BEM 351.....3	BEM 425 .....3	Free Electives.....9	Total .....14
Gen. Ed. E-2.....3	Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	Total .....16	Free Electives.....3	GSD 300 .....0		
Free Elective .....3	Total .....16			Total .....15			
Total .....16							
Second Semester		Second Semester		Second Semester		Second Semester	
BEM 202 .....3	Gen. Ed. E-1B (ENG 102) .....3	BEM 300.....3	BEM 353W.....3	BEM 370 .....4	BEM 405 .....3	BEM 491 .....2	Free Electives.....11
Gen. Ed. E-3A or 3B .....3	Gen. Ed. E-4.....3	BEM 395 .....4	Gen. Ed. E-3B or 3A .....3	Free Electives.....8	Total .....15	Free Electives.....11	Total .....13
Gen. Ed. E-5A .....3	Total .....15	Gen. Ed. E-6.....3	Total .....16				
Total .....15							

COMMUNICATION STUDIES B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	CMS 220 .....1	CMS 305 .....3	CMS 353, 420, 450, or 485/ 485S .....3
CMS 100.....3	CMS 335.....3	CMS 310.....3	Free Electives.....12
Gen. Ed. E-1C (CMS 210) .....3	Gen. Ed. E-3A .....3	CMS 325.....3	Total .....15
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3B .....3	Free Electives.....6	
Gen. Ed. E-2.....3	Gen. Ed. E-4.....3	GSD 300 .....0	
Gen. Ed. E-5B .....3	Gen. Ed. E-6.....3	Total .....15	
Total .....16	Total .....16		
Second Semester	Second Semester	Second Semester	Second Semester
CMS 200 .....3	CMS 205W .....3	CMS 350 .....3	CMS 495.....3
CMS 250 .....3	CMS 220, 320, 375, 400, 490 or PUB 385.....3	CMS 410.....3	CMS 353, 420, 450, or 485/ 485S .....3
Gen. Ed. E-1B (ENG 102) .....3	CCT 201 or ENG 300.....3	CMS 349 or 315.....3	Free Electives.....7
Gen. Ed. E-4.....3	Gen. Ed. E-5A .....3	Free Electives.....6	Total .....13
Free Elective .....3	Gen. Ed. E-6.....3	Total .....15	
Total .....15	Total .....15		

COMMUNICATION STUDIES B.A. - INTEGRATED ORGANIZATIONAL COMMUNICATION CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	CMS 335.....3	CMS 305 .....3	PUB 375 .....3
CMS 100.....3	Gen. Ed. E-3A .....3	CMS 310.....3	PUB 425 .....3
Gen. Ed. E-1C (CMS 210) .....3	Gen. Ed. E-3B .....3	CMS 325.....3	Free Electives.....9
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-4.....3	Free Electives.....3	Total .....15
Gen. Ed. E-2.....3	Gen. Ed. E-6.....3	CMS 350 .....3	
Gen. Ed. E-5B .....3	Total .....15	GSD 300 .....0	
Total .....16		Total .....15	
Second Semester	Second Semester	Second Semester	Second Semester
CMS 250 .....3	CMS 205W .....3	CMS 410.....3	CMS 495.....3
Gen. Ed. E-1B (ENG 102) .....3	CMS 320, 380, 490, or 499.....3	CMS 349 or 315.....3	MGT 301 .....3
Gen. Ed. E-4.....3	COM 200 .....3	Free Electives.....3	Free Electives.....9
Elective.....3	CCT 201 or ENG 300.....3	CMS 420 or 450.....3	Total .....15
Total .....12	Gen. Ed. E-5A .....3	CMS 300 or CCT 201.....3	
	Total .....15	Total .....15	

COMMUNICATION STUDIES B.A. - INTERPERSONAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	CMS 335.....3	CMS 305 .....3	CMS 435.....3
CMS 100.....3	Gen. Ed. E-3A .....3	CMS 310.....3	CMS 445.....3
Gen. Ed. E-1C (CMS 210) .....3	Gen. Ed. E-3B .....3	CMS 325.....3	Free Electives.....9
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-4.....3	Free Electives.....3	Total .....15
Gen. Ed. E-2.....3	Gen. Ed. E-6.....3	CMS 353.....3	
Gen. Ed. E-5B .....3	Total .....15	GSD 300 .....0	
Total .....16		Total .....15	
Second Semester	Second Semester	Second Semester	Second Semester
CMS 250 .....3	CMS 205W .....3	CMS 410.....3	CMS 495.....3
Gen. Ed. E-1B (ENG 102) .....3	CMS 320, 380, 490, or 499.....3	CMS 349 or 315.....3	Free Electives.....12
Gen. Ed. E-4.....3	COM 200 .....3	Free Electives.....3	Total .....15
Free Elective3	CCT 201 or ENG 300.....3	CMS 375.....3	
Total12	Gen. Ed. E-5A3	CMS 4003	
	Total15	Total15	

LETTERS, ARTS &
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PUBLIC RELATIONS B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	PUB 375 .....3	PUB 320 or BEM 320 .....3	COM 405.....3
BEM 200 .....3	BEM 203 .....3	PUB Elective .....3	CMS 305 or COM 420 .....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3B .....3	BEM 305W .....3	PUB 410 .....3
Gen. Ed. E-2.....3	Gen. Ed. E-4.....3	Free Electives.....6	MKT 301 .....3
Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	GSD 300 .....0	Free Electives.....3
Elective.....3	Total .....15	Total .....15	Total .....15
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) .....3	PUB 380.....3	PUB 475 .....3	PUB 491 .....1
Gen. Ed. E-3A or 3B .....3	PUB Elective .....3	PUB 349 or 470 .....1	PUB 490 or 490S.....3
Gen. Ed. E-4.....3	ECO 130, 230, or 231.....3	BEM 412.....3	PUB 425 .....3
Gen. Ed. E-5B .....3	Gen. Ed. E-5A .....3	BEM 295 .....4	Free Electives.....5
Gen. Ed. E-6.....3	Free Elective .....3	Free Electives.....6	Total .....12
Total .....15	Total .....15	Total .....17	

DEPARTMENT OF ENGLISH AND THEATRE			
ENGLISH B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	Gen. Ed. 3A.....3	ENG 474.....3	ENG 352.....3
Gen. Ed. 1A (ENG 101) .....3	ENG 301.....3	ENG 350 .....3	Concentration Electives.....6
Gen. Ed. 2 (MAT 105).....3	Gen. Ed. 4 .....3	Concentration Elective .....3	Free Elective .....3
Gen. Ed. 1C.....3	Gen. Ed 6 .....3	Free Elective .....6	Free Elective .....2
Free Elective .....3	Supporting Course Elective...3	TOTAL .....15	TOTAL .....14
Free Elective .....3	TOTAL .....15		
TOTAL .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. 1B (ENG 102).....3	ENG 302 .....3	ENG 351.....3	ENG 490 (ACCT) .....3
Gen. Ed. 5A .....3	Gen. Ed. 3B.....3	ENG 410.....3	ENG 353.....3
Gen. Ed. 5B .....3	Gen. Ed 4 .....3	Supporting Course Elective...3	Free Elective .....9
Free Elective .....6	Gen. Ed 6 .....3	Free Elective .....6	TOTAL .....15
TOTAL .....15	Concentration Elective .....3	TOTAL .....15	
	TOTAL .....15		

ENGLISH/TEACHING B.A. - ENGLISH CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	Gen. Ed. 4 .....3	ENG 352 or 353 .....3	ENG 474.....3
Gen. Ed. 1A (ENG 101) .....3	ENG 303 .....3	ENG 405 .....3	ENG 510 .....3
Gen. Ed. 2 (MAT 105).....3	EDF 219 .....3	ENG 410.....3	ESE 543.....3
Social & Behavioral (E-5B)....3	CED 200 .....5	British Lit Elective .....3	CED 450.....1
CMS 100 or 210 (E-1C).....3	Gen Ed E-3B .....3	EMS 300W .....3	SED 402.....2
Free Elective .....3	ENG 350 .....3	CED 300 .....5	Free Elective .....2
TOTAL .....16	TOTAL .....15.5	TOTAL .....15.5	TOTAL .....14
			APPLY FOR STUDENT TEACHING
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B).....3	ENG 302 .....3	ENG 440 .....3	CED 499 (ACCT).....9
Science (E-4).....3	ENG 351.....3	American Lit. Elective .....3	EMS 474.....3
EDF 203.....3	Diversity.....3	EDF 413 .....3	TOTAL .....12
SED 104 (E-6).....3	HIS 102 or 103.....3	EMS 490 .....3	
CED 100.....5	EDF 204.....2	CED 400 .....0.5	
Arts (Intro theatre or acting)...3	TOTAL .....14	Literature Elective .....3	
TOTAL .....15.5		TOTAL .....15.5	

LETTERS, ARTS & SOCIAL SCIENCES

ENGLISH B.A. - TECHNICAL WRITING CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 1	ENG 300 or 300S 3	ENG 350 3	ENG 420 3
Gen. Ed. 1A (ENG 101) 3	Gen. Ed. 3A 3	ENG 352..... 3	ENG 474..... 3
Gen. Ed. 2 (MAT 105)..... 3	Gen. Ed. 4 3	ENG 410..... 3	Supporting Course Elective ... 3
Gen. Ed. E-1C..... 3	Gen. Ed 6 3	Supporting Course Elective ... 3	300+ Level Elective 3
Free Elective 3	Free Electives..... 3	Free Elective 3	Free Elective 2
Free Elective 3	TOTAL 15	TOTAL 15	TOTAL 14
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
ENG 102 (E-1B)..... 3	ENG 301 3	ENG 351 3	ENG 491 (ACCT)..... 3
Science (E-5A)..... 3	ENG 302 3	ENG 353..... 3	Supporting Course Elective ... 3
Gen. Ed. E-5B..... 3	Gen. Ed. 3B 3	ENG 400 3	Free Elective 9
Supporting Course Elective..... 3	Gen. Ed 4 3	Supporting Course Elective ... 3	TOTAL 15
Free Elective..... 3	Gen. Ed 6 3	Free Elective 3	
TOTAL..... 15.5	TOTAL 15	TOTAL 15	

DEPARTMENT OF GOVERNMENT AND ECONOMICS

ECONOMICS B.A. - GENERAL CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100H 1	ECO 220 or STA 270 3	ECO 330W 3	ECO 300+ Level Elective..... 3
Gen. Ed. 1A (ENG 101) 3	MAT 211 3	ECO 320..... 3	Supporting Course Elective . 3
Gen. Ed. 5B 3	(fulfills Gen. Ed. 2)	ECO 300+ Level Elective..... 3	300+ Level Free Elective..... 6
(ECO 120 or 130 recommended)	Gen. Ed. 5A 3	Supporting Course Elective . 3	Free Elective 3
Gen. Ed. 3A 3	Gen. Ed. 6 3	Free 300+ Level Elective..... 3	TOTAL 15
Gen. Ed. 4 3	Supporting Course Elective . 3	TOTAL 15	
Free Elective 3	TOTAL 15		
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. 1B (ENG 102) 3	ECO 230..... 3	ECO 331 3	ECO 300+ Level Elective..... 3
Gen. Ed. 3B 3	ECO 231 3	ECO 420 (ACCT) 3	Supporting Course Elective . 3
Gen. Ed. 4 3	Gen. Ed. 6 3	ECO 300+ Level Elective..... 3	300+ Level Free Elective..... 6
Gen. Ed. 1C..... 3	Supporting Course Elective . 3	Supporting Course Elective . 3	Free Elective 2
Free Elective 3	Free Elective 3	300+ Level Free Elective..... 3	TOTAL 14
TOTAL 15	TOTAL 15	TOTAL 15	

ECONOMICS B.A. - APPLIED ECONOMICS CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 1	ECO 220 or STA 270 3	ECO 320..... 3	300+ Level ECO elective 3
Gen. Ed. 1A (ENG 101) 3	Gen. Ed. 5A 3	ECO 330W 3	Approved Elective..... 3
Gen. Ed. 5B 3	Gen. Ed. 6 3	300+ Level ECO Elective..... 3	300+ Level Free Elective..... 6
(ECO 130 recommended)	Approved Elective..... 3	Approved Elective..... 3	Free Elective 3
Gen. Ed. 3A 3	Free Elective 3	300+ Level Free Elective..... 3	TOTAL 15
Gen. Ed. 4 3	(MAT 211 recommended)	TOTAL 15	
Free Elective 3	TOTAL 15		
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. 1B (ENG 102) 3	ECO 230..... 3	ECO 300 3	300+ Level ECO elective 3
MAT 112, 114, or 211 3	ECO 231 3	ECO 331 3	Approved Elective..... 3
(fulfills Gen. Ed. 2)	Gen. Ed. 6 3	ECO 420 (ACCT) 3	300+ Level Free Elective..... 3
Gen. Ed. 3B 3	Approved Elective..... 3	Approved Elective..... 3	Free Elective 3
Gen. Ed. 4 3	300+ Level Free Elective..... 3	300+ Level Free Elective..... 3	Free Elective 2
Gen. Ed. 1C 3	TOTAL 15	TOTAL 15	Total 14
TOTAL 15			

ECONOMICS B.A. - INTERNATIONAL ECONOMICS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 1	ECO 220 or STA 270 3	ECO 320..... 3	300+ Level ECO elective 3
Gen. Ed. 1A (ENG 101) 3	Gen. Ed. 5A 3	ECO 330W 3	Supporting Course Elective or
Gen. Ed. 5B 3	Gen. Ed. 6 3	ECO 395 or 395W 3	Free Elective 3
(ECO 120 or 130 recommended)	Approved Elective..... 3	Supporting Course Elective . 3	300+ Level Free Elective..... 9
Gen. Ed. 3A 3	Free Elective 3	300+ Level Free Elective..... 3	TOTAL 15
Gen. Ed. 4 3	(MAT 211 recommended)	TOTAL 15	
Free Elective 3	TOTAL 15		
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. 1B (ENG 102) 3	ECO 230..... 3	ECO 331 3	300+ Level ECO elective 3
MAT 112, 114, or 211 3	ECO 231 3	ECO 420 (ACCT) 3	Supporting Course Elective or
(fulfills Gen. Ed. 2)	Gen. Ed. 6 3	ECO 394..... 3	Free Elective 3
Gen. Ed. 3B 3	Approved Elective..... 3	Supporting Course Elective . 3	300+ Level Free Elective..... 6
Gen. Ed. 4 3	300+ Level Free Elective..... 3	300+ Level Free Elective..... 3	Free Elective 2
Gen. Ed. 1C 3	TOTAL 15	TOTAL 15	Total 14
TOTAL 15			

GLOBALIZATION AND INTERNATIONAL AFFAIRS B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 1	MAT 112 or higher 3	HIS 370..... 3	300+ Level Free Elective..... 9
Gen. Ed. 1A (ENG 101) 3	(fulfills Gen. Ed. 2)	POL 220 3	Free Elective 6
Foundation Requirement 3	ECO 230..... 3	300+ Level Major Elective .. 6	TOTAL 15
Foreign Language I..... 3	(fulfills Gen. Ed. 5B)	Free Elective 3	
(fulfills Gen. Ed. 6)	Gen. Ed. 4 3	TOTAL 15	
Gen. Ed. 3A 3	Gen. Ed. 1C..... 3		
Free Elective..... 3	Free Elective 3		
TOTAL 16	(Language 3 is recommended)		
	TOTAL 15		
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. 1B (ENG 102) 3	Foundation Requirement ... 3	GEO 322..... 3	GLO 490 (ACCT) 3
Foundation Requirement 3	HIS 147..... 3	ECO 394 3	300+ Level Free Elective..... 6
Foreign Language II 3	(fulfills Gen .Ed. 5A)	300+ Level Major Elective .. 6	Free Elective 3
(fulfills Gen. Ed. 6)	Gen. Ed. 4 3	300+ Level Free Elective..... 3	Free Elective 2
Gen. Ed. 3B 3	Free Elective 3	TOTAL 15	TOTAL 14
Free Elective 3	(Language 4 is recommended)		
(GLO 201 recommended)	Free Elective 3		
TOTAL 15	TOTAL 15		

LETTERS, ARTS & SOCIAL SCIENCES

PARALEGAL SCIENCE B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
ASO 100H.....1	LAS 210.....3	LAS 300 or 300W.....3	LAS 325.....3
Gen. Ed. E-5B (POL 101).....3	ENG 300 or 300S.....3	LAS 350.....3	LAS Elective.....3
Gen. Ed. E-1A (ENG 101).....3	ACC 201.....3	LAS 385.....3	Free Elective.....9
Gen. Ed. E-2.....3	Gen. Ed. E-6.....3	LAS Elective.....3	Total.....15
(MAT 105 or higher)	Free Elective.....3	Free Elective.....3	
Gen. Ed. E-4.....3	Total.....15	Total.....15	
Gen. Ed. E-3A.....3			
Total.....16			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
Gen. Ed. E-5A.....3	LAS 220.....3	LAS 355.....3	LAS 399 (ACCT).....4
(POL 212 recommended)	POL 460, 463 or 464.....3	LAS Elective.....6	LAS 410.....3
Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	Free Elective.....6	Free Elective.....3
(CMS 210 recommended)	Free Elective.....3	Total.....15	(upper division)
Gen. Ed. E-1B (ENG 102).....3	(Explore a Minor)		Free Elective.....3
Gen. Ed. E-4.....3	Free Elective.....3		Free Elective.....1
Gen. Ed. E-3B.....3	Total.....15		Total.....14
Total.....15			

POLITICAL SCIENCE B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
ASO 100.....1	POL 220.....3	POL Diversity Course.....3	POL 300+ Elective.....3
POL 101.....3	POL 250.....3	POL 300+ Elective.....3	Minor Area Elective.....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-1C (CMS 210).....3	Free Elective 300+ level.....3	Free Electives 300+ level.....6
Gen. Ed. E-2 (MAT 105+).....3	Gen. Ed. E-5A.....3	Free Elective.....3	Free Elective.....2
Gen. Ed. E-3A.....3	Gen. Ed. E-4.....3	Free Elective.....3	Total.....14
Gen. Ed. E-6.....3	Total.....15	Total.....15	
Total.....16			
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
POL 212.....3	POL 370 or 374.....3	POL 300+ Electives.....6	POL 400W ACCT.....3
POL 280.....3	Gen. Ed. E-5B.....3	Free Electives 300+ level.....6	Free Electives 300+ level.....6
Gen. Ed. E-1B (ENG 102).....3	Gen. Ed. E-6.....3	Free Elective.....3	Free Electives.....6
Gen. Ed. E-3B.....3	Minor Area Elective.....3	Total.....15	Total.....15
Gen. Ed. E-4.....3	Free Elective.....3		
Total.....15	Total.....15		

POLITICAL SCIENCE B.A. + M.P.A. 3+2 DUAL DEGREE PROGRAM			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100H .....1	POL 220 .....3	POL Diversity Course .....3	POL 400W .....3
POL 101 .....3	POL 250 .....3	POL 300+ Restricted Elective.3	POL 801 .....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-1C (CMS 210) .....3	Free Elective Explore a Minor 6	POL 874 .....3
Gen. Ed. E-2 (MAT 105+).....3	Gen. Ed. E-4.....3	Free Elective 300+ level .....5	Free Elective ACCT .....3
Gen. Ed. E-3A .....3	Gen. Ed. E-6.....3	Total .....17	Free Elective .....3
Free Elective .....3	Free Elective .....3		Total .....15
Total .....16	Total .....18		
Second Semester	Second Semester	Second Semester	Second Semester
POL 212.....3	POL 370 or 374.....3	POL 300+ Restricted Elective.6	POL 877 .....3
POL 280.....3	POL Restricted elective 300+ .3	Free Elective Explore a Minor 6	POL 876 .....3
Gen. Ed. E-1B (ENG 102) .....3	Gen. Ed. E-5B .....3	Free Elective .....3	POL 879 .....3
Gen. Ed. E-3B .....3	Gen. Ed. E-6.....3	POL 765 .....3	Total .....9
Gen. Ed. E-4.....3	Free Elective Explore a Minor.3	Total .....18	
Gen. Ed. E-5A .....3	Free Elective 300+ .....3		
Total .....18	Total .....18		
GRADUATE YEAR	GRADUATE YEAR		
First Semester	Second Semester		
POL 800.....3	POL 870 or 871.....3		
POL 875 .....3	Restricted Elective .....3		
POL 845 .....3	Restricted Elective .....3		
Restricted Elective .....3	Total .....9		
Total .....12			

DEPARTMENT OF HISTORY			
HISTORY B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100H 1	HIS 100, 101, or 147..... 3	HIS 302 (A, B, or C)..... 3	HIS (upper division) Elective 3
HIS 102 3	HIS 290..... 3	(fulfills HIS Area I, II, or III Elec- tive)	HIS 450W (ACCT) 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen Ed. E-3A 3	Area I, II, or III Elective 3	300+ Level Free Elective..... 3
Gen. Ed. E-2 (MAT 105)..... 3	Gen. Ed. E-4..... 3	300+ Level Free Elective..... 6	Free Elective 3
Gen. Ed. E-6..... 3	Gen. Ed. E-5A 3	Free Elective 3	Free Elective 2
Free Elective 3	TOTAL 15	TOTAL 15	TOTAL 14
TOTAL 16			
Second Semester	Second Semester	Second Semester	Second Semester
HIS 103 3	HIS 302 (A, B, or C)..... 3	HIS Area I, II, or III Elective. 6	HIS Area I, II, or III Elective. 3
Gen. Ed. E-1B (ENG 102) 3	(fulfills HIS Area I, II, or III Elec- tive)	300+ Level Free Elective..... 3	300+ Level Free Elective..... 3
Gen. Ed. E-4..... 3	Gen. Ed. E-3B 3	Free Elective 6	Free Elective 9
Gen. Ed. E-1C..... 3	Gen. Ed. E-5B 3	TOTAL 15	TOTAL 15
Gen. Ed. E-6..... 3	300+ Level Free Elective..... 3		
TOTAL 15	Free Elective 3		
	TOTAL 15		

HISTORY/TEACHING B.A.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100H .....1	EDF 203 .....3	EMS 300W .....3	ESE 549 (fall only).....3
HIS 102 .....3	CED 100 .....0.5	CED 300 .....0.5	CED 450(fall only).....1
ANT 120 or SOC 131 .....3	HIS 101 or 147.....3	POL 101 (fulfill Gen. Ed. 5B) ..3	SED 402 .....3
(fulfills Gen. Ed. 5A, and 5B)	HIS 290.....3	HIS 302 A, B, or C .....3	HIS 450W (ACCT).....3
Gen. Ed. E-1A (ENG 101).....3	PSY 200 .....3	(fulfills HIS Area I, II, or III	GEO 100 (Gen. Ed. E-5B).....3
Gen. Ed. E-4.....3	ECO 120, 130, 230 or 231.....3	Elective)	Gen. Ed. E-6.....3
Free Elective .....3	Gen. Ed. E-3B .....3	HIS Area I, II, or III Elective..3	TOTAL .....15
TOTAL .....16	TOTAL .....18.5	Gen. Ed. E-3A .....3	
	30 hrs complete + apply to	TOTAL .....15.5	APPLY FOR STUDENT
	professional education program		TEACHING
Second Semester	Second Semester	Second Semester	Second Semester
HIS 103 .....3	EDF 204 .....2	EDF 413 .....3	CED 499.....9
SED 104 .....3	EDF 219 or 219W.....3	EMS 490 (spring only) .....3	EMS 474.....3
(fulfills Gen. Ed. E-6)	CED 200 .....0.5	CED 400 .....0.5	TOTAL .....12
Gen. Ed. E-1B (ENG 102) .....3	HIS 302 A, B, or C .....3	HIS Area I, II, or III Elective..6	
Gen. Ed. E-1C.....3	HIS Area I, II, or III elective ..3	POL 212 or 220.....3	
Gen. Ed. E-2 (MAT 105).....3	Gen. Ed. E-4.....3	TOTAL .....15.5	
TOTAL .....15	TOTAL .....14.5		

HISTORY B.A. + M.A. 3+2 DUAL DEGREE PROGRAM			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100H .....1	HIS 100, 101, or 147.....3	HIS 302 (A, B, or C).....3	HIS 800 .....3
HIS 102 .....3	HIS 290.....3	(fulfills HIS Area I, II, or III Elec-	HIS 802 (ACCT) .....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A .....3	tive)	300+ Level Free Elective.....3
Gen. Ed. E-2 (MAT 105).....3	Gen. Ed. E-4.....3	Area I, II, or III Elective .....3	Free Elective .....3
Gen. Ed. E-6.....3	Gen. Ed. E-5A .....3	300+ Level Free Elective.....6	Free Elective .....2
Free Elective .....3	TOTAL .....15	Free Elective .....3	TOTAL .....14
TOTAL .....16		TOTAL .....15	
Second Semester	Second Semester	Second Semester	Second Semester
HIS 103 .....3	HIS 302 (A, B, or C).....3	HIS Area I, II, or III Elective.6	HIS 860.....3
Gen. Ed. E-1B (ENG 102) .....3	(fulfills HIS Area I, II, or III Elec-	300+ Level Free Elective.....3	HIS Area I, II, or III Elective.3
Gen. Ed. E-4.....3	tive)	Free Elective .....6	Free Elective .....9
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	TOTAL .....15	TOTAL .....15
Gen. Ed. E-6.....3	Gen. Ed. E-5B .....3		
TOTAL .....15	300+ Level Free Elective.....3		
	Free Elective .....3		
	TOTAL .....15		
GRADUATE YEAR	GRADUATE YEAR		
First Semester	Second Semester		
American HIS Requirement...3	American HIS Requirement...3		
European HIS Requirement...3	European HIS Requirement...3		
Asian, African or Latin America	Thesis Hours (Thesis Option) OR		
HIS Requirement.....3	Asian, African or Latin America		
HIS Elective.....3	HIS Requirement (Non-Thesis		
TOTAL.....12	Option).....3		
	HIS Elective (NON_THESIS OP-		
	TION ONLY).....3		
	TOTAL.....12		

DEPARTMENT OF LANGUAGES, CULTURES AND HUMANITIES

SPANISH B.A.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	SPA 202 or 205.....3	SPA 301.....3	SPA 300+ Level Electives.....6
Gen. Ed. E-6 (SPA 102 or 105) 3	Gen. Ed. E-4.....3	SPA 360 .....3	Free Electives 300+ level .....6
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-5A .....3	SPA Elective 300+ level.....3	Free Elective .....3
Gen. Ed. E-2.....3	Gen. Ed. E-5B .....3	Free Elective 300+ level.....3	Total .....15
Gen. Ed. E-1C.....3	Free Elective .....3	Free Elective .....3	
Gen. Ed. 3A.....3	Total .....15	Total .....15	
Total .....16			
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-6 (SPA 201) .....3	SPA 206 .....3	SPA 312S .....3	SPA 300+ level Elective.....3
Gen. Ed. E-1B (ENG 102) .....3	Free Electives.....12	SPA 300+ Level Elective .....3	Free Elective 300+ level.....3
Gen. Ed. E-3B .....3	Total .....15	Free Elective 300+ level.....6	Free Electives.....8
Gen. Ed. E-4.....3		Free Elective .....3	Total .....14
Free Elective .....3		Total .....15	
Total .....15			

SPANISH/TEACHING B.A.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100 .....1	SPA 202 .....3	EDF 204 .....2	SED 402 .....2
Gen. Ed. E-6 (SPA 102 or 105) 3	Gen. Ed. E-4.....3	EMS 300W .....3	CED 450.....1
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3A .....3	CED 300 .....0.5	ESE 543.....3
Gen. Ed. E-2.....3	Gen. Ed. E-5A .....3	SPA 301.....3	EME 442 .....3
Gen. Ed. E-1C.....3	Gen. Ed. E-5B .....3	SPA Elective 300+ level.....3	SPA 360 .....3
Free Elective .....3	Total .....15	SPA Elective.....3	SPA 405, 406, or 407.....3
Total .....16		Total .....14.5	Free Elective .....2
			Total .....17
Second Semester	Second Semester	Second Semester	Second Semester
EDF 203 .....3	EDF 219 .....3	EDF 413 .....3	CED 499.....9
CED 100 .....0.5	CED 200 .....0.5	EME 490 .....3	EMS 474.....3
SED 104 .....3	SPA 206 .....3	CED 400 .....0.5	Total .....12
Gen. Ed. E-6 (SPA 201 or 205)3	Gen. Ed. E-4.....3	SPA 321S .....3	
Gen. Ed. E-1B (ENG 102) .....3	Free Elective .....3	SPA 381.....3	
Gen. Ed. E-3B	Free Elective .....3	SPA Elective 300+ level.....3	
(FCC 226).....3	Total .....15.5	Free Elective .....2	
Total .....15.5		Total .....17.5	

EKU SCHOOL OF MUSIC

MUSIC B.M. MUSIC EDUCATION/INSTRUMENTAL CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100M.....	1	MUS 101.....	0	CED 300.....	0.5	CED 450.....	1
MUS 101.....	0	MUS 210.....	0-1	EDC 300.....	3	MUE 579.....	3
MUS 110 or 114.....	1-2	MUS 230.....	0-1	EMS 300W.....	1	MUS 383.....	1
MUS 161.....	1	MUS 251A.....	0-0.5	MUH 371.....	3	MUS 399.....	1
MUS 181.....	3	MUS 251B.....	0-0.5	MUS 101.....	0	MUS 480.....	3
MUS 100 level Applied.....	1	MUS 261.....	1	MUS 351A.....	0-0.5	MUS 400 Level Applied.....	1
MUS 235, 255A, or 256 (Ensemble).....	1	MUS 281.....	3	MUS 351B.....	0-0.5	MUS 435, 455A, 455B, or 256 (Ensemble).....	1
Gen. Ed. 1A (ENG 101).....	3	MUS 200 Level Applied.....	1	MUS 364.....	1	Gen. Ed. E-4.....	3
Gen. Ed. E-6.....	3	MUS 235, 255A, or 256 (Ensemble).....	1	MUS 366.....	1	Gen. Ed. E-5B.....	3
Gen. Ed. E-1C(CMS100 or 210).....	3	SED 104 (Gen. Ed. E-6).....	3	MUS 384.....	2	Total.....	19
Total.....	17-18	Gen. Ed. E-2 (MAT 105).....	3	MUS 300 Level Applied.....	1		
		Gen. Ed. E-4.....	3	MUS 435, 455A, 455B, or 256 (Ensemble).....	1		
		Total.....	16-18	Total.....	13.5- 14.5		
Second Semester		Second Semester		Second Semester		Second Semester	
EDF 203.....	3	CED 200.....	0	CED 400.....	0.5	CED 499 (ACCT).....	9
CED 100.....	0	EDF 219.....	3	EDF 413.....	2	EMS 474.....	3
MUS 101.....	0	MUS 101.....	0	EMS 490.....	1	Total.....	12
MUS 111 or 115.....	1-2	MUS 211.....	0-1	MUE 378.....	3		
MUS 162.....	1	MUS 252A.....	0-0.5	MUS 101.....	0		
MUS 182.....	3	MUS 252B.....	0-0.5	MUS 320.....	1		
MUS 100 Level Applied.....	1	MUS 262.....	1	MUS 352A.....	0.5		
MUS 235, 255A, or 255B (Ensemble).....	1	MUS 282.....	3	MUS 352B.....	0.5		
Gen. Ed. E-1B (ENG 102).....	3	MUS 200 Level Applied.....	1	MUS 354.....	0-1		
Gen Ed. E-3B.....	3	MUS 235 or 255A, (Ensemble).....	1	MUS 365.....	1		
Total.....	16-17	MUS 330.....	1	MUS 367.....	2		
		Gen. Ed. E-5A.....	3	MUS 300 Level Applied.....	1		
		Gen. Ed. E-3A.....	3	MUS 435, 455A, or 455B (Ensemble).....	1		
		Total.....	16-18	Total.....	16.5- 17.5		

MUSIC B.M. MUSIC INDUSTRY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100.....	1	MUS 101.....	0	MUH 371.....	3	MUS 383,481, or 285.....	3
MUS 101.....	0	MUS 191.....	2	MUS 101.....	0	MUS 399.....	1
MUS 110 or 114.....	1-2	MUS 210.....	0-1	MUS 366.....	1	MUS 449.....	1
MUS 161.....	1	MUS 261.....	1	MUS 300.....	0	MUS 480.....	3
MUS 181.....	3	MUS 281.....	3	MUS 390.....	3	MUS 400 Level (Applied).....	1
MUS 100 Level (Applied) ...	1	MUS 200 Level (Applied).....	1	MUS 300 Level (Applied).....	1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble).....	1
MUS 224, 225, 226, 235, 255A, 255B, or 256 Ensemble.....	1	MUS 224, 225, 226, 235, 255A, 255B, or 256 Ensemble.....	1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble).....	1	Business Elective.....	3
MUS or MUH Electives.....	1	MUS or MUH Electives.....	1	Business Elective.....	3	Gen Ed 5B.....	3
Gen. Ed. E-1A (ENG 101).....	3	Business Elective.....	3	Gen Ed E-3B.....	3	(Writing Intensive)	
Gen. Ed. E-1C.....	3	Gen. Ed. E-3B.....	3	(Writing Intensive)		Total.....	16
Total.....	15-16	Total.....	15-16	Total.....	15		
Second Semester		Second Semester		Second Semester		Second Semester	
MUS 101.....	0	MUS 101.....	0	MUH 372.....	3	MUS 349 (ACCT).....	4
MUS 111 or 115.....	1-2	MUS 211.....	0-1	MUS 101.....	0	MUS 449.....	1
MUS 162.....	1	MUH 262.....	1	MUS 391.....	3	MUS or MUH Elective.....	3
MUS 182.....	3	MUS 282.....	3	MUS 300 Level (Applied).....	1	Gen Ed 5A.....	3
MUS 190.....	2	MUS 200 Level (Applied).....	1	MUS 391.....	3	(Writing Intensive)	
MUS 100 Level (Applied).....	1	MUS 224, 225, 226, 235, 255A, or 255B Ensemble.....	1	MUS 424, 425, 426, 435, 455A, or 455B (Ensemble).....	1	Gen. Ed. E-6.....	3
MUS 224, 225, 226, 235, 255A, or 255B Ensemble.....	1	MUS 290.....	2	Gen Ed E-4.....	3	Total.....	14
MUS or MUH Electives.....	1	MUS/MUH Elective.....	1	Total.....	14		
Gen. Ed. E-1B (ENG 102).....	3	Gen. Ed. E-3A.....	3				
Gen. Ed. E-2 (MAT 105).....	3	Gen Ed 4.....	3				
Total.....	16-17	Total.....	15-16				

LETTERS, ARTS &
SOCIAL SCIENCES

MUSIC B.M. MUSIC EDUCATION/VOCAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101..... 0	CED 300 0.5	CED 450..... 1
MUS 101..... 0	MUS 210 0-1	EDC 300.....3	MUE 579.....3
MUS 110 or 114 1-2	MUS 230 1	EMS 300W 1	MUS 383..... 3
MUS 161..... 1	MUS 251A 0-0.5	MUH 371 3	MUS 399.....1
MUS 181..... 3	MUS 251B 0-0.5	MUS 101..... 0	MUS 480..... 3
MUS Level Applied..... 1	MUS 261..... 1	MUS 313.....1	MUS 400 Level Applied 1
MUS 224, 225, or 226 (Ensemble)..... 1	MUS 281 3	MUS 351A 0.5	MUS 424, 425, or 426 (Ensemble)..... 1
Gen. Ed. 1C CMS 100 or 210 3	MUS 200 Level Applied 1	MUS 351B.....0.5	MUS 313..... 1
Gen. Ed. E-3B 3	MUS 224, 225, or 226 (Ensemble)..... 1	MUS 364.....1	Gen. Ed. E-6..... 3
Total 17-18	Gen. Ed. E-4 3	MUS 384..... 2	Total 19
	Gen. Ed. E-5A 3	MUS 300 Level Applied 1	
	SED 104 (Gen. Ed. E-6).....3	MUS 424, 425, or 426 (Ensemble).....1	
	Total 17-18	Total 15.5	
Second Semester	Second Semester	Second Semester	Second Semester
CED 100 0	CED 200 0	EDF 413 2	CED 499 (ACCT)..... 9
EDF 203 3	EDF 219.....3	CED 400 0.5	EMS 474..... 3
MUS 101..... 0	MUS 101..... 0	EMS 490 1	Total 12
MUS 111 or 115 1-2	MUS 211 0-1	MUE 378 3	
MUS 162..... 1	MUS 220.....1	MUH 372.....3	
MUS 182 3	MUS 262 1	MUS 101..... 0	
MUS 100 Level Applied 1	MUS 282 3	MUS 313..... 1	
MUS 224, 225, or 226 (Ensemble)..... 1	MUS 200 Level Applied 1	MUS 354 1	
MUS 220 1	MUS 224, 225, or 226 (Ensemble)..... 1	MUS 364 1	
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-5B 3	MUS 368 2	
Gen. Ed. E-2 (MAT 105) 3	Total 16-17	MUS 300 Level Applied 1	
Total.....16-17		(Ensemble)..... 1	
		Total 16.5	

MUSIC B.M. MUSIC INDUSTRY/RECORDING ARTS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101..... 0	MUH 371 3	MUS 383, 481, or 285..... 3
MUS 101..... 0	MUS 191 2	MUS 101..... 0	MUS 392 2
MUS 110 or 114 1-2	MUS 210 0-1	MUS 292 2	MUS 449.....1
MUS 161..... 1	MUS 261..... 1	MUS 366 1	MUS 480..... 3
MUS 181..... 3	MUS 281 3	MUS 300 Level (Applied).... 1	MUS 492.....1
MUS 100 Level (Applied) ... 1	MUS 200 Level (Applied).... 1	MUS 390 3	MUS 400 Level Applied 1
MUS 224, 225,226, 235,255A, 255B, or 256 (Ensemble) 1	MUS 224, 225,226, 235,255A, 255B, or 256 (Ensemble) 1	MUS 424, 455, 426, 455A, 455B, 435, or 256 (Ensemble) 1	MUS 424, 455, 426, 455A, 455B, 435, or 256 (Ensemble) 1
Gen. Ed. E-1A (ENG 101)..... 3	Business Elective 3	Business Elective 3	Business Elective 3
Gen. Ed. E-1C..... 3	Gen. Ed. E-6..... 3	Gen Ed E-3B 3	Total 15
Total 14-15	Total 14-15	(Writing Intensive) Total 17	
Second Semester	Second Semester	Second Semester	Second Semester
MUS 101..... 0	MUS 101..... 0	MUH 372 3	MUS 349 (ACCT)..... 3
MUS 111 or 115 1-2	MUS 192..... 2	MUS 101..... 0	MUS 399 1
MUS 162..... 1	MUS 211 1	MUS 300 0	MUS 449.....1
MUS 182 3	MUS 262 1	MUS 384 2	MUS 492..... 1
MUS 100 Level (Applied) 1	MUS 282 3	MUS 300 Level Applied 1	Gen. Ed. E-5A 3
MUS 190 2	MUS 290 2	MUS 391..... 3	Gen. Ed. E-5B..... 3
MUS 224, 225,226, 235,255A, 255B, or 256 (Ensemble) 1	MUS 200 Level (Applied).... 1	MUS 424, 455, 426, 455A, 455B, 435, or 256 (Ensemble) 1	Gen. Ed. E-4 3
Gen. Ed. E-1B (ENG 102) 3	MUS 224, 225, 226, 235, 255A, 255B, or 256(Ensemble)..... 1	Gen Ed E-5A 3	Total 15
Gen. Ed. E-2 (MAT 105) 3	MUS 192..... 2	Total 16	
Total 15-16	Gen Ed 3A..... 3		
	Total 16		

MUSIC B.M. MUSIC/THEORY AND COMPOSITION CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101..... 0	MUH 371 3	MUS 483 2
MUS 101..... 0	MUS 210 0-1	MUS 101..... 0	MUS 400 Level Applied 1
MUS 110 or 114 1-2	MUS 261..... 1	MUS 366 1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble) 1
MUS 161..... 1	MUS 281 3	MUS 300 Level (Applied).... 1	MUS 555 0-3
MUS 181..... 3	MUS 283 1	MUS 285, 383, or 481 (MUS 383 recommended)..... 3	MUS Elective 2
MUS 100 Level Applied..... 1	MUS 200 Level (Applied).... 1	MUS 384 2	Gen Ed E-5A 3
MUS 224, 225, 226, 235, 255A, 255B, or 256 (Ensemble).... 1	MUS 224, 225, 226, 235, 255A, 255B, or 256 (Ensemble).... 1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble) 1	Gen. Ed. E-5B 3
MUS Elective 1	Gen. Ed. E-1C..... 3	MUS 480..... 3	Free Elective 0-3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-6..... 3	MUS 483 2	Total 15
Total 12-13	Total 13-14	Total 16	
Second Semester	Second Semester	Second Semester	Second Semester
MUS 101..... 0	MUS 101..... 0	MUH 372 3	MUS 483 2
MUS 111 or 115 1-2	MUS 211 0-1	MUS 101..... 0	MUS 499 (ACCT)..... 2
MUS 162..... 1	MUS 262 1	MUS 300 Level Applied 1	MUS 400 Level Applied 1
MUS 182 3	MUS 282 3	MUS 399 1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble).... 1
MUS 100 Level (Applied).... 1	MUS 283 1	MUS 424, 425, 426, 435, 455A, 455B, or 256 (Ensemble).... 1	MUS 556 (if MUS 555 was not taken)..... 0-3
MUS 224, 225, 226, 235, 255A, 255B, or 256 (Ensemble).... 1	MUS 200 Level (Applied).... 1	MUS Theory Elective (MUH 481 recommended)..... 3	Gen. Ed. E-3B 3
Gen. Ed. E-1B (ENG 102) 3	MUS 224, 225, 226, 235, 255A, 255B, or 256 (Ensemble).... 1	MUS 482 2	MUS Elective 2
Gen. Ed. E-2 (MAT 105) 3	Gen Ed E-3A 3	MUS 483 2	Free Elective 0-3
Gen. Ed. E-6 (World Language) 3	Gen Ed E-4..... 3	MUS 483 2	Total 14
Total 16-17	Total 13-14	Gen Ed E-4..... 3	
		Total 16	

MUSIC B.M. PERFORMANCE/INSTRUMENTAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101..... 0	MUH 371 3	MUS 480..... 3
MUS 101..... 0	MUS 210 0-1	MUS 101..... 0	MUS 400 Level Applied 4
MUS 110 or 114 1-2	MUS 261..... 1	MUS 366 1	MUS 435, 455A, 455B, or 256 (Ensemble)
MUS 161..... 1	MUS 281 3	MUS 285, 383, or 481..... 3	..... 1
MUS 181..... 3	MUS 200 Level (Applied).... 2	MUS 300 Level (Applied).... 4	MUS 550 2
MUS 100 Level (Applied) ... 2	MUS 235, 255A, 255B, or 256 (Ensemble)..... 1	MUS 435, 455A, 455B, or 256 (Ensemble)..... 1	MUS History Elective 3
MUS 235, 255A, 255B, or 256 (Ensemble)..... 1	Gen. Ed. E-2 (MAT 105) 3	Gen. Ed. E-4..... 3	Gen. Ed. E-5A 3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-6..... 3	Total 15	Total 16
Gen. Ed. E-5B..... 3	Total 13-14		
Total 15-16			
Second Semester	Second Semester	Second Semester	Second Semester
MUS 101..... 0	MUS 101..... 0	MUH 372 3	MUS 499 (ACCT)..... 1
MUS 111 or 115 1-2	MUS 211 0-1	MUS 101..... 0	MUS 400 Level Applied 4
MUS 162..... 1	MUS 262 1	MUS 367 2	MUS 435, 455A, 455B, or 256 (Ensemble)
MUS 182 3	MUS 282 3	MUS 384 2	..... 1
MUS 100 Level (Applied).... 2	MUS 200 Level (Applied).... 2	MUS 300 Level Applied 4	MUS 551..... 2
MUS 235, 255A, 255B, or 256 (Ensemble)..... 1	MUS 235, 255A, 255B, or 256 (Ensemble)..... 1	MUS 399 1	MUS Theory Elective 3
Gen. Ed. E-1B (ENG 102) 3	Gen Ed E-3A 3	MUS 435, 455A, 455B, or 256 (Ensemble)..... 1	(400 or 500 Level)
Gen. Ed. E-6..... 3	Gen Ed E-1C..... 3	Gen Ed E-4..... 3	Gen. Ed. E-3B 3
Total 14-15	Total 13-14	Total 16	Total 14

LETTERS, ARTS &
SOCIAL SCIENCES

MUSIC B.M. PERFORMANCE/PIANO PEDAGOGY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101..... 0	MUH 371 3	MUS 355.....1
MUS 101..... 0	MUS 212..... 2	MUS 101..... 0	MUS 412..... 2
MUS 114 2	MUS 261..... 1	MUS 285, 383, or 481..... 3	MUS 480..... 3
MUS 161..... 1	MUS 281 3	MUS 312..... 2	MUS 513.....1
MUS 181..... 3	MUS 299.....1	MUS 366 1	MUS 550 2
MUS 112 2	MUS 224, 225, 226, 235, 255A,	MUS 451.....1	MUS 424, 425, 526, 435, 455A,
MUS 224, 225, 226, 235, 255A,	255B, 256, or 313.....1	MUS 424, 425, 526, 435, 455A,	455B, 256, or 313.....1
255B, 256, or 313 1	Gen. Ed. E-2 (MAT 105) 3	455B, 256, or 313.....1	MUS History Elective 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-6..... 3	Gen. Ed. E-4..... 3	Gen. Ed. E-5A 3
Total 13	Total 14	Total 14	Total 16
Second Semester	Second Semester	Second Semester	Second Semester
MUS 101..... 0	MUS 101..... 0	MUH 372 3	MUS 412..... 2
MUS 112 2	MUS 212..... 2	MUS 101..... 0	MUS 448.....1
MUS 115 2	MUS 262 1	MUS 312..... 2	MUS 499 (ACCT) .....1
MUS 162..... 1	MUS 282 3	MUS 348.....1	MUS 551 2
MUS 182 3	MUS 303.....1	MUS 367 2	MUS 424, 425, 526, 435, 455A,
MUS 201.....1	256, 226, 235, or 313 1	MUS 384..... 2	455B, 256, or 313.....1
MUS 224, 225, 226, 235, 255A,	Gen. Ed. E-3A.....3	MUS 399 1	MUS Theory Elective..... 3
255B, 256, or 313 1	Ed E-1C 3	MUS 424, 425, 526, 435, 455A,	(400 or 500 Level)
Gen. Ed. E-1B (ENG 102) 3	Total 14	455B, 256, or 313.....1	Gen. Ed. E-3B 3
Gen. Ed. E-6..... 3	Ed E-1C 3	Gen Ed E-4..... 3	Gen. Ed. E-5B 3
Total 16	Total 15	Total 15	Total 16

MUSIC B.M. PERFORMANCE/VOCAL PEDAGOGY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100M..... 1	MUS 101 0	MUH 371 3	MUS 355 1
MUS 101..... 0	MUS 210 0-1	MUS 101 0	MUS 422 2
MUS 110 or 114 1-2	MUS 221 1	MUS 285, 383, or 481..... 3	MUS 480..... 3
MUS 122..... 2	MUS 222 2	MUS 322 2	MUS 550.....1
MUS 161 1	MUS 261..... 1	MUS 366 2	MUS 445, 446, 447 (Ensemble)
MUS 181 3	MUS 281 3	MUS 452.....1	.....1
MUS 225, 226, or 227	MUS 225, 226, or 227	MUS 445, 446, 447 (Ensemble)	MUS History Elective.....3
(Ensemble)..... 1	(Ensemble)..... 1	.....1	Gen. Ed. E-5A 3
Gen. Ed. E-1A (ENG 101)..... 3	MUS 299.....1	Gen. Ed. E-4..... 3	Gen. Ed. E-5B 3
Total 12-13	Gen. Ed. E-2 (MAT 105) 3	Total 14	Total 17
	Gen. Ed. E-6..... 3		
	Total 15-16		
Second Semester	Second Semester	Second Semester	Second Semester
MUS 101 0	MUS 101 0	MUH 372 3	MUS 422 .....2
MUS 111 or 115 1-2	MUS 211 0-1	MUS 101 0	MUS 448.....1
MUS 122.....2	MUS 222 2	MUS 348 1	MUS 499 1
MUS 162..... 1	MUS 262 1	MUS 368 2	MUS 551 1
MUS 182 3	MUS 282 3	MUS 384 2	MUS 445, 446, 447 (Ensemble)
MUS 202.....1	MUS 225, 226, or 227	MUS 322.....2	.....1
MUS 225, 226, or 227	(Ensemble)..... 1	MUS 399 1	MUS Theory Elective 3
(Ensemble)..... 1	MUS 303.....1	MUS 445, 446, 447 (Ensemble)	Gen Ed E-3B 3
MUS 220 1	Gen Ed E-3A..... 3	.....1	Total 13
Gen. Ed. E-1B (ENG 102) 3	Gen Ed E-1C..... 3	Gen Ed E-4..... 3	
Gen. Ed. E-6(World	Total 14-15	Total 15	
Language)..... 3			
Total 16-17			

LETTERS, ARTS & SOCIAL SCIENCES

MUSIC B.M. PERFORMANCE/VOCAL CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
ASO 100M.....	1	MUS 101	0	MUH 371	3	MUS 480.....	3
MUS 101.....	0	MUS 210	0-1	MUS 101	0	MUS 400 Level Applied	4
MUS 110 or 114	1-2	MUS 221	1	MUS 285, 383, or 481.....	3	MUS 424, 425, or 426 (Ensemble)	
MUS 161.....	1	MUS 261.....	1	MUS 366	1	.....	1
MUS 181.....	3	MUS 281	3	MUS 300 Level Applied.....	4	MUS 550	1
MUS 100 Level Applied.....	2	MUS 200 Level Applied	2	MUS 424, 425, or 426 (Ensemble)		MUS History Elective	
MUS 224, 225, or 226 (Ensemble)		MUS 224, 225, or 226 (Ensemble)		.....	1	(MUS 556 recommended)	3
.....	1	.....	1	Gen. Ed. E-4.....	3	Gen. Ed. E-5B	3
Gen. Ed. E-1A (ENG 101).....	3	Gen. Ed. E-2 (MAT 105)	3	Total	15	Total	15
Gen. Ed. E-1C	3	Gen. Ed. E-6 (Foreign Language)					
Total	15-16	.....	3				
		Total	14-15				
Second Semester		Second Semester		Second Semester		Second Semester	
MUS 101.....	0	MUS 101	0	MUH 372	3	MUS 499 (ACCT)	1
MUS 111 or 115	1-2	MUS 211	0-1	MUS 101	0	MUS 400 Level Applied	4
MUS 162.....	1	MUS 262	1	MUS 368	2	MUS 424, 425, or 426 (Ensemble)	
MUS 182	3	MUS 282	3	MUS 384	2	.....	1
MUS 100 Level Applied.....	2	MUS 200 Level Applied	2	MUS 399	1	MUS 551	1
MUS 224, 225, or 226 (Ensemble)		MUS 224, 225, or 226 (Ensemble)		MUS 300 Level Applied	4	MUS Theory Elective	3
.....	1	.....	1	MUS 424, 425, or 426 (Ensemble)		(400 or 500 Level)	
MUS 220	1	Gen. Ed. E-3A	3	.....	1	Gen. Ed. E-3B	3
Gen. Ed. E-1B (ENG 102)	3	Total	13-14	Gen Ed E-4.....	3	Total	13
Gen. Ed. E-5A.....	3			Total	16		
Total	15-16						

DEPARTMENT OF PHILOSOPHY AND RELIGION

PHILOSOPHY B.A.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
ASO 100L..... 1	Gen. Ed. E-3B 3	PHI 330..... 3	PHI 499 (ACCT) 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-4..... 3	PHI 350 or 352 3	PHI Elective 3
Gen. Ed. E-2 (MAT 105)..... 3	Gen. Ed. E-5A 3	Free Elective 6	(upper division)
PHI 100..... 3	Gen. Ed. E-6..... 3	(upper division)	Free Elective 3
PHI 110 3	PHI 300 3	Free Elective 3	(upper division)
Free Elective 3	Total 15	Total 15	Free Elective 6
Total 16			Total 15
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-4 (Nat. Sci.) 3	PHI 371 3	PHI Elective 3
Gen. Ed. E-1C (Oral Comm.) .3	Gen. Ed. E-5B 3	PHI Elective 3	(upper division)
Gen. Ed. E-3A (Arts)..... 3	(Soc. & Behav. Sci.)	(upper division)	Free Elective 9
PHI 130 or 130S..... 3	Gen. Ed. E-6 (Diversity) 3	Free Elective 6	Free Elective 2
Free Elective 3	PHI 320..... 3	(upper division)	Total 14
Total 15	Free Elective 3	Free Elective 3	
	Total 15	Total 15	

DEPARTMENT OF PSYCHOLOGY

ANIMAL STUDIES B.S.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	AGR 125(fall only) 3	SOC 300..... 3	Applied Learning (ANS 349 recommended)..... 3
ANS 200..... 3	ANS 310, 497, or relevant arts or humanities 3	PSY 333..... 3	Restricted Electives 3
Gen. Ed. E-5B (ANT 120) 3	BIO 319 4	Gen. Ed E-6..... 3	Free Electives..... 9
Gen. Ed. E-1A(ENG 101)..... 3	Gen. Ed. E-3A 3	Free Electives..... 6	Total 15
Gen. Ed. E-2..... 3	Gen. Ed. E-5A 3	Total 15	
Total 15	Total 16		
Second Semester	Second Semester	Second Semester	Second Semester
ANS 320..... 3	ANT 370..... 3	LGS 306 or WLD 380..... 3	ANS 400 or PSY 401..... 3
Gen. Ed. E-4(ANT 201) 3	BIO 316 or 550..... 4	ANT 306 or 371..... 4	Restricted Electives 3
Gen. Ed. E-4 (BIO 112)..... 4	PHI 381 3	Restricted Electives 3	Free Electives..... 6
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B 3	Gen. Ed E-6..... 3	Total 12
Gen. Ed. E-1C..... 3	Free Elective 3	Free Electives..... 3	
Total 16	Total 16	Total 15	

PSYCHOLOGY B.S. - GENERAL CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY Elective 400+ level..... 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 9
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	Total 15
Free Elective..... 3	Free Elective 2	Total 15	
Total 15	Total 15		
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W..... 3	PSY 310 3	Cognition/Learning Elective 3	PSY Electives 300+ level..... 6
Social/Personality Elective.. 3	PSY 258..... 3	..... 3	PSY 499..... 0
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B (Humanities)3	Skills Elective..... 3	Free Elective 9
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Total 15
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective (PSY 349 recommended)..... 3	
Total 15	Total 15	Free Elective 3	
		Total 15	

PSYCHOLOGY B.S. - AUTISM SPECTRUM DISORDERS CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY 312 3	PSY 406..... 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	300+ level Free Elective 3
Free Elective.....3	Free Elective 2	Total 15	Free Elective 3
Total 15	Total 15		Total 15
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 408 3
PSY 308 3	PSY 258..... 3	..... 3	PSY 477 or 577 3
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B (Humanities)3	Skills Elective..... 3	PSY 499..... 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Free Elective 9
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective (PSY 349 recommended)..... 3	Total 15
Total 15	Total 15	Free Elective 3	
		Total 15	

PSYCHOLOGY B.S. - BRAIN AND COGNITIVE SCIENCES CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	PSY 311..... 3	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY 315 3	PSY 413 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	Restricted Elective..... 3-4
Free Elective .....3	Free Elective 1-2	Total 15	Free Elective 3
Total 15	Total 14-15		Total 15-16
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 317..... 3
Social/Personality Elective.. 3	PSY 258..... 3	..... 3	PSY 499..... 3
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B (Humanities)3	Skills Elective..... 3	PSY Elective 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Free Elective 9
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective (PSY 349 recommended)..... 3	Total 15
Total 15	Total 15	Free Elective 3	
		Total 15	

PSYCHOLOGY B.S. - CHILD AND FAMILY PSYCHOLOGY CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3	Capstone Elective (ACCT) ... 3
PSY 200 3	PSY 312 3	PSY 314 3	PSY 318, 321 or 377 3
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	300+ level Free Elective 3
Free Elective .....3	Free Elective 2	Total 15	Free Elective 3
Total 15	Total 15		Total 15
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 405..... 3
Social/Personality Elective.. 3	PSY 258..... 3	..... 3	PSY 408 3
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B (Humanities)3	Skills Elective PSY 406..... 3	PSY 499..... 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Free Elective 9
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective (PSY 349 recommended)..... 3	Total 15
Total 15	Total 15	Free Elective 3	
		Total 15	

LETTERS, ARTS & SOCIAL SCIENCES

PSYCHOLOGY B.S. - FORENSIC PSYCHOLOGY CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY 300 3	PSY 305..... 3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	300+ level Free Elective 3
Free Elective 3	Free Elective 2	Total 15	Free Elective 3
Total 15	Total 15		Total 15
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 314 3
PSY 308 3	PSY 258..... 3	..... 3	PSY 466..... 3
Gen. Ed. E-1B (ENG 102) ... 3	Gen. Ed. E-3B (Humanities)3	Skills Elective..... 3	PSY 499..... 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Free Elective 9
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective (PSY 349 recommended) 3	Total 15
Total 15	Total 15	Free Elective 3	
		Total 15	

PSYCHOLOGY B.S. - PSYCHIATRIC REHABILITATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3-4	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY 337 3	PSY 429..... 3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	Free Elective 300+ level 3
Free Elective 3	Free Elective 0-2	Total 15	Free Elective 3
Total 15	Total 13-15		Total 15
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 349 or 403 3
PSY 308 3	PSY 258..... 3	..... 3	PSY 499..... 0
Gen. Ed. E-1B (ENG 102) ... 3	Gen. Ed. E-3B (Humanities)3	PSY 405..... 3	Free Electives..... 12
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	PSY 437 3	Total 15
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Gen. Ed. E-6 (Diversity) 3	
Total 15	Total 15	Free Elective 300+ level 3	
		Total 15	

PSYCHOLOGY B.S. - PSYCHOLOGY OF THE WORKPLACE CONCENTRATION

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
GSD 101..... 3	PSY 309 or PSY 309W..... 4	Biological Bases Elective 3	Capstone Elective (ACCT) ... 3
PSY 200 3	PSY 314 or 316 3	PSY 300 3	PSY 305..... 3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	Free Elective 300+ level 3
Free Elective 3	Free Elective 0-2	Total 15	Free Elective 3
Total 15	Total 13-15		Total 15
Second Semester	Second Semester	Second Semester	Second Semester
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 319 3
PSY 308 3	PSY 258..... 3	..... 3	PSY 590..... 3
Gen. Ed. E-1B (ENG 102) ... 3	Gen. Ed. E-3B (Humanities)3	PSY 405..... 3	PSY 499..... 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav. Sci.) 3	Gen. Ed. E-6 (Diversity) 3	Free Electives..... 9
Gen. Ed. E-4 (Nat. Sci.) 3	Free Elective 3	Free Elective 300+ level 3	Total 15
Total 15	Total 15	Free Elective 3	
		Total 15	

PSYCHOLOGY B.S. - SUBSTANCE ABUSE CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>	<u>First Semester</u>
GSD 101..... 3	PSY 309 or PSY 309W..... 4	PSY 311..... 3	Capstone Elective (ACCT) ... 3
PSY 200 3	Developmental Elective..... 3	PSY 305..... 3	PSY 405..... 3
Gen. Ed. E-1A (ENG 101).... 3	Gen. Ed. E-3A (Arts)..... 3	Gen. Ed. E-4 (Nat. Sci.) 3	Gen. Ed. E-6 (Diversity) 3
Gen. Ed. E-2 (Math) 3	Gen. Ed. E-5A (History) 3	Free Elective 6	Free Elective 300+ level 3
Free Elective.....3	Free Elective 2	Total 15	Free Elective 3
Total 15	Total 15		Total 15
<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>	<u>Second Semester</u>
PSY 250 or PSY 250W 3	PSY 310 3	Cognition/Learning Elective	PSY 406..... 3
PSY 308 3	PSY 258..... 3	..... 3	PSY 429..... 3
Gen. Ed. E-1B (ENG 102) 3	Gen. Ed. E-3B (Humanities)3	PSY 490..... 3	PSY 499..... 0
Gen. Ed. E-1C (Oral Comm.)3	Gen. Ed. E-5B (Social & Behav.	Gen. Ed. E-6 (Diversity) 3	Free Electives..... 9
Gen. Ed. E-4 (Nat. Sci.) 3	Sci.) 3	Free Elective (PSY 349 recom-	Total 15
Total 15	Free Elective 3	mended)..... 3	
	Total 15	Free Elective 3	
		Total 15	

College of Science

Dr. Tom Otieno, Interim Dean

Science Building 1228

(859) 622-1405

Dr. Karin Sehmman, Interim Associate Dean

(859) 622-8140

www.science.eku.edu

The College of Science offers baccalaureate and masters programs in a number of disciplines encompassing the natural and mathematical sciences. The college also offers pre-professional programs in pre-dental, pre-engineering, pre-optometry, pre-physician assistant, pre-pharmacy, pre-veterinary, and pre-medical sciences; minors in Biology, Chemistry, Chemistry/Teaching, Computer Science, Informatics, Cybersecurity and Intelligence, Earth Science Teaching, Forensic Science, Game Content Design, Geography, Geology, Mathematics, Mathematical Sciences, Mathematics/Teaching, Statistics, Actuarial Science, Physics and Physics Teaching; and certificate programs in Informatics and Geographic Information Science (GIS). The College of Science plays a central role in 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 disciplines, the College of Science 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; and to encourage and support research in all the disciplines included in the College.

DEGREES OFFERED

The College of Science offers the following baccalaureate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Arts in Individualized Studies, and Bachelor of General Studies.

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 Science. All students graduating with majors in the College of Science 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.

NATURAL AREAS

Dr. Melinda Wilder, Director

Dr. Stephen Richter, Associate Director for Research

Science Building 3106

(859) 622-1476

Eastern Kentucky University owns three natural areas: Lilley Cornett Woods Appalachian Ecological Research Station (Letcher County), Maywoods Environmental and Educational Laboratory (Garrard and Rockcastle counties), and Taylor Fork Ecological Area (Madison County). The Division of Natural Areas is responsible for stewardship and management of these areas as well as coordinating research, K-16 educational programs, public outreach, and use of these areas. All three natural areas are actively used for education and scientific research by faculty and students of the University and other institutions. The Natural Areas are available for use by the general public for passive recreation activities such as hiking, fishing, and wildlife photography.

Lilley Cornett Woods, the oldest and most studied tract of old-growth forest in eastern Kentucky, is a Registered Natural Landmark (U.S. Department of Interior) and is operated as a nature preserve. Onsite facilities include a visitor center, a research and learning laboratory, a bunkhouse, manager's home, outdoor teaching pavilion, maintenance building, research laboratories, and housing. Public use is limited to guided tours in this unique forest.

Maywoods Environmental and Educational Laboratory is used extensively by the University and elementary and secondary schools for environmental education as well as academic year and summer courses. This 1700-acre forested natural area, including a 13-acre lake, is a wildlife refuge that provides protective habitat for native wildlife through approved wildlife management practices. Onsite facilities, including a lodge with classroom and sleeping space, manager's home, outdoor classroom shelter, amphitheater, and maintenance building, offer an excellent off-campus venue for meetings and workshops. The site is open to the public for fishing, and hiking on any of the six self-guiding trails.

Taylor Fork Ecological Area is a 60-acre site near EKU's main campus in Richmond. The Area's habitat is primarily old pastureland with fencerow strips of trees and small patches of woods and canebrakes. Developed as a site for experiential learning, research, and restoration, Taylor Fork was conceived by students in EKU's Wildlife Management Program. The site currently has no facilities and is open to the public for hiking on the designated trails.

In addition to managing EKU's properties, the Division of Natural Areas houses the Center for Environmental Education. The Center is involved in a variety of community and educational outreach programs through the University, public school districts,

and the Kentucky University Partnership for Environmental Education, which includes all eight state universities and the Kentucky Community and Technical College System.

For further information about the use and availability of EKU's Natural Areas for research, education, leisure or educational programming, please call (859) 622-1476 or visit the website, www.naturalareas.eku.edu.

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 at Gulf Coast Research Laboratory, only 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, and in the Division of Natural Areas.

PRE-HEALTH PROFESSIONS ADVISING

James Luba, Ph.D.

Science Building Room 1234

(859) 622-7894

EKU has a number of programs that will help prepare students for professional schools following graduation. These schools generally do not require a specific major, provided that their prerequisite courses are taken. All professional schools are highly competitive in their admissions process. Thus, students should aim for strong GPA and professional school admission test scores. Students are encouraged to seek a major that they feel comfortable with, that they have a strong aptitude for, that is interesting and challenging, and that provides additional career concentrations. Additional information may be found at www.science.eku.edu.

PRE-PHARMACY

It is recommended for students interested in pharmacy to complete a four-year degree with a B.A. (Pre-Pharmacy Concentration) in chemistry. The chemistry pages in this Catalog list the appropriate courses for this concentration. The Pre-professional advisor, who is familiar with the pharmacy admissions process, will be assigned. Students interested in pharmacy may major in any subject provided certain pre-requisite courses are taken. While it is possible for students to be admitted to a pharmacy school after just two years of undergraduate training, the competitive nature of these programs suggest students should complete their major in preparation for pharmacy school.

Pharmacy schools differ in their individual requirements, so students should check the web pages of the pharmacy school of their choice, and then determine which courses to take after

consulting their pre-pharmacy advisor. The application process typically begins in the fall of the senior year. Pharmacy schools require the PCAT and they look for students with leadership potential, a strong sense of empathy, a community and university service record, and extensive experience shadowing pharmacists or working as a pharmacy technician. Admission to pharmacy schools depends on a good balance among each of these areas in addition to strong PCAT scores and a high GPA.

PRE-PHYSICIAN ASSISTANT

Physician assistant professional schools are primarily in university schools of medicine and allied health. Although programs vary in length, most physician assistant programs require 24-28 months to complete. Most programs require applicants to have completed a minimum of three years of college prior to admission and to have had previous health care experience. Most successful applicants to PA programs have earned a bachelor's degree, and have accumulated a significant number of hours shadowing a Physician Assistant and working with patients in a clinical setting.

Prerequisite course requirements vary from school to school. Students are encouraged to consult with the Center for Pre-Health Professions Advising to determine which physician assistant programs are of interest, and pattern their course work to fulfill these specific program requirements.

PRE-MEDICAL SCIENCE

Students with career interests in allopathic medicine, osteopathic medicine, or podiatry may achieve admission to professional schools by graduating in any major, provided certain prerequisites are met. Typically, 75% of students that enter medical school majored in the physical, natural, or social sciences, with the remaining 25% from other disciplines.

The College of Science offers both the Biomedical Sciences (Pre-Medical Concentration) in Biology and the Bachelor of Arts (Pre-Medical Concentration) or Bachelor of Science (Pre-Medical Concentration) degree in Chemistry. Students pursuing degrees in either department will complement their studies with appropriate courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. All students interested in these areas are urged to visit the Department pages in this Catalog, or go on-line to find details of these major programs. More information may be found at the EKU pre-professional web page at preprofessional.eku.edu

Students interested in medical school should consult the medical school admission requirements for their schools of interest or those published in the MSAR (Medical School Admissions Requirements) book.

Students in Biomedical Sciences or Chemistry pre-med concentrations are assigned to a pre-medical sciences advisor in their Department or the College of Science Pre-Professional 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. EKU also has a University Pre-Health Advisory Committee. This committee assists students in their application process and prepares committee letters of evaluation for them. The application process typically lasts over a year, so it is important for students to contact the chair of the University Pre-Health Advisory Committee by the end of their junior year.

Each medical school requires an admission exam, either the MCAT for medical schools or the GRE or MACAT for podiatry schools. These professional schools also look for students with leadership potential, a strong sense of empathy, a community and university service record, and extensive experience shadowing professionals in these fields. Admission to professional schools is highly competitive and depends on a good balance among each of these areas, in addition to a strong MCAT score and a high GPA.

PRE-DENTISTRY

Students interested in dentistry can major in either Chemistry (B.A. or B.S., Pre-Dental Concentration) or Biomedical Sciences (B.S., Pre-Dental Concentration), although dental schools will accept students from any academic background, provided certain prerequisites are met. Students are encouraged to check individual dental schools for details of their requirements.

Students majoring in either Biomedical Sciences or Chemistry will be assigned an advisor in their department who is familiar with dental-school admissions procedures. Pre-Dentistry students should make use of the University Pre-Health Advisory Committee. This committee assists them in their application process and prepares letters of evaluation for them. The application process typically lasts over a year, so it is important for students to contact the chair of the University Pre-Health Advisory Committee by the end of their junior year. More information may be found at preprofessional.eku.edu.

Dental schools require the DAT admission exam, and they look for students with leadership potential, a strong sense of empathy, a community and university service record, and extensive experience shadowing dentists. Admission to dental schools is highly competitive and depends on a good balance among each of these areas, in addition to strong DAT scores and a high GPA.

PRE-OPTOMETRY

Students interested in admission to optometry school may complete any degree program, but typically they major in either Chemistry (B.A., Pre-Optometry concentration) or Biomedical Sciences (Pre-Optometry concentration). See the Department pages in this Catalog for details of these programs. Refer to specific optometry school admission requirements for listings of appropriate prerequisite courses. Students in Biomedical Sciences or Chemistry will be assigned an advisor knowledgeable about optometry admissions procedures who will assist them in their application process. This process typically begins in the fall of the senior year. Optometry schools require the OAT exam, and look for students with leadership potential, a strong sense of empathy, a community and university service record, and extensive experience shadowing optometrists.

Admission to optometry schools is highly competitive and depends on a good balance among each of these areas in addition to strong OAT scores and a high GPA.

There are no Kentucky optometry schools, but colleges of optometry at Indiana University at Bloomington, the University of Alabama at Birmingham, and Southern College of Optometry at Memphis, all have contracts with Kentucky for a limited number of spaces for Kentucky residents. Students accepted under this program are exempt from the out-of-state tuition charge at these schools. For residents of Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the contract schools.

PRE-VETERINARY MEDICINE

Students who have a career interest in veterinary medicine may fulfill admission requirements of specific veterinary schools by pursuing either the Biomedical Sciences major (Pre-Veterinary Medicine concentration) or the Agriculture major (B.S.). See the Department pages in this Catalog for details of these programs. Refer to specific veterinary schools for listings of appropriate prerequisite courses. Students should complement their studies with appropriate courses in humanities, social sciences, communications, and agriculture. Courses in mathematics and physics will also be required.

Students in Biomedical Sciences will be assigned an advisor knowledgeable about veterinary school admissions procedures who will assist them in their application process. Applications generally must be submitted by October 1st of the senior year. Veterinary schools typically require the GRE, and they look for students with leadership potential, a strong sense of empathy, a community and university service record, and extensive experience shadowing veterinarians. Admission to these schools is highly competitive, more so than admission to medical schools, and depends on a good balance among each of these areas in addition to strong GRE scores and a high GPA. For more information, please refer to preprofessional.eku.edu

No Kentucky institution has a program in veterinary medicine; however, the Commonwealth has contracts to allocate a limited number of places in Auburn University's College of Veterinary Medicine and Tuskegee University's School of Veterinary Medicine to Kentucky residents. Students accepted under this program are exempt from the out-of-state tuition charge at these schools. For residents of Kentucky to be accepted under the Kentucky quota, application must be made directly to one or both of the contract schools.

BIOMEDICAL/HEALTH-RELATED RESEARCH

Students with an interest in careers in biomedical/health-related research should consider a B.S. in Chemistry (Biochemistry concentration) or a B.S. in Biomedical Sciences (Research concentration). With these B.S. degrees, students may work in academic and industry research laboratories. Some students may choose to earn an advanced degree at either the M.S. or Ph.D. level. Both the Chemistry major and the Biomedical Sciences major will prepare students for these advanced degrees.

PRE-ENGINEERING

There is a pre-engineering curriculum offered by the College of Science, described below. Students interested in a particular engineering program should see the pre-engineering advisor in the Department of Physics and Astronomy. Many students also choose to complete their B.S. in Physics/engineering physics major at EKU.

In the pre-engineering curriculum, referred to as the **Dual Degree Option**, students spend two or three years at EKU taking basic science, mathematics, and general-education courses. Students then transfer their credits to the University of Kentucky, Auburn University, or another university with an accredited engineering program earning both a baccalaureate degree from EKU in Physics and an engineering degree from the engineering school.

All students pursuing a Dual-Degree Engineering Program

in the Department of Physics and Astronomy should pursue the Engineering Physics Concentration of the Physics B.S. program. Because preferred general education and supporting courses may vary depending upon the partner engineering school, it is essential that students pursuing the Dual-Degree Program in Engineering work closely with their departmental advisors.

After the first year of professional study, students transfer the work back in order to secure a Bachelor of Science degree from Eastern Kentucky University. This plan may shorten, by one year, the time needed to obtain both a baccalaureate and a professional degree.

DEPARTMENT OF BIOLOGICAL SCIENCES

Chair

Dr. Malcolm Frisbie
(859) 622-1531
Science Building 3238

Faculty

K. Blank, A. Braccia, D. Brown, S. Byrd, L. Calderon, P. Calie, B. Davis, L. Dodd, C. Elliott, M. Ezin, M. Frisbie, S. Harrel, D. Hayes, B. Hoven, J. Koslow, B. Kraemer, L. Middleton, C. Mott, O. Oakley, V. Peters, M. Pierce, S. Richter, G. Ritchison, B. Ruhfel, W. Staddon, S. Sumithran, R. Waikel, M. Watkins, and A. Wigginton.

BACCALAUREATE DEGREES

BACHELOR OF SCIENCE (B.S.)

BIOLOGY

CIP Code: 26.0101

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(SCO 100; waived for transfers with 30+ hrs.)
- Writing Intensive Course (hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Biology majors will fulfill ACCT with one of the following: BIO 320, 349, 598, HON 420 with a thesis topic approved by the Biology department, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses29 hours

BIO 111(4), 112(4), 315(4), 316(4), 318(4),
319(4), 320(4), and 495(1).

Concentrations: (Must select at least one; courses used for one concentration may not count toward another concentration.)

Aquatic Biology 15 hours
BIO 525, 542, 557, 558, and one course from
BIO 556, 561, or GLY 315.

Botany 15-16 hours

BIO 335, 521(4), 598 (Must enroll for at least 2 cr.hrs.), and two courses from BIO 522, 525, 536, 599 (Must enroll for 3 cr. hrs.).

General Biology 12 hours

Choose 12 hours from the following: any 300, 400, or 500 level BIO, CHE, or PHY course not included in Biology Core or from which Biology majors are not excluded, CHE 362/362L(4), or PHY 132(5) or PHY 202(5). Students applying to graduate school are strongly advised to include CHE 362/362L(4) and PHY 132(5) or 202(5) as part of the 12 hours

Biology Teaching.....3 hours

BIO 348

Supporting Course Requirements:

All options (except Biology Teaching) 14-16 hours

CHE 111/111L (4) (^GElement 4), 112/112L (4), 361/361L (4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2), or 211(^GElement 2); PHY 131(5) or 201(5) (^GElement 4); STA 215 or STA 270(4).

(^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

Biology Teaching.....21-26 hours

(must also complete all Professional Education Requirements)

CHE 111/111L (4) (^GElement 4), 112/112L (4), 361/361L (4); CHE 362/362L (4); MAT 120(^GElement 2), 122(5) (^GElement 2), 211 (^GElement 2), 234(4), or 234H(4) (^GElement 2); PHY 131(5) or 201(5) (^GElement 4); STA 215 or STA 270(4); PHY 132 (5) or PHY 202 (5) or GLY 108

(^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

Professional Education Requirements.....37 hours

EDC 300, EDF 203, 204(2), 219, 413; SED 104 (^GElement 6), EMS 300W, 490, 474; ESE 561 and 11 credit hours of Clinical Experiences: CED 100(0.0), 200(0.0), 300(0.5), 400(0.5), 450(1), 499(9).

(^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.)

Free Electives..... 0-28 hours

TOTAL HOURS TO COMPLETE DEGREE.....120-132 hours

BACHELOR OF SCIENCE (B.S.)

BIOMEDICAL SCIENCES

CIP Code: 26.0102

The Biomedical Sciences degree program is a rigorous program designed to prepare students for careers in biomedical research and a wide variety of biomedical professional programs. The Biomedical Sciences degree can be tailored to prepare students for graduate or professional schools, including but not limited to medical, dental, physician assistants, optometry, and veterinary medicine. This degree will prepare students interested in pursuing a broad range of careers, including biotechnology, industrial microbiology, or pharmaceutical sales. The biomedical sciences degree provides students with a curriculum that develops strong creative and critical thinking skills while also providing them with the

required and recommended courses for admission to graduate and professional schools.

All students must be admitted to the University by the EKU Admissions Office and declare their major as biomedical sciences (BMS). For admission to the BMS program, a high school graduate must meet the following three criteria:

1. A Math ACT score of 23 (or equivalent SAT) or a “C” or better in MAT 112 or 114
2. An English ACT score of 20 (or equivalent SAT), or a “C” or better in ENG 101
3. A High School GPA of a 3.0.

Individuals who are transfer students or wish to change their major must have attained a minimum GPA of 3.00 overall on a minimum of 24 hours attempted. Entering freshmen and transfer students who do not meet the minimum requirements are encouraged to enroll in the general option of the Biology BS Degree program, until qualified to transfer into the program.

Progression Policy

The Biomedical Sciences degree program limits the number of major core, concentration, and supporting 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 be repeated only once.

To remain in the Biomedical Sciences degree program, a student must maintain an overall GPA of 3.0 with a grade of “C”/2.0 or better in each of the supporting and major courses of the curriculum. Students who fail to maintain a 3.0 GPA will be removed from the BMS program and placed in the Biology B.S. program, General Biology Concentration.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education36 hours
- Student Success Seminar (SCO 100B; waived for transfers with 30+ hrs.).....1 hour
- Writing Intensive Course (hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - BMS majors will fulfill ACCT with one of the following: BIO 320, 598, HON 420 with a thesis topic approved by the Biology department, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Biology Core28 hours
BIO 111(4), 112(4), 315(4), 318(4) or 319(4), 320(4), 331, 332(1), 348, 495(1).

Concentration Requirements (must select at least one; courses used for one concentration may not count toward another concentration):

Biomedical Research.....25-28 hours
 BIO 531(4); CHE 362/362L(4); 430 or 431, 432(1); MAT 234(4)

or 234H(4); and nine credit hours from the following: BIO 342(4), 527, 528, 533, 535(4), 546(4), 547(4), 598(1-4), CHE 430, 431.

Pre-Medical24-28 hours
 CHE 362/362L(4), 430, 431; MAT 120 or higher; PHY 132(5) or 202(5); and at least six credit hours from the following: BIO 342(4), 527, 528, 531(4), 535(4), 546(4), 547(4), 598(1-4), CHE 432(1).

Pre-Dental.....26-28 hours
 BIO 342(4) or 546(4); CHE 362/362L(4); 430 or 431; MAT 120 or higher; and nine credit hours from the following: BIO 342(4), 527, 528, 531(4), 535(4), 546(4), 547(4), 598(1-4), CHE 430, 431, 432(1).

Pre-Physician Assistant.....17-19 hours
 BIO 342(4); EMC 105(1) or HSA 200; MAT 120 or higher; PSY 280 or 280W; and at least six credit hours from the following: BIO 527, 528, 531(4), 535(4), 546(4), 547(4), 598(1-4), CHE 362, 430, 431, 432(1).

Pre-Optometry22-24 hours
 CHE 362/362L(4); CHE 430 or 431; MAT 234(4) or 234H(4); PHY 132(5) or 202(5); and six credit hours from the following: BIO 527, 528, 531(4), 535(4), 546(4), 547(4), 598(1-4), CHE 430, 431, 432(1)

Pre-Veterinary22-28 hours
 AGR 321(4) or 421; CHE 362/362L(4); 430 or 431; MAT 120 or higher; and nine credit hours from the following: BIO 342(4), 514, 527, 528, 531(4),533, 535(4), 546(4), 547(4), 550(4), 552, 598 (1-4), CHE 430, 431, 432(1).

Supporting Course Requirements

All Concentrations.....17-18 hours
 CHE 111 (°Element 4), 111L(1), 112/112L(4), 361/361L(4); INF 104; PHI 383 or 383W; PHY 131(5) (°Element 4) or PHY 201(5) (°Element 4); STA 215 (°Element 2) or STA 270(4) (°Element 2).

Pre-Medical.....3 hours
 PSY 200 or 200W, 280, or 308; and SOC 131 (°Element 5B) or HON 312W (°Element 5B).

Pre-Physician Assistant.....6 hours
 PSY 200 (°Element 5B) or 200W (°Element 5B); ANT 120 or SOC 131; PSY 280 or 280W.

Pre-Optometry.....6 hours
 PSY 200 (°Element 5B) or 200W (°Element 5B); six credit hours from the following: ANT 120, ECO 230, HON 312W, PSY 308, SOC 131

° = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....3-18 hours

TOTAL HOURS TO COMPLETE DEGREE.....120 hours

**BACHELOR OF SCIENCE (B.S.)
 WILDLIFE MANAGEMENT
 CIP Code: 03.0601**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar 1 hour
- (SCO 100B; waived for transfers with 30+ hrs.)
- Writing Intensive Course (hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Wildlife Management majors will fulfill ACCT

with one of the following: BIO 349, WLD 489W, HON 420 with a program-approved thesis topic, a program-approved service-learning course, a program-approved undergraduate scholarly or creative activity, or a program-approved study abroad experience. (*Credit hours are incorporated into program requirements below.*)

Total Hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Core Courses56 hours
 BIO 111(4), 112(4), 316(4), 318(4), 319(4), 335, 495(1), 532, 557; 558 or 561; two courses from BIO 553, 554 or 556; WLD 381, 382(4), 489W, 585, 586(4).

Supporting Course Requirements 14-16 hours
 AGR 215(AGR 216 not required), CHE 101/101L(4) (^gElement 4), 102/102L(4); MAT 120 (^gElement 2) or 211 (^gElement 2) or 234(4) (^gElement 2) or 234H (^gElement 2); GEO 210 (^gElement 4), 353; STA 215 (^gElement 2) or 270(4) (^gElement 2).

^g = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Concentration Requirements (must select at least one; courses used for one concentration may not count toward another concentration):

Game Management.....9 hours
 AGR 115(2); WLD 583, 584(4)

Conservation Management.....9 hours
 BIO 520 and two courses from GEO 325, GEO 453, WLD 587

Free Electives..... 2-4 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

MINOR

MINOR IN BIOLOGY

A student may qualify for a minor in biology by completing 21 semester hours to include BIO 111(4), 112(4), 318(4), 319(4) and five additional hours selected from those 300 through 500 level courses normally taken for one of the majors in the department.

A Minor in Biology will prepare students pursuing a teaching degree to seek certification to teach Biology at the secondary level. Students pursuing any degree offered by the Department of Biological Sciences may not declare a Minor in Biology. Teacher certification with a minor in biology requires the same 21 semester hours of course work stipulated in the above paragraph.

DEPARTMENT OF CHEMISTRY

Chair

Dr. Darrin Smith
 (859) 622-1456

Science Building 4126

Faculty

M. Brock, D. Cunningham, D. Dasari, J. Fredericks, P. Gao, J. Jenkins, C. Kaeser, M. Lamar, J. May, M. Ndinguri, C. Paumi, D. Quan, T. Reed, B. Shi, D. Smith, and L. Wilson

BACCALAUREATE DEGREES

BACHELOR OF ARTS (B.A.)

CHEMISTRY

CIP Code: 40.0501

UNIVERSITY GRADUATION REQUIREMENTS

- General Education.....36 hours
- Student Success Seminar 1 hour
 (SCO 100C; waived for transfers with 30+ hrs.)
- Writing Intensive Course (*hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Chemistry majors will select one of the following (based on specific option): combination of CHE 349, 349 A-N, 411, 495A, 495B, FMT 349, 349 A-N, 495 and/or FMT 549 for 3 credit hours, HON 420, CHE 515, or CED 499. (*Credit hours are incorporated into program requirements below.*)

Total hours University Graduation Requirements37 hours

MAJOR REQUIREMENTS

Chemistry Core Requirements28 hours
 CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 385W, and 570(4).

Concentration Requirements:

Chemistry.....20 hours
 CHE 425/425L(4); CHE 430 or 431; CHE 450, 484(1), and nine (9) additional hours of either 400- or 500-level CHE or FOR courses. (*If CHE 495A and/or 495B is taken, only 3 hours can be applied to the major. For students interested in graduate school, CHE 515 is recommended.*)

Fermentation Science.....24 hours
 BIO 320(4), FMT 340, 345(2), 540, 545(4), 2 hours of either FMT 349, 349A-N, 495, or 549, three (3) additional hours of either 400- or 500-level CHE, FMT, or departmental approved special topics courses, and pick one of the following societal courses: CRJ 410, HEA 595, or LAS 310 (If CHE or FMT 349, 349A-N and/or 495 is taken, only 3 hours can be applied to the major.)

Pre-Pharmacy or Pre-Dental or Pre-Optometry or Pre-Pathology Assistant or Pre-Medical or Pre-Physician Assistant.....15 hours
 CHE 425/425L(4), 430, 431, 432(1), 484(1), and three (3) hours from a combination of CHE 349, 349A-N, 495A and/or 495B or HON 420.

Chemistry Teaching.....6 hours

Select six credit hours of either 400- or 500-level CHE or FOR courses. If CHE 495A and/or 495B is taken, only 3 hours can be applied to the major. (Following this curriculum and passing the appropriate standardized teacher exams will lead to certification to teach chemistry at the secondary education level.)

Supporting Course Requirements**Chemistry.....8 hours**

MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5).

Fermentation Science.....24-25 hours

BIO 111(4) (^GElement 4), and ECO 230 (^GElement 5B); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5).

Choose one focus area: either,

Agriculture: AGR 130, 131(1), 430

or

Environmental Health: EHS 280, 380,

AND nine hours from the following: CCT 270, 304S, MGT 301, 330, 465 or MKT 301, 380.

Pre-Pharmacy.....34 hours

BIO 111(4) (^GElement 4), 112(4), and 171; BIO 273(4) or 320(4); BIO 301, 378(1), and ECO 230; MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHI 383; PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); PSY 200 (^GElement 5B), and STA 270(4).

Pre-Dental or Pre-Optometry or Pre-Pathology Assistant or Pre-Medical or Pre-Physician Assistant.....33 hours

BIO 111(4) (^GElement 4), 112(4), 171, 348, and 320(4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHI 383; PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); PSY 200, SOC 131 (^GElement 5B), and STA 270(4).

Chemistry Teaching.....11-12 hours

(*must also complete all Prof. Educ. Requirements*)

BIO 111(4) (^GElement 4), or 112(4) (^GElement 4); GLY 302; MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5).

Professional Education Requirements.....37 hours

EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, 490, ESE 561, SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives.....1-27 hours**TOTAL HOURS TO COMPLETE DEGREE.....120 hours**

¹Students are encouraged to pursue a Minor in Entrepreneurship in the School of Business (see page 103 of the Catalog).

**BACHELOR OF ARTS (B.A.) &
MASTER OF SCIENCE (M.S.)
CHEMISTRY
Accelerated 3+2 Dual Degree Program
CIP Code: 40.0501**

Students may apply for admission to the 3+2 program in their junior or senior year. Students are able to complete their B.A. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.A. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Entrance requirements for the 3+2 must adhere to the same requirements for the M.S. Chemistry Program in the Graduate Catalog, except entrance examinations (e.g. GRE) are not required for the 3+2 program. Students must fulfill all graduation requirements listed below. Students admitted into the program will remain coded as undergraduate until fulfilling their BA requirements. Students admitted into the 3+2 program must complete the Chemistry BA degree with a minimum 3.0 GPA to be allowed to proceed with graduate program coursework.

Admission Requirements:

Students interested in this option must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

Program Requirements

Students in 3+2 Accelerated Dual Degree Option must complete the listed Chemistry (B.A.) program requirements along with the same requirements for the Chemistry M.S. Program (presented in the Graduate Catalog: listing at <http://gradschool.eku.edu/graduate-catalog>). Nine (9) credit hours of 700-level graduate coursework (CHE 715 and 770) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar..... 1 hour
(SCO 100C; waived for transfers with 30+ hrs.)
- Writing Intensive Course (*hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Chemistry majors will select one of the following (based on specific option): some combination of CHE 349, 349A-N, 411, 495A, 495B for at least 3 credit hours, HON 420, CHE 515 (or 715), or CED 499. (*Credit hours are incorporated into program requirements below.*)

Total Hours University Graduation Requirements ... 37 hours

The B.A. Chemistry degree, Pre-Pharmacy concentration, completes all pre-requisites required for application to pharmacy school. While students may apply for admission to pharmacy school after pursuing this degree for three years, a significant number of applicants elect to remain at ECU and first complete

their B.A. Chemistry degree.

Students accepted into pharmacy school after three years as a Chemistry major will have completed 80% of the B.A. Chemistry degree. As such these students, upon completion of pharmacy school, may transfer pharmacy coursework back to EKU, to be used in lieu of outstanding EKU Chemistry course requirements; and thereby complete the BA Chemistry degree. The student's record will be reviewed for completion by the Registrar, and providing all other University requirements are met, the student will be awarded an EKU B.A. Chemistry degree. Students interested in transferring back pharmacy coursework can enquire by emailing registrar@eku.edu.

B.A. 3 + 2 CHEMISTRY MAJOR REQUIREMENTS

Chemistry Core Requirements 41 hours

CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 385W, 425/425L(4), 450, 484(1), 715(5), 770(4) (note: CHE 450 must be taken prior to enrolling in 715.)

Concentrations Requirements:

Chemistry..... 6 hours

CHE 430 or 431; 3 hrs of 400- or 500-level CHE or FOR courses. If CHE 495A and/or 495B is taken, only 3 hrs can be applied to the major.

Pre-Pharmacy, Pre-Dental, Pre-Optometry, Pre-Pathology Assistant or Pre-Medical 7 hours

CHE 430, 431, 432(1)

Chemistry Teaching 0 hours

No additional courses. (*Following this curriculum and passing the appropriate standardized teacher exams will lead to certification to teach chemistry at the secondary education level.*)

Supporting Course Requirements:

Chemistry..... 8 hours

MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5).

Pre-Pharmacy..... 34 hours

BIO 111(4) (^GElement 4), 112(4), and 171; BIO 273(4) or 320(4); BIO 301, 378(1), and ECO 230; MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHI 383; PHY131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); PSY 200 (^GElement 5B), and STA 270(4).

Pre-Dental or Pre-Optometry or Pre-Pathology Assistant or Pre-Medical..... 33 hours

BIO 111(4) (^GElement 4), 112(4), 171, 348, and 320(4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHI 383; PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); PSY 200, SOC 131(^GElement 5B), and STA 270(4).

Chemistry Teaching 11-12 hours

MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); BIO 111(4) (^GElement 4), or 112(4); GLY 302.

Professional Education Requirements for Chemistry Teaching 37 hours

EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 490, 474, ESE 561, SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 0-28 hours

HOURS TO COMPLETE B.A. DEGREE 120-127 hours

M.S. CHEMISTRY MAJOR REQUIREMENTS

A. Core Requirements 27 hours

I. 700-level Requirements 12 hours

a. CHE 715(5) and one of the following: *CHE 770(4) or 774/774L(4) or 775/775L(4)..... 9 hours

*Students in the B.A. Chemistry 3+2 program are required to take CHE 770(4)

b. Additional course in chemical/biological science or mathematics 3 hours

II. 800-level Requirements 15 hours

a. CHE 810(2), 811(2), 880(1), and 1 additional hour from either CHE 811 or 881 6 hours

b. Pick three courses from the following: CHE 822, 830, 850,860..... 9 hours

B. Program Tracks:

Students will pick one of the following tracks

Thesis Track: Graduate Research – Written Thesis Required 6 hours

CHE 899(6).

Internship Track: Applied Learning in Chemistry – Written Report Required..... 6 hours

CHE 839(6), or CHE 839(3); and 3 hours of CHE 700/800 level courses.

Coursework Track 6 hours

Three (3) hours of CHE 800 level courses and 3 additional hours from CHE 700/800 level courses.

Exit Requirements:

Thesis/Internship Option — A thesis/report based upon the original research/project in the area of the student's research concentration must be submitted. A final comprehensive oral examination (GRD 858b) in defense of the thesis/report and related course work is required.

Coursework Option – Candidates must earn a 3.0 GPA (or higher) for all program coursework for the option. In addition, the candidate for the coursework option must pass a final examination (GRD 858c). The committee will decide the format of the examination.

TOTAL HOURS TO COMPLETE M.S. DEGREE.....33 hours

BACHELOR OF SCIENCE (B.S.)

CHEMISTRY

CIP Code: 40.0501

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(SCO 100C; waived for transfers with 30+ hrs.)
- Writing Intensive Course (*hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Chemistry majors will fulfill ACCT with CHE 515 (*Credit hours are incorporated into program requirements below.*)

Total Hours University Graduation Requirements.....37 hours

MAJOR REQUIREMENTS

Core Courses 38 hours

CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4),

362/362L(4), 385W, 425/425L(4), 450, 484(1), 485(1), and 515(5). CHE 349 or 349A-N may not be used to satisfy major requirements.

Concentrations Requirements:

Biochemistry, Pre-Medical, or Pre-Dental..... 13 hours
CHE 430, 431, 432(1), 570(4) and two hours from the following: CHE 495A and/or CHE 495B, 501L, 574L, 575L, or FOR 442L. CHE 495A and/or 495B (chemistry research) is recommended.

This program option produces a degree certified by the American Chemical Society (129) and follows the recommendation from the American Society for Biochemistry and Molecular Biology (ASBMB).

Chemistry..... 15 hours
CHE 430 or 431; CHE 574/574L(4), and 575/575L(4); 1 hr from either CHE 432, 495, 501L, or FOR 442L; 3 hrs hours from either 400- or 500-level CHE or FOR electives. At least 3 hrs of CHE 495A and/or 495B (chemistry research) is recommended.

This program option produces a degree certified by the American Chemical Society (ACS).

Supporting Course Requirements:

Biochemistry..... 21 hours
BIO 111(4) (⁶Element 4), 315(4), and 531 (4); MAT 234(4)* (⁶Element 2) or 234H(4) (⁶Element 2); MAT 244(4) or 244H(4); PHY 131(5) (⁶Element 4) or 201(5) (⁶Element 4); PHY 132(5) or 202(5). *Calculus based physics (PHY 201 and 202) is recommended by the ACS and ASBMB.*

Pre-Medical or Pre-Dental 24 hours
BIO 111(4) (⁶Element 4), 315(4), and 531(4); MAT 234(4) or 234H(4) (⁶Element 2); MAT 244(4) or 244H(4); PHY 131(5) (⁶Element 4) or 201(5) (⁶Element 4); PHY 132(5) or 202(5); PSY 200 (⁶Element 5B), and SOC 131. *Calculus based physics (PHY 201 and 202) is recommended by the ACS and ASBMB.*

Chemistry..... 17 hours
BIO 111(4) (⁶Element 4); MAT 234(4) (⁶Element 2) or 234H(4) (⁶Element 2); MAT 244(4) or 244H(4); MAT 254(4) or 254H(4); PHY 201(5) (⁶Element 4), and 202(5).

⁶ = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 8-13 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.) &
MASTER OF SCIENCE (M.S.)
CHEMISTRY
Accelerated 3+2 Dual Degree Program
CIP Code: 40.0501**

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some

summer-school classes may be needed.

Admission Requirements:

Students interested in this option must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 option.

Program Requirements

Students in 3+2 Accelerated Dual Degree Option must complete the listed Chemistry (B.S.) program requirements along with the same requirements for the M.S. Chemistry Program (presented in the Graduate Catalog; listing at <http://gradschool.eku.edu/graduate-catalog>). Nine (9) credit hours of 700-level graduate coursework (Biochemistry, Pre-medical, or Pre-Dental Concentration: CHE 715 and 770 or Chemistry Concentration: CHE 715 and 774/774L) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
(SCO 100C; waived for transfers with 30+ hrs.)
- Writing Intensive Course (*hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Chemistry majors will fulfill ACCT with CHE 715 (*Credit hours are incorporated into program requirements below.*)

Total Hours University graduation requirements..... 37 hours

B.S. CHEMISTRY 3+2 MAJOR REQUIREMENTS

Chemistry Core Courses 38 hours
CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 385W, 425/425L(4), 450, 484(1), 485(1), and 715(5).

CHE 349 or 349A-N may not be used to satisfy major requirements.

Concentration Requirements:

Biochemistry, Pre-medical, or Pre-Dental 13 hours
CHE 430, 431, 432(1), 770(4), and 2 hrs from the following: CHE 495A and/or 495B, 501L, 574L, 575L, or FOR 442L. CHE 495A and/or 495B (chemistry research) is recommended.

This program option produces a degree certified by the American Chemical Society (ACS) and follows the recommendation from the American Society for Biochemistry and Molecular Biology (ASBMB).

Chemistry..... 15 hours
CHE 430 or 431; CHE 574/574L(4) or 774/774L(4); CHE 575/575L(4) or 775/775L(4)*; 1 hr from either CHE 432, 495A and/or 495B, 501L, or FOR 442L; 3 hrs from either 400- or 500-level CHE or FOR electives. At least 3 hrs of CHE 495A and/or 495B (chemistry research) is recommended.

**One, and only one physical chemistry course must be taken*

at the 700-level (either 774/774L or 775/775L).
This program concentration produces a degree certified by the American Chemical Society (ACS).

Supporting Course Requirements:

Biochemistry..... 21 hours
BIO 111(4) (^GElement 4), 315(4), 531(4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); MAT 244(4) or 244H(4); PHY131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5). *Calculus based physics (PHY 201 and 202) is recommended by the ACS and ASBMB.*

Premedical or Pre-Dental..... 24 hours
BIO 111(4) (^GElement 4), 315(4), 531(4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); MAT 244(4) or 244H(4); PHY131(5) (^GElement 4) or 201(5) (^GElement 4), PHY 132(5) or 202(5); PSY 200 (^GElement 5B), and SOC 131. *Calculus based physics (PHY 201 and 202) is recommended by the ACS and ASBMB.*

Chemistry..... 17 hours
BIO 111(4) (^GElement 4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); MAT 244(4) or 244H(4); MAT 254(4) or 254H(4); PHY 201(5) (^GElement 4), and 202(5).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.)

Free Electives..... 8-13 hours

TOTAL HOURS TO COMPLETE B.S. DEGREE.... 120 hours

M.S. CHEMISTRY MAJOR REQUIREMENTS

A. Core Requirements 27 hours

I. 700-level requirements 12 hours

a. CHE 715(5) and one of the following: CHE 770(4), *774/774L(4) or *775/775L(4)..... 9 hours
**Students in the B.S. Chemistry 3+2 program are required to take CHE 774/774L(4) or 775/775L(4).*

b. Three additional hours in chemical/biological science or mathematics 3 hours

II. 800-level Requirements 15 hours

a. CHE 810(2), 811(2), 880(1), and 1 additional hour from either CHE 811 or 881 6 hours
b. Pick three courses from the following: CHE 822, 830, 850, 860..... 9 hours

B. Program Tracks:

Students will pick one of the following tracks

Thesis Track: Graduate Research – Written Thesis Required 6 hours

CHE 899(6)

Internship Track: Applied Learning in Chemistry – Written Report Required..... 6 hours

CHE 839(6) or CHE 839(3) and 3 hours of CHE 700/800 level courses.

Coursework Track 6 hours

Three (3) hours of CHE 800 level courses and 3 additional hours from CHE 700/800 level courses.

Exit Requirements:

Thesis/Internship Track — A thesis/report based upon the original research/project in the area of the student's research concentration must be submitted. A final comprehensive oral examination (GRD 858b) in defense of the thesis/report and related course work is required.

Coursework Track – Candidates must earn a 3.0 GPA (or higher) for all program coursework for the option. In addition, the candidate for the coursework option must pass a final examination

(GRD 858c). The committee will decide the format of the examination.

TOTAL HOURS TO COMPLETE M.S. DEGREE .. 33 hours

**BACHELOR OF SCIENCE (B.S.)
FORENSIC SCIENCE
CIP Code: 40.0510**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (*SCO 100C; waived for transfers with 30+ hrs.*) 1 hour
- Writing Intensive Course (*hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category*)
- Upper division courses (*42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories*)
- ACCT - Forensic Science majors will fulfill ACCT with FOR 499 (*Credit hours are incorporated into program requirements below.*)

Total hours University graduation requirements..... 37 hours

MAJOR REQUIREMENTS

- Forensic science majors have a graduation requirement of an institutional GPA of 2.75/4.0 or better.
- The curriculum below produces a degree that meets the guidelines for accreditation by the Forensic Science Education Programs Accreditation Commission (FEPAC) of the American Academy of Forensic Science (AAFS).

Core Courses 44 hours

CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 430, 570(4); FOR 301, 401, 411/ 411L(4), 465W, and 499.

Concentration Requirements:

While not required of either option, an internship (FOR 349) in a forensic science laboratory is highly recommended. Students interested in internship must complete FOR 310 Training for Forensic Internship before FOR 349.

Forensic Chemistry 20 hours
FOR 412/412L(4), 440, 442/442L(4), 451/451L(3), 475, and 3 hrs of electives from the following: CHE 349/349A-N(0.5-8), 432(1), 450, 501, 501L(1), 515(5), FOR 331, 331L(1), 349(0.5-8), or 460.

Forensic Biology 20 hours
BIO 315(4), 320(4), 531(4); CHE 432(1), FOR 331, 331L(1), and 3 hrs of electives from the following: BIO 527, 528, 533, 546, or FOR 349(0.5-8).

Supporting Course Requirements 13 hours

BIO 111(4) (^GElement 4); MAT 234(4) (^GElement 2) or 234H*(4) (^GElement 2); PHY 131(5) (^GElement 4) or 201(5) (^GElement 4); PHY 132(5) or 202(5); STA 270(4).

^G = Course also satisfies a General Education element.
Hours are included within the 36 hr. General Education requirement above.)

Free Electives..... 6 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.) &
MASTER OF SCIENCE (M.S.)
FORENSIC SCIENCE/CHEMISTRY
Accelerated 3+2 Dual Degree Program
CIP Code: 40.0510**

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and that 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:

Students interested in this option must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 option.

Program Requirements

Students in 3+2 Accelerated Dual Degree Option must complete the listed Forensic Science (B.S.) program requirements along with the same requirements for the Chemistry M.S. Program (presented in the Graduate Catalog: listing at <http://gradschool.eku.edu/graduate-catalog>). Nine (9) credit hours of 700-level graduate coursework (CHE 715 and 770) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar..... 1 hour
(SCO 100C; waived for transfers with 30+ hrs.)
- Writing Intensive Course (hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Forensic Science majors will fulfill the ACCT with FOR 499 (Credit hours are incorporated into program requirements below.)

Total hours University Graduation Requirements 37 hours

B.S. FORENSIC SCIENCE 3+2 MAJOR REQUIREMENTS

- Forensic science majors have a graduation requirement of an institutional GPA of 2.75/4.0 or better.
- The curriculum below produces a degree that meets the guidelines for accreditation by the Forensic Science Education Programs Accreditation Commission (FEPAC) of the American Academy of Forensic Science (AAFS).

Core Courses52 hours

CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 430 or 431, 450, 715(5), 770(4); FOR 301, 401,

411/411L(4), 465W, 499. (Note that 450 must be taken before 715.)

Concentration Requirements:

While not required of either option, an internship (FOR 349) in a forensic science laboratory is highly recommended.

Students interested in internship must complete FOR 310 Training for Forensic Internship before FOR 349.

Forensic Chemistry16 hours
FOR 412/412L(3), 440, 442/442L(4), 451/451L(3), and 475.

Forensic Biology20 hours
BIO 315(4), 320(4), 531(4); CHE 432(1); FOR 331, 331L(1); and 3 hrs of electives from the following: BIO 527, 528, 533, 546, FOR 349(0.5-8).

Supporting Course Requirements13 hours

BIO 111(4) (^GElement 4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY131(5) (^GElement 4) or 201(5), (^GElement 4); PHY 132(5) or 202(5); STA 270(4).

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives.....0-2 hours

TOTAL HOURS TO COMPLETE DEGREE120-122 hours

M.S. CHEMISTRY PROGRAM REQUIREMENTS**A. Core Requirements 27 hours****I. 700-level requirements 12 hours**

a. CHE 715 and one of the following: CHE 770*(4) or 774/774L(4) or 775/775L(4) 9 hours

Students in the B.S. Forensics Science/Chemistry 3+2 program are required to take CHE 770

b. Additional course in chemical/biological science or mathematics 3 hours

II. 800-level Requirements 15 hours

a. CHE 810(2), 811(2), 880(1), and 1 additional hour from either CHE 811 or 881 6 hours

b. Pick three courses from the following: CHE 822, 830, 850,860 9 hours

B. Program Tracks:

Students will pick one of the following tracks

Thesis Track: Graduate Research – Written Thesis Required 6 hours

CHE 899(6)

Internship Track: Applied Learning in Chemistry – Written Report Required..... 6 hours

CHE 839(6) or CHE 839(3) and 3 hours of CHE 700/800 level courses

Coursework Track 6 hours

Three (3) hours of CHE 800 level courses and 3 additional hours from CHE 700/800 level courses.

Exit Requirements:

Thesis/Internship Option — A thesis/report based upon the original research/project in the area of the student's research concentration must be submitted. A final comprehensive oral examination (GRD 858b) in defense of the thesis/report and related course work is required.

Coursework Option – Candidates must earn a 3.0 GPA (or higher) for all program coursework for the option. In addition, the candidate for the coursework option must pass a final examination (GRD 858c). The committee will decide the format of the examination.

TOTAL HOURS TO COMPLETE M.S. DEGREE ..33 hours

MINOR

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 111L(1), 112, 112L(1), 361, and 361L(1), plus any two additional courses* from the following list: CHE 325 (co-requisite CHE 325L(1)), 362 (co-requisite CHE 362L(1)), 430, 431, 450, 501, 520, 570, and FOR 440.

TEACHING CERTIFICATION FOR CHEMISTRY MINOR

Students may seek a minor in chemistry in conjunction with the completion of a teaching certificate**, which will qualify them to teach chemistry at the secondary level. The teaching minor in chemistry must be coupled with a secondary teaching certificate in another discipline. For students with a middle school science concentration, requirements are met. Students enrolled in a teaching program other than science who desire teaching certification in chemistry will be required to take ESE 561.

The minor will be considered an add-on certificate and cannot be recommended until the secondary teaching program is completed and a recommendation for certification has been processed. Appropriate PRAXIS exams must be completed for each area of certification being recommended.

*See Course Descriptions for prerequisite and corequisite requirements.

MINOR IN FORENSIC SCIENCE

The minor in Forensic Science requires a minimum of 18 credit hours as indicated below:

Core Requirements 3 hours
FOR 301

Elective Requirements 15 hours
Fifteen (15) hours electives from the following: CHE 425/425L(4) or FOR 411/411L(4); FOR 331/331L(4), 401, 440, 442/442L(4), 451/451L, 460(1-3), 475, 490(1-3).

Total Curriculum Requirements 18 hours

DEPARTMENT OF COMPUTER SCIENCE

Chair

Dr. Ka-Wing Wong
(859) 622-2398
Wallace 417

Faculty

C. Bragg, K. Chang, D. Kim, G. Landon, C. Rhee, E. Styer, K. Wong, M. Yang, and S. Zhang

BACCALAUREATE DEGREES

BACHELOR OF SCIENCE (B.S.) COMPUTER SCIENCE

CIP Code: 11.0101

Program Objectives

The mission of the Bachelor of Science in Computer Science program is to provide students with an education that will prepare them to develop a career in the fields of computer science or computer forensics.

Program Educational Objectives/Goals for General Computer Science Concentration

1. Our graduates will be productive professionals in the computing field.
2. Our graduates will develop professionally through continued formal education and/or professional activities.
3. Our graduates will demonstrate leadership skills at work.
4. Our graduates will contribute to community as computing professionals.

Program Educational Objectives/Goals for Computer Forensics & Security Concentration

1. Our graduates will be productive professionals in the computer forensics field.
2. Our graduates will develop professionally through continued formal education and/or professional activities.
3. Our graduates will demonstrate leadership skills at work.
4. Our graduates will contribute to community as computer forensics professionals.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar SCO 100I 1 hour (waived for transfers with 30+hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Computer Science majors will fulfill ACCT with CSC 349, 440, 491, 549, or 495 with a program-approved topic. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 25 hours
CSC 185¹, 190, 191, 195, 310, 313, and 340; CSC 308; CSC 499(1).

Concentrations:

Computer Science (General)..... 25 hours

(Accredited by the Computer Science Accreditation Commission of ABET, <http://www.abet.org>)

CSC 311, 320, 360, 400, 440, 460, 541, 545; and 1 credit hour of CSC 494, 495, or 496.

Computer Technology..... 22 hours

CSC 360, 440, 460, 545, 3 hours of CSC 349²; CSC 330 or 544; 1 course from: CSC 300, 309, 311, 315, 316, 320, 332, 350, 390, 400, 425, 490, 491, 507, 520, 538, 540, 541, 542, 545, 546, 547, 548, 550 and (if not used in the core or the concentration) 308, 309, 330, 544; and 1 credit hour of CSC 494, 495, or 496.

Bioinformatics10 hours

Three courses from the following: CSC 309, 311, 320, 440, 520, 544, or 545; and 1 credit hour of CSC 494, 495, or 496.

Interactive Multimedia22 hours

CSC 140, 315, 316, 491, 550, one of 520 or 555, and 1 course from: CSC 300, 309, 311, 320, 330, 332, 350, 360, 390, 400, 425, 440, 460, 490, 507, 538, 540, 541, 542, 544, 545, 546, 547, 548 and (if not used in the core) 308, 309; and 1 credit hour of CSC 494, 495, or 496.

Computer Forensics and Security24 hours

CSC 332, 360, 400, 520, 542, 547, 548, and 549.

Statistical Computing13 hours

CSC 311, 320, 544, and 545; and 1 credit hour of CSC 494, 495, or 496.

Supporting Course Requirements:

Computer Science (General23-27 hours

EET 252; MAT 234(4) or 234H(4)^(G)Element 2), MAT 239, 244(4) or 244H(4); STA 270(4).

Choose One of the following sequences:

- a) BIO 111(4) ^(G)Element 4), 112(4) ^(G)Element 4)
- b) CHE 111/111L(4) ^(G)Element 4), 112/112L(4) ^(G)Element 4);
- c) GLY 108 ^(G)Element 4), and 109 ^(G)Element 4)
- d) PHY 201(5) ^(G)Element 4); PHY 202(5) ^(G)Element 4)

And Choose 2 courses from a, b, c, or d not taken as part of the sequence.

Computer Technology24-25 hours

EET 252; NET 302, 303, and 343; NET 344 or 395; NET 354, 403, 454; and one course from the following: MAT 234(4) ^(G)Element 2), 234H(4) ^(G)Element 2), or 211 ^(G)Element 2).

Bioinformatics46 hours

BIO 111(4) ^(G)Element 4) or 112(4) ^(G)Element 4); BIO 315(4)³, 331, and 511; BIO 531(4) or 531S(4); BIO 533, and 3 hours of BIO 598; CHE 111/111L(4) ^(G)Element 4), 112/112L(4), 361/361L(4), and 362/362L(4); CHE 430/432(4) or 431/432(4); MAT 234(4) or 234H(4) ^(G)Element 2); MAT 565, STA 270(4), and 340.

Interactive Multimedia31 hours

BEM 200 ^(G)Element 5B), EET 252, MUS 290(2), PHY 201(5) ^(G)Element 4), STA 270(4), and two courses from ART 200 ^(G)Element 3A), and either ARH 390 or 391; MAT 234(4)⁴ or 234H(4) ^(G)Element 2); MAT 239, 244(4) or 244H(4); one course from ART 100, TEC 190, or GCM 313; one of the following sequences:

- a) MKT 301, 310, or
- b) MGT 301, 465, or
- c) GEO 353⁴, 453.

Computer Forensics and Security31-32 hours

FOR 301, 401, INF 318, 321, 322, NET 303, 354, and STA 270(4); MAT 234(4) or 234H(4) ^(G)Element 2); choose two courses from the following: BIO 111(4) ^(G)Element 4), CHE 111/111L(4) ^(G)Element 4), and PHY 201(5) ^(G)Element 4); 3 credit hours of CSC 349 or INF 495.

Statistical Computing33-36 hours

MAT 234(4) or 234H(4) ^(G)Element 2); MAT 244(4) or 244H(4); STA 270(4), 340, 375, 380, 575, 580, 585, and one of the following sequences:

- a) AEM 202 and (332, 336, or 506);
- b) BIO 315(4)³, 533;
- c) ECO 230, 231 ^(G)Element 5B), ECO 320, 420;
- d) INS 370 and (372, 374, or 378);
- e) STA 520, 521.

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above.

Free Electives.....0-13 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

¹Students without a 25 ACT or 590 SAT will be advised to take CSC 170 as preparation for CSC 185 and 190.

²Under 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.

³BIO 315 has a prerequisite of BIO 111 or 112.

⁴ GEO 353 has a prerequisite of one course from: AGR 216, GEO 100, 210, 220, GLY 102, 107, or 108.

MINORS

MINOR IN COMPUTER SCIENCE

Minor in Computer Science21 hours

A student may minor in computer science by completing CSC 185, 190, 191, 195, 310, 340, and one of CSC 200, 320, or 545.

MINOR IN CYBERSECURITY AND INTELLIGENCE

Minor in Cybersecurity and Intelligence21 hours

A student may minor in Cybersecurity and Intelligence by completing HLS 401, HLS 402, HLS 403, INF 321, INF 322, and two courses from CIS 320, CIS 325, CSC 332, CSC 520, CSC 542, CSC 548, INF 307, INF 314, or INF 318.

MINOR IN GAME CONTENT DESIGN

Minor in Game Content Design.....20 hours

A student may minor in Game Content Design by completing INF 130, CSC 140, MUS 290(2), INF 330, BEM 353W, INF 430, and one of ART 100, INF 120 or ENG 306.

MINOR IN INFORMATICS

Minor in Informatics.....18-19 hours

A student may minor in Informatics by completing INF 104 or CIS 212; INF 314; INF 123 or 307; one of STA 215, 270(4)*, or QMB 200*; and six additional semester hours from INF 105, 120, 130, 301, 318, 330, 495, CSC 140, 160, 170, 174, 177, 178, 190*, CIS 215, 320, 325, HSA 370, STA 340, or INF 123 or 307 (if not used above).

*Includes MAT 112, 114 or 122 as a prerequisite

CERTIFICATE

CERTIFICATE IN INFORMATICS

Requirements..... 12 hours

A student may qualify for a Certificate in Informatics by completing INF 104 or CIS 212; INF 307 or CCT 304S; INF 314; and three additional semester hours from INF 105, 120, 123, 130, 301, 318 or 330, or CSC 140, CIS 420, or INF 510*

*Bachelor in General Studies students who are also seeking the professional Certificate in Informatics must take CIS 420 or INF 510.

DEPARTMENT OF GEOSCIENCES

Chair

Dr. Melissa Dieckmann
(859) 622-1273
Science Building 2234

Faculty

W. Borowski, G. Campbell, M. Dieckmann, T. Huffman, C. Hughes, A. Jones, J. Malzone, K. Watson, J. White, D. Yow.

Our programs provide students with a comprehensive understanding of the breadth and depth of the geosciences through field-based and experiential curricula, innovative teaching methods, applied research, and community outreach focused on the needs of southeastern Kentucky. The Department of Geosciences is committed to enabling our students to achieve their full potential as skilled professionals in a diverse range of companies and governmental organizations, and as effective teachers, community leaders, and educated global citizens. Our programs produce students who are informed users of a range of technologies, responsible stewards of our natural resources, lifelong learners, and active participants in a global society.

Bachelor of Science in Geographic Information Science

The digitization of geographic data, and the wide availability of portable, low-cost technology that utilizes spatial data (smart phones, unmanned aerial vehicles (“drones”), OnStar), has created a booming demand for geographic information. The proliferation and availability of satellite data, and increasing global competition have fueled the hunger for geographic information from businesses, governments and government agencies, and private citizens. Apps and games that make use of altered or virtual reality rely on up-to-date, accurate geographic data to function. As a result, the need for qualified geographic information scientists and mapping professionals is larger than the current supply of these professionals, and employment for these professions is increasing at rates much higher than national rates for other STEM fields.

The B.S. Geographic Information Science program prepares students for graduate study or for employment in the field of geospatial techniques, as well as in fields where geospatial techniques are used to solve problems of importance to businesses, communities, and society. The program provides a foundation of geographic knowledge in introductory coursework through which data of geographic relevance can be understood, analyzed and interpreted; foundational skills in spatial data collection and interpretation in core coursework; and advanced knowledge and skills in geographic information science. Through internships, independent research opportunities, service learning opportunities within our curriculum, applied collaborative projects with other departments on EKU’s campus and entities within our service region, students will be well poised to use their geographic information science knowledge and skills in a variety of careers, and engage our community beyond the campus of EKU in using geographic information science to assess issues of concern to these communities and provide possible solutions to their concerns.

The B.S. Geographic Information Science program is designed with intentional flexibility that allows for the completion of two degree programs or the addition of relevant minor and certificate programs. The integration of multiple programs will prepare students to be more successful in joining the workforce in disciplines such as geology, anthropology, homeland security,

intelligence studies, and wildlife management, just to name a few. Most job postings in these areas require geographic information science skills as a prerequisite for gaining employment, and geographic information is, by nature, an interdisciplinary area of study that is utilized in a variety of careers spanning all six of EKU’s Colleges.

Bachelor of Science in Geology

Geology is the study of Earth; we study the processes, behavior and materials of Earth, its water and its atmosphere both in recent times and in the geologic past. Through understanding how Earth formed, how it changed over billions of years, and how it continues to function today, we can look forward in time to predict how natural processes and human actions will interact to impact Earth in the future. Knowledge of geological concepts and processes helps scientists, politicians, and business professionals make decisions about the use of Earth’s natural resources, protection of humans against natural disasters, and wise stewardship of our environment.

For students wishing to enter the professional world immediately upon graduation, the Professional Concentration prepares our students to become competent professionals with the requisite knowledge and skills necessary to successfully pass the initial certification exam to eventually obtain their Professional Geologist designation. Students will have the opportunity to gain knowledge and skills in each of the eight areas of professional geology and geotechniques, as well as develop critical research skills through a senior thesis or field camp experience.

Students in the Academic Concentration will gain the foundational knowledge and skills in geology, mathematics and natural sciences necessary to be successful in graduate school, as well as to explore potential areas of geologic specialization through independent research or a field camp experience and elective courses.

BACCALAUREATE DEGREES

BACHELOR OF SCIENCE (B.S.) GEOGRAPHIC INFORMATION SCIENCE CIP Code: 45.0702

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar SCO 100..... 1 hour
(waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/
Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
Supporting/Gen Ed/Free Electives categories)
- ACCT – Geographic information science majors will fulfill
ACCT with GEO 349, 349 A-N, 498, GLY 349, 349 A-N,
498, or 499. (Credit hours may be incorporated into Major or
Supporting requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 21 hours
GEO 100, 351, 353, 453, 455, 456 and 458.

Major Electives..... 18 hours
Introductory Geoscience Laboratory (6 hours)
Select two courses from: GEO 110, 210, GLY 104, 107, 108,
109.

Upper Division Major Electives

Choose 12 hours from the following: GEO 302W, 315, 321, 325 or 325S, 349, 349 A-N, 435, 450, 501, GLY 303, 315, 349, 349 A-N, 351, 408, 410, 451, 498, 535, CIS 335, CON 320, 321.

Capstone Course.....3 hours

Choose from: GEO 349, 349 A-N, 498, GLY 349, 349 A-N, 498, 499.

Supporting Course Requirements.....6-7 hours

STA 215, 270(4), or MAT 120 or higher (^gElement 2); ENG 300 or 300S; CSC 160 or 174.

Free Electives.....34-35 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
GEOLOGY
CIP Code: 40.0601**

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar SCO 100..... 1 hour (waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Geology majors will fulfill ACCT with GLY 498 and 499, or 451(6). (*Credit hours are incorporated into program requirements below.*)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses35 hours

GLY 309(4), 409(4), 410(4), 415(4), 420(4), and 450W; GLY 498 and 499, or 451(6); Six (6) hours from the following: GLY 102, 104, 107, 108, 109, or GEO 210.

Required Concentrations (select one):

Academic.....25-26 hours
CHE 112/112L(4); MAT 217(1-2); MAT 234(4) or 234H(4); PHY 131(5) or 201(5); PHY 132(5) or 202(5); and six (6) hours from the following: GEO 302W, 315, 325, 343, 351, 353, 453, 455, 456, 458, GLY 303, 315, 351, 408, 480, 482, 512, 535, 580, STA 215 or 270.

Professional..... 21 hours
GEO 353, 456; GLY 315, 535; PHY 101; and six (6) hours from the following: GEO 302W, 315, 325, 343, 351, 453, 455, 458, GLY 303, 351, 408, 480, 482, 512, 580

Supporting Course Requirements.....3 hours

CHE 111/111L(4) (^gElement 4), MAT 122(5) (^gElement 2).
^g = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives..... 19-24 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

MINORS

MINOR IN EARTH SCIENCE/TEACHING

A student may minor in earth science (teaching) by

completing a minimum of 21 semester hours as follows: GLY 104, 108, 109; GEO 315; AST 135; and any two from the following: GLY 303, 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.

MINOR IN GEOGRAPHY

A student may minor in geography by completing a total of 18 semester hours as follows: GEO 100, 210, 353, and nine hours of geography electives, six of which must be at the 300-level or above.

MINOR IN GEOLOGY

A student may minor in Geology by completing a minimum of 18 semester hours as follows: a maximum of six hours from GLY 102 or 104 or 107 or 108 or 109; a minimum of 12 additional hours of upper-division geology courses.

CONCENTRATIONS

GEOGRAPHIC INFORMATION SYSTEMS CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Geographic Information Systems Concentration requirements listed in the Associate of Arts in General Studies degree section.

GEOGRAPHY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Geography Concentration requirements listed in the Associate of Arts in General Studies degree section.

GEOLOGY CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 81 of this *Catalog* for the Geology Concentration requirements listed in the Associate of Arts in General Studies degree section.

CERTIFICATE

CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

Introductory Geoscience Laboratory Requirement.....3 hours

Select from GEO 110, GEO 210, GLY 102, GLY 104, GLY 107, GLY 108, or GLY 109.

Core Requirements.....9 hours

GEO 353, GEO 456, and GEO 453.

Electives.....12 hours

Select from: GEO 351, GEO 455, GEO 458, GEO 501, GEO 398 or GEO 495 or GEO 498 or GLY 499 (if topic is appropriate), GLY 351, AEM 195, CON 221, STA 215 or 270 or 500, CSC 160 or 174 or 177, CSC 190.

Total Curriculum Requirements.....24 hours

DEPARTMENT OF MATHEMATICS AND STATISTICS

Chair
Dr. Daniel Mundfrom
(859) 622-5942
Wallace 312

Faculty

B. Balman, R. Bishop-Ross, A. Brock, T. Burus, R. Buskirk, S. Clift, P. Coen, P. (Patricia) Costello, M. Cropper, A. Ellis, K. Fair, D. Gibson, J. Grogan, J. Harber, L. Kay, C. Liu, A. Maison, D. Mundfrom, J. Neugebauer, M. Osborne, S. Redmond, A. Sit, M. Smith, M. Stribling, S. Szabo, R. Thomas, B. Xu, and M. Yoder

The Department of Mathematics and Statistics offers degrees and minors in these disciplines, as well as providing developmental, college readiness, and general education mathematics and statistics courses. Developmental mathematics courses are taught in one-credit-hour modules, and students are allowed to attempt to pass modules multiple times within the same semester. However, students should be aware that any student who does not pass MAT 095 Module A after four attempts (four blocks) may be required to take MAT 090 (Modules A, B, and C) before attempting MAT 095 again.

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
MATHEMATICS**
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.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (SCO 100M; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Mathematics majors will fulfill ACCT requirements with any of the following: a 349 Co-op experience in any subject area, a program-approved service-learning course, a program-approved undergraduate scholarly or creative activity, HON 420 with a program-approved thesis topic, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours may be incorporated into Major or Supporting Course requirements.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

- Core Courses 40 hours**
- a. MAT 234(4) or 234H(4); MAT 239; MAT 244(4) or 244H(4); MAT 254(4) or 254H(4); MAT 301, 308, and 315; MAT 408 or 415; MAT 498(1).
 - b. One additional MAT course chosen from 408, 415, or any course numbered 505 or above (507 only with departmental approval)
 - c. Select nine hours from CSC 300, 320, any MAT course numbered 300 or above (except for 303, 349, 501, and 502), or any STA course numbered 300 or above (except for 349, 500, and 503). No more than six hours of STA courses may be used to fulfill this requirement.
 - d. At least five upper division courses which satisfy the major requirements must be completed at EKU.
 - e. Only courses completed with a grade of at least “C” will count toward the major requirements.

Supporting Course Requirements 4 hours
CSC 160, 177, or 190; STA 270(4) (3 hours count toward ⁶Element 2).

⁶ = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

Free Electives..... 40 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 HOURS TO COMPLETE DEGREE 120 hours

**BACHELOR OF SCIENCE (B.S.)
MATHEMATICS &
MASTER OF SCIENCE (M.S.)
MATHEMATICAL SCIENCES
ACCELERATED 3+2 DUAL DEGREE PROGRAM**
CIP Code: 27.0101

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their BS degree and MS degree within 5 calendar years because of the accelerated curriculum; nine semester hours of graduate coursework will apply to both the undergraduate BS degree and the graduate MS degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer school classes may be needed.

Admission Requirements for the 3 + 2 Program:

Students interested in this program must satisfy all the following conditions:

1. Have Junior or Senior standing
2. Have an overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Be approved by both the Department of Mathematics and Statistics and the Graduate School (see the 3+2 Enrollment Approval Form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Maintain an overall undergraduate and graduate GPA of at least 3.0 to continue each semester with 3+2 coursework
5. Have a institutional undergraduate and graduate GPA of at least 3.0 to be allowed to move into graduate student status

after earning the B.S. Mathematics degree

Program Requirements

Students in the 3+2 Accelerated Dual Degree Option must complete the Mathematics (B.S.) program requirements listed below, with at least a 3.0 GPA, and must apply and be approved to graduate with that degree before being admitted as a graduate student and allowed to proceed to the M.S. in Mathematical Sciences Program. Nine credit hours of graduate coursework (STA 720, MAT 809, and MAT 815) will be applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (SCO 100M; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Mathematics majors will fulfill ACCT requirements with any of the following: a 349 Co-op experience in any subject area, a program-approved service-learning course, a program-approved undergraduate scholarly or creative activity, HON 420 with a program-approved thesis topic, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours may be incorporated into Major or Supporting Course requirements.)

Total Hours University Graduation Requirements ... 37 hours

BS MATHEMATICS 3+2 MAJOR REQUIREMENTS

Core Courses 40 hours

- a) MAT 234(4) or 234H(4), 239, 244(4) or 244H(4), 254(4) or 254H(4), 301, 308, 315, 408, 415, 498(1), 809, 850, STA 720.
- b) At least five upper division courses which satisfy the major requirements must be completed at EKU.
- c) Only courses completed with a grade of at least “C” will count toward the major requirements.

Supporting Course Requirements 4 hours

CSC 160, 177, or 190; STA 270(4) (3 hours count toward Element 2).

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 HOURS TO COMPLETE DEGREE 120 hours

M.S. MATHEMATICAL SCIENCES PROGRAM REQUIREMENTS

Core Requirement 15 hours

MAT 809, 810, 815, 850, and three hours from MAT 720, 755, 760, or STA 720. No course may be counted under both core requirements and concentration requirements.

Exit Requirement

GRD 857h or MAT 899

General Program

Electives' 15 hours

Fifteen hours of advisor-approved electives selected from 700- or 800-level courses with MAE, MAT, STA, or CSC prefixes.

Concentration in Mathematics

Concentration Requirements 9 hours

Nine hours of 700- or 800-level courses with MAT prefixes. Only three hours of MAT 880 may count toward fulfilling the

concentration requirements.

Electives' 6 hours

Six hours of advisor-approved electives selected from 700- or 800-level courses with MAE, MAT, STA, or CSC prefixes.

Concentration in Computer Science

Concentration Requirements 12 hours

CSC 730, 831, and six hours from CSC 720, 744, 745, 746, 747, 748, 750, 815, 825, 833, 834, 842, or 880. Only three hours of CSC 880 may count toward fulfilling the concentration requirements.

Electives' 3 hours

Three hours of advisor-approved electives selected from 700- or 800-level courses with MAE, MAT, STA, or CSC prefixes.

Concentration in Statistics

Concentration Requirements 12 hours

Twelve hours from STA 707, STA 720, 721, 770, 775, 785, 835, 840, or 880. Only three hours of STA 880 may count toward fulfilling the concentration requirement.

Electives' 3 hours

Three hours of advisor-approved electives selected from 700- or 800-level courses with MAE, MAT, STA, or CSC prefixes.

¹No student in any concentration can apply more than 12 hours of CSC or 12 hours of STA credits toward the M.S. degree. Each student must apply 15 or more hours of MAT credits, at least 12 of which are from 800-level courses, toward the M.S. degree. Electives may include 3-6 hours of MAT 899 (Thesis).

IV. EXIT REQUIREMENTS

Comprehensive Examination or Thesis—Each student is required to pass a written examination (GRD 857h) covering the various components of the candidate’s program or to complete 3-6 hours of MAT 899 (Thesis). A student who elects to submit a thesis for partial fulfillment of the requirements of the Master of Science in Mathematical Sciences must prepare it in conformity with the regulations approved by the Graduate Council and the Department of Mathematics and Statistics. Detailed information concerning the preparation and submission of the thesis may be obtained from the program coordinator.

Each student must apply 15 or more hours from 800-level courses toward the M.S. degree.

TOTAL HOURS TO COMPLETE M.S. DEGREE .. 30 hours

**BACHELOR OF SCIENCE (B.S.)
MATHEMATICS/TEACHING
CIP Code: 13.1311**

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.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (SCO 100M; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Mathematics Teaching majors will fulfill ACCT with CED 499. (Credit hours may be incorporated into Major or Supporting Course requirements.)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

All courses must be completed with a grade of at least “C” and the student must meet the GPA requirements listed in the College of Education section under The Office of Teacher Education Services. At least five upper-division courses which satisfy the major requirements must be completed at EKU.

Core Courses29 hours

MAT 234(4) or 234H(4); MAT 239; MAT 244(4) or 244H(4); MAT 301, 306, 308, 334, 380, and MAE 475.

Concentrations:

Mathematics Teaching.....10-13 hours

MAT 254(4) or 254H(4) and one of the following combinations:

- General Combination: MAT 315 and three additional hours of courses chosen from CSC 300, 320; any MAT course numbered 300 or above (except for 303, 349, 501, or 502), or any STA course numbered 300 or above (except for 349, 500, or 503).
- Statistics Combination: STA 340; STA 470 or 520; STA 375 or 585.

Computer Science/Mathematics Teaching.....15 hours

CSC 190, 191, 195, 310, and three hours from CSC 250, 330, or 340.

Supporting Course Requirements:

Mathematics Teaching.....4 hours

CSC 160, 177, or 190; STA 270(4) (3 hours count as ^GElement 2).

Computer Science/Mathematics Teaching.....1^G hours

STA 270(4) (3 hours count as ^GElement 2).

Professional Education Requirements37 hours

EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, and 490; ESE 550 or MAE 550; SED 104 (^GElement 6), and 11 credit hours of Clinical Experiences: CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

Free Electives.....0-3 hours

TOTAL HOURS TO COMPLETE DEGREE120 hours

BACHELOR OF SCIENCE (B.S.)

STATISTICS

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.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar (SCO 100M; waived for transfers with 30+ hrs.)..... 1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hours distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – Statistics majors will fulfill ACCT with any of the following: a 349 Co-op experience in any subject area, a program-approved service-learning course, a program-approved undergraduate scholarly or creative activity, HON 420 with a program-approved thesis topic, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours may be incorporated into Major or Supporting Course requirements)

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses 40 hours

- a) STA 270(4), 340, 498(1), 520, 521, and 585.
- b) Six hours from STA 375, 380, 470, 570, 575, or 580 (must include at least one of STA 575 or 580).
- c) MAT 239; MAT 244(4) or 244H(4); MAT 254(4) or 254H(4).
- d) Six hours from CSC/MAT/STA courses numbered 300 or above (excluding: any 349 courses, CSC 306, MAT 303, 501, 502, STA 500). STA 480 will count for only approved topics. Courses cannot count for both point b and point d.
- e) Only courses completed with a grade of at least a “C” will count toward the major requirements.

Supporting Course Requirements 4 hours

CSC 160, 174, 177, or 190; MAT 234(4) (^G3 hours count toward ^GElement 2) or 234H(4) (^G3 hours count toward ^GElement 2).

^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

Free Electives..... 39 hours

TOTAL HOURS TO COMPLETE DEGREE 120 hours

MINORS

MINOR IN ACTUARIAL SCIENCE

A student may minor in actuarial science by completing 23 hours as follows: MAT 234(4) or 234H(4); MAT 244(4) or 244H(4); MAT 520 or STA 520; STA 270(4), 340, 470, and 485(2).

MINOR IN MATHEMATICAL SCIENCES

A student may minor in mathematical sciences by completing 21 hours as follows: 6 hours from CSC 160, 190, or 191; MAT 234(4) or 234H(4); MAT 244(4) or 244H(4); STA 270(4); and STA 340.

MINOR IN MATHEMATICS

A student may minor in mathematics by completing 18 hours as follows: MAT 234(4) or 234H(4); MAT 244(4) or 244H(4); and 10 hours from MAT 239, 254(4), 254H(4), STA 470, 520, or any MAT course numbered 300 or above (except for MAT 303, 349, and

480). Only one of MAT 520, STA 470, and STA 520 may count toward the minor. MAT 480 may be approved to count toward the minor depending on the topic chosen.

MINOR IN MATHEMATICS/TEACHING

A student may minor in mathematics teaching by completing 21 hours as follows: MAT 234(4) or 234H(4); MAT 239; MAT 244(4) or 244H(4); MAT 301, 334, and STA 270(4). All courses must be completed with a grade of at least “C” and the GPA in the courses used for the minor must be at least 2.75. The teaching minor in mathematics must be coupled with a secondary teaching major in another discipline.

MINOR IN STATISTICS

A student may minor in statistics by completing 18-21 hours as follows:

- a) STA 215 or STA 270(4); 340;
- b) 6 hours selected from STA courses numbered 300 or above (except for 340, 349, or 500);
- c) 6-8 hours selected from STA courses numbered 300 or above (except for 340, 349, or 500); a CSC course (except for 140, 306, or 349); or calculus courses with an MAT prefix. No more than three hours of CSC courses may be used to fulfill this requirement.
- d) A maximum of one course from MAT 234(4), 234H(4), or 211 can count toward the minor.
- e) No course may be used to satisfy both b) and c) above.

CONCENTRATION

MATHEMATICAL SCIENCES CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Mathematical Sciences Concentration requirements listed in the Associate of Arts in General Studies degree section.

DEPARTMENT OF PHYSICS AND ASTRONOMY

Chair

Dr. Anthony Blose
(859) 622-1521
NSB 3140

Faculty

A. Blose, M. Ciocca, T. Jarvis, J. Lair, R. Piercey, M. Pitts, J. Wang, and G. Yoder

BACCALAUREATE DEGREES

**BACHELOR OF SCIENCE (B.S.)
PHYSICS
CIP Code: 40.0801**

Program Objectives

Upon completion of this program the graduate will: 1) be able to apply mathematics to analyze problems in Physics; 2) be able to use fundamental physical results, such as conservation laws, to study physical systems; 3) be able to analyze important processes occurring in physical systems. Additionally, graduates of this program will 1) be prepared for employment in Physics or a related field in the public or private sector; 2) be prepared for admission to a graduate program in Physics or a related field. 3) be prepared to take and pass the Praxis exam in Physics; and physics teaching majors will be prepared to teach Physics in a secondary school.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education..... 36 hours
- Student Success Seminar 1 hour
- (SCO 100P; waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT – (Credit hours may be incorporated into Major or Supporting requirements.) Physics majors will select one of the following: CED 499, PHY 349, 349A-N, 406, 406W, 410, 470, HON 420, a program-approved Leadership experience, or a program-approved Study Abroad.

Total Hours University Graduation Requirements ... 37 hours

MAJOR REQUIREMENTS

Core Courses21 hours
PHY 201(5), and 202(5), 211(4); PHY 302 or 302W(4); PHY 406 or 406W. At the discretion of the chair, PHY 131 may be substituted for PHY 201 and for teaching majors PHY 132 may be substituted for 202.

Concentrations:

Physics (General)23 hours
PHY 310; 421, 422, 456(4), 460(4), 470, and 3 credit hours from any PHY course numbered 300 and above, except PHY 506.
Engineering Physics20 hours
PHY 221, 310, 315(4), 375, 460(4), and 3 credit hours from:

CSC 300, EET 253, 257, 350, PHY 303, 402, 410(1-6), 411(1-6), 412(1-6), or STA 270(4).

Physics Teaching.....9 hours
AST 135, and 335; and 3 credit hours from PHY courses numbered 300 and above.

Supporting Course Requirements (General Physics)..20 hours
CHE 111/111L(4)^{(C)Element4}, 112/112L(4); CSC 174 or 190 (or any departmentally approved programming language course); MAT 234*(4)^{(C)Element 2} or 234H*(4) ^{(C)Element 2}); MAT 244(4) or 244H(4); MAT 254(4) or 254H(4); MAT 353.

Supporting Course Requirements (Engineering Physics).....23 hours
CHE 111/111L(4)^{(C)Element4}, 112/112L(4); CSC 174 or 190 (or any departmentally approved programming language course); EET 252, MAT 234*(4)^{(C)Element 2} or 234H*(4) ^{(C)Element 2}); MAT 244(4) or 244H(4); MAT 254(4) or 254H(4); MAT 353.

Supporting Course Requirements (Physics Teaching)..10 hours
BIO 100^{(C)Element 4} or 102^{(C)Element 4}); CHE 111/111L(4) ^{(C)Element 4}), and 112/112L(4); MAT 234*(4) ^{(C)Element 2} or 234H*(4)^{(C)Element 2}); MAT 244(4) or 244H(4).

**A preparatory course (MAT 122) in mathematics may be required before admission to MAT 234.*

^G = Course also satisfies a General Education element.

Hours are included within the 36 hr. General Education requirement above. Note that a max of 3 credit hours from one course may be applied each to any Gen. Ed. element.

Professional Education Requirements (Physics teaching majors only) 37 hours
EDC 300, EDF 203, 204(2), 219, 413, EMS 300W, 474, 490, ESE 561, SED 104 ^{(C)Element 6}), and 11 credit hours of Clinical Experiences:
CED 100(0), 200(0), 300(0.5), 400(0.5), 450(1), 499(9).

Free Electives6-19 hours**

TOTAL HOURS TO COMPLETE DEGREE120 hours

****Students who are interested in Medical Physics graduate programs are encouraged to take EHS 510 as a free elective.**

MINORS

MINOR IN PHYSICS

A student may complete a minor in physics by taking PHY 201, 202, and a minimum of eight 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 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.

CONCENTRATION

PHYSICS AND ENGINEERING CONCENTRATION IN THE ASSOCIATE OF ARTS IN GENERAL STUDIES DEGREE

See page 82 of this *Catalog* for the Physics and Engineering Concentration requirements listed in the Associate of Arts in General Studies degree section.

DEPARTMENT OF BIOLOGICAL SCIENCES

BIOLOGY B.S. - AQUATICS CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B..... 1	BIO 319 4	BIO 315 4	BIO 495..... 1
BIO 111 4	CHE 361 3	BIO 542..... 3	BIO 542.....3
CHE 111 (Gen. Ed. E-4) 3	CHE 361L..... 1	PHY 131 or 201 (Gen. Ed. E-4) ..5	BIO 557 3
CHE 111L..... 1	STA 215 OR 270..... 3-4	Gen. Ed. E-5A 3	Free Electives..... 6
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-1C..... 3	Free elective.....3	Total 13
Gen. Ed. 3A.....3	Free Elective 0-1	Total 15	
Total 15	Total 15		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112..... 4	BIO 318 4	BIO 320..... 4	BIO 525.....3
CHE 112..... 3	BIO 316 4	Gen. Ed. E-6..... 3	BIO 558.....3
CHE 112L 1	Gen. Ed. E-6..... 3	Free Elective 9	BIO 556, 561 or GLY 315 3
MAT 234, 234H or 211..... 3-4	Gen. Ed. E-3B 3	Total 16	Free Elective 3
(Gen. Ed. E-2)	Free Elective 1		Free Elective (upper division)..2
Gen. Ed. E-1B (ENG102) 3	Total 17		Total 14
Free Elective 0-1			
Total 15			

BIOLOGY B.S. - BOTANY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B..... 1	BIO 318 4	BIO 315 4	BIO 522, 525, 536, or 599.... 3
BIO 111 4	CHE 361 3	PHY 131 or 201 (Gen. Ed. E-4) 5	Gen. Ed. E-6..... 3
CHE 111 (Gen. Ed. E-4) 3	CHE 361L..... 1	Free electives.....6	Free Elective 6
CHE 111L..... 1	STA 215 OR 270..... 3	Total 15	Total 16
Gen. Ed. E-1A..... 3	Gen. Ed. E-1C..... 3		
Gen. Ed. 3A.....3	Free elective.....0-1		
Total 15	Total 14		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112..... 4	BIO 316 4	BIO 320..... 4	BIO 598..... 2-3
CHE 112..... 3	BIO 319 4	Gen. Ed. E-5B 3	BIO 495..... 1
CHE 112L 1	BIO 335..... 3	Gen. Ed. E-5A 3	Gen. Ed. E-6..... 3
MAT 234, 234H or 211..... 3-4	Gen. Ed. E-3B 3	300+ Level Elective 3	Free Elective 3
(Gen. Ed. E-2)	Free elective.....1	Free Elective 3	Free Elective.....0-1
Gen. Ed. E-1B..... 3	Total 15	Total 16	Total 13
Free Elective 0-1			
Total 15			

BIOLOGY B.S. - GENERAL BIOLOGY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B..... 1	BIO 318 4	BIO 315 4	BIO 316 4
BIO 111 4	CHE 361 3	PHY 131 or 201 (Gen. Ed. E-4) 5	Gen. Ed. E-6..... 3
CHE 111 (Gen. Ed. E-4) 3	CHE 361L..... 1	Gen. Ed. E-5A 3	300+ Level Elective 3
CHE 111L..... 1	STA 215 OR 270..... 3-4	Gen. Ed. E-6..... 3	Free Elective 6
Gen. Ed. E-1A ENG 101 3	Gen. Ed. E-1C..... 3	Total 15	Total 16
Gen. Ed. 3A.....3	Free Elective 0-1		
Total 15	Total 15		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112..... 4	BIO 319 4	BIO 320..... 4	BIO 300+ Requirement..... 3
CHE 112..... 3	BIO Upper Division course . 3	BIO Upper Division course . 3	BIO 495..... 1
CHE 112L 1	Gen. Ed. E-3B 3	BIO Upper Division course . 3	Free Elective 3
Gen. Ed. E-1B..... 3	Free Elective 3	Gen. Ed. E-5B 3	Free Elective 3
MAT 234, 234H or 211..... 3-4	Free Elective 3	Free Elective 2	Free Elective 3
(Gen. Ed. E-2)	Total 16	Total 15	Total 13
Free Elective 0-1			
Total 15			

BIOLOGY B.S. - TEACHING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B 1	BIO 319 4	EDC 300 3	ESE 561.....3
BIO 111 4	CHE 361 3	EDF 204.....2	CED 450 (fall only).....1
CHE 111 (Gen. Ed. E-4) 3	CHE 361L..... 1	CED 300.....0.5	BIO 316.....4
CHE 111L 1	Gen. Ed. E-1C..... 3	EMS 300W.....3	BIO 495.....1
MAT course (Gen. Ed. E-2)...3-5	Gen. Ed. E-3B 3	BIO 315.....4	STA 215 or 270.....3-4
Gen. Ed. E-1A (ENG 101)..... 3	Gen. Ed. E-5B 3	PHY 131 or 201.....5	Gen. Ed. 6 (Diversity).....3
Total 15-17	Total 17	Total 17.5	Total.....15-16
Second Semester	Second Semester	Second Semester	Second Semester
EDF 203.....3	EDF 219 3	EDF 413.....3	CED 499.....9
CED 100.....0	CED 200.....0	EMS 490 (spring only).....3	EMS 474.....3
SED 104.....3	BIO 318 4	CED 400.....0.5	Total 12
BIO 112..... 4	CHE 362..... 3	BIO 320 (ACCT).....4	
CHE 112..... 3	CHE 362L..... 1	BIO 348.....4	
CHE 112L 1	Gen. Ed. E-3A 3	PHY 132, 202 or GLY 108....3-5	
Gen. Ed. E-1B ENG 102 3	Gen. Ed. E-5A.....3	Total.....17.5-19.5	
Total 17	Total 17		

BIOMEDICAL SCIENCES B.S. - BIOMEDICAL RESEARCH CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	CHE 430 or 431.....3	BIO 531.....4
BIO 111 .....4	CHE 361.....3	Gen Ed. 5B.....3	Restricted Elective .....3-4
CHE 111 (Gen. Ed. E-4) 3	CHE 361L.....1	BIO 319 or 318.....4	Gen Ed. 3A.....3
CHE 111L.....1	PHY 131 or PHY 201 (fulfills Gen. Ed. 4).....5	BIO 348.....3	Free Elective.....3-4
Gen. Ed. E-1A.....3	Gen. Ed. 6 .....3	PHI 383 or 383W.....3	Total.....14-15
STA270 or 215 (Gen. Ed.2)...3-4	Total .....15-16	Total .....16	
Total .....15-16			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 332.....1	BIO 315.....4	BIO 495.....1
CHE 112.....3	BIO 320 (ACCT) .....4	CHE 432.....1	Restricted Elective .....3-4
CHE 112L .....1	CHE 362.....3	Gen. Ed. 5A (History).....3	Gen Ed. 3B (Humanities).....3
Gen. Ed. E-1B ENG 102 3	CHE 362L .....1	Restricted Elective .....3-4	Gen. Ed. 6 (Diversity).....3
MAT 234 or 234H.....4	INF 104 .....3	Free Elective.....3-4	Free elective.....3-4
Total 15	Gen. Ed. 1C.....3	Total.....14	Total.....14
	Total .....15		

BIOMEDICAL SCIENCES B.S. - PRE-DENTAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	BIO 348.....3	BIO 342 or Free Elective.....4
BIO 111 .....4	CHE 361.....3	CHE 430 or CHE 431.....3	Restricted Elective.....3-4
CHE 111 (Gen. Ed. E-4) 3	CHE 361L.....1	PHI 383 or 383W.....3	Free Elective.....3
CHE 111L.....1	PHY 131 or PHY 201 (fulfills Gen. Ed. 4).....5	Gen. Ed. 6 .....3	Free Elective .....0-3
MAT 120 or higher.....3-5	STA 270 or STA 215 (fulfills Gen. Ed. 2).....3-4	Gen. Ed. 5A.....3	Total.....13-14
Gen. Ed. E-1A ENG 101 3	Total 15-16	Total .....15	
Total 15-17			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 320 (ACCT) .....4	BIO 315.....4	BIO 546 (spring only) or Free Elective.....4
CHE 112.....3	BIO 332.....1	INF 104.....3	BIO 495.....1
CHE 112L .....1	CHE 362.....3	Restricted Elective .....3-4	Restricted Elective.....3-4
BIO 318 or 319 .....4	CHE 362L .....1	Gen. Ed. 3B.....3	Gen Ed. 3A.....3
Gen. Ed. E-1B ENG 102 3	Gen. Ed. 1C.....3	Gen. Ed. 6.....3	Free Elective.....2
Total 15	Gen. Ed. 5B .....3	Total.....16-17	Total.....13-16
	Total .....15		

SCIENCE

BIOMEDICAL SCIENCES B.S. - PRE-MEDICAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	CHE 430 fall only.....3	BIO 318 or 319.....4
BIO 111 .....4	CHE 361.....3	STA 215 or 270.....3-4	Restricted Elective.....3-4
CHE 111 (Gen. Ed. E-4) .....3	CHE 361L.....1	BIO 348.....3	Gen. Ed. 3A (Arts).....3
CHE 111L.....1	PHY 131 or PHY 201 (Gen. Ed. 4)..	PHI 383 or 383W.....3	Free Elective.....3
MAT 120 or higher.....3-5	.....5	Gen. Ed. E-6.....3	Free Elective.....0-2
Gen. Ed. E-1A ENG 101 .....3	Gen.Ed. 1C.....3	Total .....15-16	Total.....13-14
Total .....15-17	Total .....15		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 332.....1	BIO 315.....4	BIO 495.....1
CHE 112.....3	BIO 320 (ACCT) .....4	CHE 431 spring only.....3	Gen Ed. 6 (Diversity).....3
CHE 112L .....1	CHE 362.....3	INF 104.....3	Gen Ed 3B.....3
PSY 200 or 200W.....3	CHE 362L .....1	Restricted Elective .....3-4	Gen Ed 5A.....3
Gen. Ed. E-1B ENG 102 .....3	PHY 132 or 202.....5	Total.....13-14	Free Elective.....3
Gen. Ed. 5B (SOC).....3	Free Elective .....3		Free Elective.....0-2
Total .....17	Total .....17		Total.....13-15

BIOMEDICAL SCIENCES B.S. - PRE-OPTOMETRY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	BIO 348.....3	BIO/CHE Elective.....3-4
BIO 111 .....4	CHE 361.....3	CHE 362.....3	CHE 430 or 431.....3
CHE 111 (Gen. Ed. E-4) .....3	CHE 361L.....1	CHE 362L.....1	Gen. Ed. 3A (Arts).....3
CHE 111L.....1	MAT 234 or 234H.....4	PHI 383 or 383W.....3	Gen. Ed. 6 (Diversity).....3
Gen. Ed. E-1A ENG 101 .....3	PHY 131 or PHY 201 (Gen. Ed. 4)..	STA 215 or 270.....3-4	Free Elective .....0-3
Gen. Ed. E-6.....3	.....5	INF 104 .....3	Total.....12-16
Total .....15	Total .....16	Total .....16-17	
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 318 or 319 .....4	BIO 315.....4	BIO 495.....1
CHE 112.....3	BIO 320 (ACCT) .....4	Gen. Ed. 3B.....3	BIO/CHE Elective.....3-4
CHE 112L .....1	BIO 332.....1	Free Elective .....3	Gen Ed. 5A.....3
Gen. Ed. E-1B ENG 102 .....3	PHY 132 or 202.....5	Total.....13	Restricted Elective.....3
PSY 200 or 200W.....3	Gen. Ed. E-1C.....3		Free Elective.....4
Free elective.....1	Total .....17		Total.....13-14
Total .....15			

BIOMEDICAL SCIENCES B.S. - PRE-PHYSICIAN ASSISTANT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	BIO 342.....4	Restricted Elective.....3-4
BIO 111 .....4	CHE 361.....3	BIO 348.....3	Gen. Ed. 3A (Arts).....3
CHE 111 (Gen. Ed. E-4) .....3	CHE 361L.....1	PHI 383 or 383W.....3	Gen. Ed. 6 (Diversity).....3
CHE 111L.....1	PHY 131 or PHY 201 (Gen. Ed. 4)..	Free elective.....2-3	Free Elective .....3
MAT 120 or higher.....3-5	.....5	STA 215 or 270.....3-4	Free Elective .....0-3
Gen. Ed. E-1A ENG 101 .....3	ANT 120 or SOC 131 .....3	Total .....15-16	Total.....13-14
Total .....15-17	Total .....15		
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 318 or 319 .....4	BIO 315.....4	BIO 495.....1
CHE 112.....3	BIO 332.....1	INF 104.....3	Restricted Elective.....3-4
CHE 112L .....1	BIO 320 (ACCT) .....4	Gen. Ed. 1C (CMS 100 or 210).....3	Gen Ed. 6 (Diversity).....3
EMC 105.....1	ENC 105 or HSA 200.....1-3	Gen. Ed 3B.....3	Free Elective.....4
PSY 200 or 200W.....3	PSY 280 or 280W .....3	Gen. Ed 5A.....3	Free Elective.....0-3
Gen. Ed. E-1B ENG 102 .....3	Total .....15	Total.....16	Free Elective.....0-2
Total .....15			Total.....12-15

BIOMEDICAL SCIENCES B.S. - PRE-VETERINARY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	BIO 331.....3	BIO 348.....3	AGR 321 or Restricted
BIO 111 .....4	CHE 361.....3	CHE 430 or 431.....3	Elective.....3-4
CHE 111 (Gen. Ed. E-4) .....3	CHE 361L.....1	PHI 383 or 383W.....3	Gen. Ed. 3A (Arts).....3
CHE 111L.....1	PHY 131 or PHY 201 (Gen. Ed. 4)..	Restricted Elective.....3-4	Gen. Ed. 6 (Diversity).....3
MAT 120 or higher.....3-5	.....5	Free Elective.....3	Free Elective.....3
Gen. Ed. E-1A ENG 101 .....3	STA215 or 270.....3-4	Total .....15-16	Free Elective .....0-3
Total .....15-17	Total .....15-16		Total.....12-16
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112.....4	BIO 320 (ACCT) .....4	BIO 315.....4	AGR 421 or Restricted
CHE 112.....3	BIO 332.....1	INF 104.....3	Elective.....3-4
CHE 112L.....1	CHE 362.....3	Gen. Ed 5A.....3	BIO 495.....1
BIO 318 or 319 .....4	CHE 362L.....1	Gen. Ed. 6 .....3	Restricted Elective.....3-4
Gen. Ed. E-1B ENG 102 .....3	Gen. Ed. 5B .....3	Gen. Ed. 3B.....3	Elective.....3
Total .....15	Gen. Ed. 1C.....3	Total.....16	Elective.....0-3
	Total .....15		Total.....13-14

WILDLIFE MANAGEMENT B.S. CONSERVATION MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	AGR 215 .....3	BIO 553, 554, or 556.....3	BIO 495.....1
BIO 112 (Gen. Ed. E-4) .....4	BIO 318 .....4	WLD 381 .....3	BIO 532 .....3
CHE 101 (Gen. Ed. E-4) .....3	GEO 353.....3	WLD 382.....4	BIO 557.....3
CHE 101L.....1	STA 215 or 270.....3-4	Gen. Ed. E-5A .....3	WLD 489W.....3
Gen. Ed. E-1A ENG 101 .....3	Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	Free Elective.....2-3
MAT 120, 211, 234 or 234H... 3-4	Total .....16-17	Total .....16	Total .....12-13
(Gen. Ed. E-2)			
Total .....15-16			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 111 .....4	BIO 316 .....4	BIO 335 .....3	BIO 520 .....3
CHE 102.....3	BIO 319 .....4	BIO 558 or 561.....3	BIO 553, 554, or 556.....3
CHE 102L.....1	GEO 325 or 453.....3	WLD 585.....3	GEO 325, 453, or WLD 587...3
GEO 210 Gen. Ed. E-4 .....3	Gen. Ed. E-3A .....3	Gen. Ed. E-3B .....3	WLD 586.....4
Gen. Ed. E-1B ENG 102 .....3	Gen. Ed. E-6.....3	Gen. Ed. E-5B .....3	Total .....13
Free Elective.....0-1	Total .....17	Total .....15	
Total .....14-15			

WILDLIFE MANAGEMENT B.S. GAME MANAGEMENT CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100B.....1	AGR 215 .....3	BIO 553, 554, or 556.....3	BIO 495.....1
BIO 112 (Gen. Ed. E-4) .....4	BIO 318 .....4	WLD 381 .....3	BIO 532 .....3
CHE 101 (Gen. Ed. E-4) .....3	GEO 353.....3	WLD 382.....4	BIO 557.....3
CHE 101L.....1	STA 215 or 270.....3-4	Free Elective .....0-1	WLD 584.....3
MAT 120, 211, 234 or 234H (Gen. Ed. E-2).....3-4	Gen. Ed. E-1C.....3	Gen. Ed. E-6.....3	Total .....14
Gen. Ed. E-1A ENG 101 .....3	Total .....16-17	Total .....13-14	
Total .....15-16			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 111 .....4	AGR 115.....2	BIO 335 .....3	BIO 553, 554, or 556.....3
CHE 102.....3	BIO 316 .....4	BIO 558 or 561.....3	WLD 489W.....3
CHE 102L.....1	BIO 319 .....4	WLD 585.....3	WLD 586.....4
GEO 210 Gen. Ed. E-4 .....3	Gen. Ed. E-3A .....3	Gen. Ed. E-3B .....3	Free Elective.....2-3
Gen. Ed. E-1B ENG 101 .....3	Gen. Ed. E-6.....3	Gen. Ed. E-5B .....3	Total .....12-13
Gen. Ed. 5A.....3	Total .....16	Total .....15	
Total .....17			



DEPARTMENT OF CHEMISTRY**CHEMISTRY B.A. - CHEMISTRY CONCENTRATION**

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100C.....	1	CHE 361.....	3	CHE 570.....	3	CHE 484.....	1
CHE 111.....	3	CHE 361L.....	1	Gen. Ed. E-5B.....	3	CHE 450.....	3
CHE 111L.....	1	CHE 385W.....	3	Gen. Ed. E-5A.....	3	CHE /FOR Elective.....	3
MAT 124.....	4	PHY 131 or 201.....	5	Free Elective.....	3	(400/500 level)	
(fulfills Gen. Ed. E-2)		(fulfills Gen. Ed. E-4)		(upper division)		Gen. Ed. E-6.....	3
Gen. Ed. E-1A (ENG 101).....	3	Gen. Ed. E-3B.....	3	Free Elective.....	3	Free Elective.....	3
Gen. Ed. E-3A (Arts).....	3	Total.....	15	Total.....	16	Total.....	13
Total.....	15						
Second Semester		Second Semester		Second Semester		Second Semester	
CHE 112.....	3	CHE 325.....	3	CHE 431 (spring only) or 430		CHE/FOR 400/500 Level Elective	
CHE 112L.....	1	CHE 325L.....	2	(fall only).....	3	.....	3
Gen. Ed. E-1B (ENG 102).....	3	CHE 362.....	3	CHE 425 and 425L.....	4	CHE/FOR 400/500 Level Elective	
Gen. Ed. E-1C.....	3	CHE 362L.....	1	Gen. Ed. E-6.....	3	.....	3
Gen. Ed. E-4 (Nat. Sci.).....	3	PHY 132 or 202.....	5	Free Electives.....	6	Free Electives.....	9
Free Elective.....	3	Total.....	14	Total.....	16	Total.....	15
Total.....	16						

CHEMISTRY B.A. - CHEMISTRY TEACHING CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100C.....	1	CHE 361.....	3	EDC 300.....	3	ESE 561.....	3
CHE 111.....	3	CHE 361L.....	1	EDF 204.....	2	CED 450.....	1
CHE 111L.....	1	CHE 385W.....	3	EMS 300W.....	3	(fall only)	
Gen. Ed. E-2 (MAT 234 or 234H)		GLY 302.....	3	CED 300.....	0.5	Gen. Ed. E-3A.....	3
.....	4	Gen. Ed. E-4.....	5	CHE/ FOR Elective.....	3	Gen. Ed. E-5B.....	3
Gen. Ed. E-4.....	4	(PHY 131 or 201)		(400/500 level)		CHE/ FOR Elective.....	3
(BIO 111, or 112)		30 hrs complete + apply to profes-		Gen. Ed. E-5A.....	3	(400/500 level)	
Gen. Ed. E-1A.....	3	sional education program		Gen. Ed. E-6.....	3	APPLY FOR STUDENT TEACHING	
(ENG 101)		Total.....	15	TOTAL.....	17.5	TOTAL.....	13
Total.....	16						
Second Semester		Second Semester		Second Semester		Second Semester	
EDF 203.....	3	EDF 219.....	3	EDF 413.....	3	CED 499 (ACCT).....	9
CED 100.....	0	CED 200.....	0	EMS 490 (spring only).....	3	EMS 474.....	3
Gen. Ed. E-6 (SED 104).....	3	CHE 325.....	3	CED 400.....	0.5	TOTAL.....	12
CHE 112.....	3	CHE 325L.....	2	CHE 570.....	4		
CHE 112L.....	1	CHE 362.....	3	Gen. Ed. E-3B.....	3		
Gen. Ed. E-1B (ENG 102).....	3	CHE 362L.....	1	TOTAL.....	13.5		
Gen. Ed. E-1C.....	3	PHY 132 or 202.....	5				
Total.....	16	total.....	17				

CHEMISTRY B.A. - FERMENTATION SCIENCE CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100C.....	1	CHE 361.....	3	BIO 320.....	4	CHE 570.....	4
(AGR 130 and 131) or EHS		CHE 361L.....	1	FMT 340.....	3	FMT 540.....	3
280.....	3-4	CHE 385W.....	3	AGR 430 or Gen. Ed. E-5A.....	3	Entrepreneurial/Marketing ..	3
CHE 111.....	3	Gen. Ed. E-4.....	5	Entrepreneurial/Marketing ..	3	Gen. Ed. E-6.....	3
CHE 111L.....	1	(PHY 131 or 201)		Gen. Ed. E-3B.....	3	Gen. Ed. E-3A.....	3
Gen. Ed. E-2 (MAT 234 or 234H)		ECO 230 Gen. Ed. 5B.....	3	TOTAL.....	16	TOTAL.....	16
.....	4	Total.....	15				
Gen. Ed. E-1A.....	3						
(ENG 101)							
Total.....	15-16						
Second Semester		Second Semester		Second Semester		Second Semester	
BIO 111 (Gen. Ed. E-4).....	4	CHE 325.....	3	Entrepreneurial/Marketing ..	3	FMT 345.....	2
CHE 112.....	3	CHE 325L.....	2	CRJ 410, HEA 595 or LAS 310		FMT 349, 349 A-N, 495 or 549	
CHE 112L.....	1	CHE 362.....	3	.....	3	FMT 545.....	4
Gen. Ed. E-1B (ENG 102).....	3	CHE 362L.....	1	400/500 level CHE or		Gen. Ed. E-6.....	3
Gen. Ed. E-1C.....	3	PHY 132 or 202.....	5	FMT.....	3	Free Elective.....	3-4
EHS 380 or Gen. Ed. 5A.....	3	total.....	14	Free Elective.....	3	TOTAL.....	14-15
Total.....	17			TOTAL.....	12		

CHEMISTRY B.A. - PRE-PROFESSIONAL CONCENTRATIONS			
PRE-DENTAL, PRE-MEDICAL, PRE-OPTOMETRY, PRE-PATHOLOGY ASSISTANT, OR PRE-PHARMACY			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C..... 1	BIO 171..... 3	BIO 301 (pre-pharm.) or 348 (all others)..... 3	CHE 484 1
Gen. Ed. E-4 (BIO 111)..... 4	CHE 361..... 3	BIO 378..... 1	CHE 349A or CHE 495A 1
CHE 111..... 3	CHE 361L..... 1	(pre-pharm only)	Gen. Ed. 3A..... 3
CHE 111L..... 1	CHE 385W..... 3	CHE 325..... 3	CHE 570..... 4
Gen. Ed. 2 (MAT 234 or 234H)..... 4	Gen. Ed. 4 5	CHE 325L..... 2	Free Elective 3-4
..... 4	(PHY 131 or 201)	CHE 430..... 3	Total 12-13
Gen. Ed. 1A (ENG 101) 3	Total 15	Gen. Ed. 5B PSY 200 3	
Total 16		Total 14-15	
Second Semester	Second Semester	Second Semester	Second Semester
BIO 112..... 4	CHE 362..... 3	BIO 273 or 320 (pre-pharm) or BIO 320 (all others)..... 4	CHE 349A or CHE 495B 2
CHE 112..... 3	CHE 362L 1	CHE 425 and 425L..... 4	Gen. Ed. E-6..... 3
CHE 112L 1	ECO 230 (pre-pharm.) or SOC 131 (all others)..... 3	CHE 431..... 3	Gen. Ed. E-3B 3
Gen. Ed. E-1B (ENG 102..... 3)	PHY 132 or 202..... 5	CHE 432..... 1	Free Elective 3
Gen. Ed. E-1C..... 3	PHY 132 or 202..... 5	CHE 432..... 1	Gen. Ed. 5A..... 3
Gen. Ed. 6..... 3	STA 270..... 4	PHI 383..... 3	Total 14
Total 17	Total 16	Total 15	

CHEMISTRY B.A. & M.S. ACCELERATED 3+2 DUAL DEGREE PROGRAM - CHEMISTRY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	CHE 361 .....3	CHE 425 .....3	CHE 484 .....1
CHE 111 .....3	CHE 361L.....1	CHE 425L .....1	CHE or FOR Elective .....3
CHE 111L.....1	CHE 385W .....3	CHE 430 or 431 .....3	(4xx or higher)
Gen. Ed. E-2.....4	Gen. Ed. E-4.....5	CHE 450 .....3	Free Electives.....12
(MAT 234 or 234H)	(PHY 131 or 201)	CHE 770.....4	(Undergraduate Complete = 120 hrs)
Gen. Ed. E-1A.....3	Gen. Ed. E-5B .....3	(also fulfills MS requirement)	Total .....16
(ENG 101)	Gen. Ed. E-6.....3	Free Elective .....1	
Gen. Ed. E-3A .....3	Total .....17	(CHE 484 recommended)	
Gen. Ed. E-5A .....3		Free Elective .....3	
TOTAL .....18		Total .....18	
Second Semester	Second Semester	Second Semester	Second Semester
CHE 112.....3	CHE 325.....3	CHE 715 (ACCT) .....5	CHE 810.....2
CHE 112L .....1	CHE 325L.....2	(also fulfills MS requirement)	CHE 811 or 881 .....1
Gen. Ed. E-1B.....3	CHE 362.....3	Elective.....3	CHE 822, 830, 850, or 860.....3
(ENG 102)	CHE 362L .....1	Free Elective .....6	700 Level Elective.....3
Gen. Ed. E-1C.....3	PHY 132 or 202.....5	Free Elective .....4	Total .....9
Gen. Ed. E-3B .....3	Gen. Ed. E-6.....3	Total .....18	
Gen. Ed. E-4.....4	Total .....17		
TOTAL .....17			
	GRADUATE YEAR	GRADUATE YEAR	
	First Semester	Second Semester	
	CHE 811 .....1	CHE 880 .....1	
	CHE 880 .....1	CHE 822, 830, 850, or 860.....3	
	CHE 822, 830, 850, or 860.....3	CHE 899 .....2	
	CHE 899 .....4	(Thesis track only)	
	(Thesis track only)	CHE 839 .....3	
	CHE 839 or 700/800 Level CHE course.....3	CHE 7xx/8xx Elective.....3	
	(Applied Learning track only)	(Course Work track only)	
	CHE 7xx/8xx Elective.....3	GRD 858b .....0	
	(Course Work track only)	(Thesis or Applied Learning tracks only-Exit Requirement)	
	TOTAL .....8-9	GRD 858C.....0	
		(Course Work track only-Exit Requirement)	
		TOTAL .....6-7	

**CHEMISTRY B.A. & M.S. ACCELERATED 3+2 DUAL DEGREE PROGRAM -
PRE-PROFESSIONAL CONCENTRATION**
PRE-DENTAL, PRE-MEDICAL, PRE-OPTOMETRY, PRE-PATHOLOGY ASSISTANT, OR PRE-PHARMACY

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C..... 1	CHE 361..... 3	CHE 425..... 3	BIO 301 (pre-pharm) or BIO 348 (all others)..... 3
CHE 111..... 3	CHE 361L..... 1	CHE 425L..... 1	BIO 378..... 1
CHE 111L..... 1	CHE 385..... 2	CHE 430..... 3	(pre-pharm only)
Gen. Ed. E-2..... 4	Gen. Ed. E-4..... 5	CHE 450..... 3	CHE 484..... 1
(MAT 234 or 234H)	(PHY 131 or 201)	CHE 770..... 4	STA 270..... 4
Gen. Ed. E-1A..... 3	Gen. Ed. E-5B..... 3	(also fulfills MS requirement)	Elective..... 3
(ENG 101)	(PSY 200)	BIO 171..... 3	Gen. Ed. E-6..... 3
Gen. Ed. E-3A..... 3	BIO 273 or 320 (pre-pharm) or	Total..... 17	(Undergraduate Complete = 120 hrs)
Gen. Ed. E-5A..... 3	BIO 320 (all others)..... 4		CHE 810..... 2
TOTAL..... 18	Total..... 18		Total..... 15-16
Second Semester	Second Semester	Second Semester	
CHE 112..... 3	CHE 325..... 3	CHE 431..... 3	
CHE 112L..... 1	CHE 325L..... 2	CHE 432..... 1	
Gen. Ed. E-4..... 4	CHE 362..... 3	CHE 715 (ACCT)..... 5	
(BIO 111)	CHE 362L..... 1	(also fulfills MS requirement)	
BIO 112..... 4	PHY 132 or 202..... 5	ECO 230 (pre-pharm) or SOC 131	
Gen. Ed. E-1B..... 3	Gen. Ed. E-3B..... 3	(all others)..... 3	
(ENG 102)	Total..... 17	PHI 383..... 3	
Gen. Ed. 1C..... 3		Gen. Ed. E-6..... 3	
TOTAL..... 18		Total..... 18	
GRADUATE YEAR	GRADUATE YEAR	GRADUATE YEAR	
First Semester	Second Semester	Third Semester	
CHE 810..... 2	CHE 811..... 1	CHE 880..... 1	
CHE 811 or 881..... 1	CHE 880..... 1	CHE 822, 830, 850, or 860. 3	
CHE 822, 830, 850, or 860. 3	CHE 822, 830, 850, or 860. 3	CHE 899..... 2	
7xx Level Elective..... 3	CHE 899..... 4	(Thesis track only)	
Total..... 9	(Thesis track only)	CHE 839..... 3	
	CHE 839 or 700/800 Level CHE	(Applied Learning track only)	
	course..... 3	CHE 7xx/8xx Elective..... 3	
	(Applied Learning track only)	(Course Work track only)	
	CHE 7xx/8xx Elective..... 3	GRD 858b..... 0	
	(Course Work track only)	(Thesis or Applied Learning	
	TOTAL..... 8-9	tracks only Exit Requirement)	
		GRD 858C..... 0	
		(Course Work track only Exit	
		Requirement)	
		TOTAL..... 6-7	

CHEMISTRY B.S. - BIOCHEMISTRY, PRE-DENTAL, OR PRE-MEDICAL

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C..... 1	CHE 361..... 3	SOC 131 (Pre-Med/Pre-Dental) or	CHE 484..... 1
CHE 111..... 3	CHE 361L..... 1	Free Elective (Biochem)..... 3	CHE 450..... 3
CHE 111L..... 1	CHE 385W..... 3	CHE 430..... 3	BIO 531..... 4
Gen. Ed. E-2 (MAT 234 or 234H)	BIO 315..... 4	CHE 570..... 4	CHE/FOR Lab
..... 4	Gen. Ed. E-4..... 5	Gen. Ed. E-3A..... 3	Requirements..... 1
Gen. Ed. E-4 (BIO 111)..... 4	(PHY 131 or 201)	PSY 200 Gen. Ed. 5B..... 3	Gen. Ed. E-6..... 3
Gen. Ed. E-1A (ENG 101)..... 3	TOTAL..... 16	TOTAL..... 16	Free Elective..... 3
TOTAL..... 16			TOTAL..... 15
Second Semester	Second Semester	Second Semester	Second Semester
CHE 112..... 3	CHE 325..... 3	CHE 425 and 425L..... 4	CHE 485..... 1
CHE 112L..... 1	CHE 325L..... 2	CHE 431..... 3	CHE 515 (ACCT)..... 5
MAT 244 or 244H..... 4	CHE 362..... 3	CHE 432..... 1	CHE/FOR Lab
Gen. Ed. E-1B (ENG 102)..... 3	CHE 362L..... 1	Gen. Ed. E-5A..... 3	Requirements..... 1
Gen. Ed. E-1C..... 3	PHY 132 or 202..... 5	Gen. Ed. E-3B..... 3	Free Elective..... 5
Gen. Ed. E-6..... 3	TOTAL..... 14	TOTAL..... 14	TOTAL..... 12
TOTAL..... 17			

CHEMISTRY B.S. - BIOCHEMISTRY ACS CERTIFIED CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	CHE 361.....3	CHE 425.....3	CHE 484.....1
Gen. Ed. E-4 (CHE 111) .....3	CHE 361L.....1	CHE 425L.....1	CHE 450.....3
CHE 111L.....1	CHE 385.....2	CHE 430.....3	BIO 531.....4
Gen. Ed. E-2.....4	BIO 315.....4	CHE 570.....1	400 or 500 Level CHE Lab.....1
(MAT 124)	Gen. Ed. E-4(PHY 131 or 201) .5	Gen. Ed. E-3.....3	Gen. Ed. E-6.....3
Gen. Ed. E-4 (BIO 111).....4	Total.....15	Total.....14	Free Elective .....3
Gen. Ed. E-1A.....3			Total.....15
TOTAL .....16			
Second Semester	Second Semester	Second Semester	Second Semester
CHE 112.....3	CHE 325.....3	CHE 431.....3	CHE 485.....1
CHE 112L.....1	CHE 325L.....2	CHE 432.....1	CHE 515.....5
MAT 224.....4	CHE 362.....3	SOC 131 or Free Elective.....3	FOR 442L.....1
Gen. Ed. E-1B.....3	CHE 362L.....1	Gen. Ed. E-6.....3	Gen. Ed. E-5B (PSY 200).....3
Gen. Ed. E-1C.....3	PHY 132 or 202.....5	Gen. Ed. E-3.....3	Free Elective .....3
Gen. Ed. E-5A.....3	Elective.....3	Total.....13	Total.....13
Total.....17	Total.....17		

CHEMISTRY B.S. - CHEMISTRY ACS CERTIFIED CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	CHE 361.....3	CHE 425.....3	CHE 484.....1
Gen. Ed. E-4 (CHE 111) .....3	CHE 361L.....1	CHE 425L.....1	CHE 450.....3
CHE 111L.....1	CHE 385W.....3	CHE 574.....3	CHE/FOR 400 or 500 Level ...3
Gen. Ed. E-2.....4	MAT 254 or 254H.....4	CHE 574L.....1	Free Elective .....3
(MAT 234 or 234H)	Gen. Ed. E-4(PHY 301) .....5	Gen. Ed. E-6.....3	Free Elective .....2
Gen. Ed. E-3A.....3	Total.....16	BIO 111.....4	Total.....12
Gen. Ed. E-1A.....3		Total.....15	
TOTAL .....15			
Second Semester	Second Semester	Second Semester	Second Semester
CHE 112.....3	CHE 325.....3	CHE 431.....3	CHE 485.....1
CHE 112L.....1	CHE 325L.....2	CHE 575.....3	CHE 515.....5
MAT 244 or 244H.....4	CHE 362.....3	CHE 575L.....1	CHE/FOR Lab Elective .....1
Gen. Ed. E-1B.....3	CHE 362L.....1	Gen. Ed. E-6.....3	Free Elective .....3
Gen. Ed. E-1C.....3	PHY 202.....5	Gen. Ed. E-5A.....3	Total.....12
Gen. Ed. 5B.....3	Gen. Ed. E-3B.....3	Free Elective .....3	
Total.....17	Total.....17	Total.....16	

CHEMISTRY B.S. - BIOCHEMISTRY, PRE-MEDICAL OR PRE-DENTAL CONCENTRATION + M.S.			
CHEMISTRY 3+2 DUAL DEGREE PROGRAM			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	BIO 315 .....4	CHE 425.....3	CHE 485.....1
CHE 111 .....3	CHE 361 .....3	CHE 425L .....1	CHE 495.....2
CHE 111L.....1	CHE 361L .....1	CHE 430 .....3	Gen. Ed. E-6.....3
Gen. Ed. E-2.....4	CHE 385.....2	CHE 450 .....3	SOC 131 (pre-med or pre-dent.) or free elective (biochem.).....3
(MAT 234 or 234H)	Gen. Ed. E-4 .....5	CHE 774 .....3	Free Elective .....6
Gen. Ed. E-1A (ENG 101) .....3	(PHY 131 or 201)	CHE 774L.....1	Total .....15
Gen. Ed. E-3A.....3	Free Elective .....2	PSY200 (Gen. Ed. 5B).....3	
Gen. Ed. E-5A.....3	Total .....18	Total .....17	
Total .....18			Undergraduate Degree Requires 120 credit hours.
			Students interested in this option must satisfy required conditions.
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-4 (BIO 111).....4	CHE 325 .....3	BIO 531 .....4	CHE 810.....2
CHE 112.....4	CHE 325L .....2	CHE 431 .....3	CHE 811 or 881.....1
CHE 112L .....1	CHE 362 .....3	CHE 432.....1	CHE 822, 830, 850, or 860.....3
MAT 234 or 234H.....3	CHE 362L .....1	CHE 484 .....1	700 Level Elective.....3
Gen. Ed. E-1B (ENG 102) .....3	PHY 132 or 202 .....5	CHE 715 .....5	Total .....9
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	Gen. Ed. E-6.....3	
Total .....18	Total .....17	Total .....17	
		GRADUATE YEAR	GRADUATE YEAR
		First Semester	Second Semester
		CHE 811 .....1-2	CHE 822, 830, 850, or 860 .....3
		CHE 880 .....1	CHE 899 Thesis Track Only ....2 (3)
		CHE 822, 830, 850, or 860.....3	CHE 839 (internship track only) .....(3)
		CHE 899 .....4	CHE 700/800 Level Elective Course Course Work Track.....3
		CHE 839 or 700/800 Level CHE course.....3	CHE8xx elective (coursework track only)(3)
		700/800 Level Elective Course3	GRD 858B.....0
		Total .....8-9	GRD 858C.....0
			Total .....6-7

FORENSIC SCIENCE B. S. - FORENSIC BIOLOGY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	CHE 361 .....3	BIO 315 .....4	BIO 531 (fall only).....4
CHE 111 .....3	CHE 361L.....1	CHE 325 .....3	CHE 570 .....4
CHE 111L.....1	PHY 131 or 201.....5	CHE 325L.....2	FOR 465W .....3
MAT 234 or 234H.....4	(fulfills Gen. Ed. 4)	CHE 430 .....3	FOR 499 (ACCT) (fall only).3
(fulfills Gen. Ed. 2)	Gen. Ed. E-1C.....3	FOR 310 optional.....1	TOTAL .....14
Gen. Ed. 1A (ENG 101) .....3	Gen. Ed. E-3B .....3	Gen. Ed. 6 .....3	
Gen. Ed. 3A.....3	TOTAL .....15	TOTAL .....15	
TOTAL .....15			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 111 .....4	CHE 362.....3	BIO 320.....4	BIO/FOR Restricted Elective.....3
(fulfills Gen. Ed. 4)	CHE 362L .....1	CHE 432.....1	Gen. Ed. 5A.....3
CHE 112.....3	FOR 331 .....3	FOR 401.....3	Gen. Ed. 5B .....3
CHE 112L .....1	FOR 331L .....1	FOR 411.....3	Free Elective .....3
FOR 301 .....3	PHY 132 or 202.....5	FOR 411L.....1	TOTAL .....12
STA 270.....4	Free Elective .....3	Gen. Ed. 6 .....3	
Gen. Ed. 1B (ENG 102) .....3	TOTAL .....16	TOTAL .....15	
TOTAL .....18			

CHEMISTRY B.S. + M.S. CHEMISTRY 3+2 DUAL DEGREE PROGRAM			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100.....1	CHE 361 .....3	CHE 425.....3	CHE 485.....1
CHE 111 .....3	CHE 361L .....1	CHE 425L .....1	Gen. Ed. E-6.....3
CHE 111L.....1	CHE 385.....2	CHE 430 or 431 .....3	Elective.....3
Gen. Ed. E-2 (MAT 124).....4	MAT 225 .....4	CHE 450 .....3	Free Elective .....8
Gen. Ed. E-1A (ENG 101) .....3	Gen. Ed. E-4 (PHY 201) .....5	CHE 774 .....3	Total .....15
Gen. Ed. E-3.....3	Gen. Ed. E-5B .....3	CHE 774L.....1	
Gen. Ed. E-5A.....3	Total .....18	Free Elective .....3	
Total .....18		Total .....17	
Second Semester	Second Semester	Second Semester	Second Semester
Gen. Ed. E-4 (BIO 111).....4	CHE 325 .....3	CHE 432, 495A/B, 501 or 442.1	CHE 810 .....2
CHE 112.....4	CHE 325L .....2	CHE 484 .....1	CHE 811 or 881.....1
CHE 112L .....1	CHE 362 .....3	CHE 575 .....3	CHE 822, 830, 850, or 860.....3
MAT 224 .....3	CHE 362L .....1	CHE 575L.....1	700 Level Elective.....3
Gen. Ed. E-1B (ENG 102) .....3	PHY 202 .....5	CHE 715 .....5	Total .....9
Gen. Ed. E-1C.....3	Gen. Ed. E-3B .....3	CHE or FOR Elective .....3	
Total .....18	Total .....17	Gen. Ed. E-6.....3	
		Total .....17	
		GRADUATE YEAR	GRADUATE YEAR
		First Semester	Second Semester
		CHE 811 .....1	CHE 880 .....1
		CHE 880 .....1	CHE 822, 830, 850, or 860.....3
		CHE 822, 830, 850, or 860.....3	CHE 899 Thesis Track Only ....2
		CHE 899 .....4	CHE 839 Applied Learning .....3
		CHE 839, or CHE	CHE 700+ Level Elective.....3
		700+ Elective Course.....3	GRD 858b or GRD 858C .....0
		CHE 700/800 Level Elective ..3	Total .....6-7
		Total .....8-9	

FORENSIC SCIENCE B.S. - FORENSIC CHEMISTRY CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100C.....1	CHE 361 .....3	FOR 310 optional.....1	CHE 430 .....3
CHE 111 .....3	CHE 361L .....1	FOR 411.....3	FOR 465W .....3
CHE 111L .....1	PHY 131 or 201.....5	FOR 411L.....1	FOR 499 (ACCT) (fall only). 3
MAT 234 or 234H.....4	(fulfills Gen. Ed. 4)	FOR 440.....3	Gen. Ed. E-6.....3
(fulfills Gen. Ed. 2)	STA 270.....4	FOR 451 .....2	TOTAL .....12
Gen. Ed. 1A .....3	Gen. Ed. E-1C.....3	FOR 451L .....1	
(ENG 101 or 105)	TOTAL .....15	Gen. Ed. E-6.....3	
Gen. Ed. 3A.....3		TOTAL .....13-14	
TOTAL .....15			
Second Semester	Second Semester	Second Semester	Second Semester
BIO 111 .....4	CHE 362.....3	FOR 412 .....2	CHE 570.....4
(fulfills Gen. Ed. 4)	CHE 362L .....1	FOR 412L.....1	CHE/FOR Elective.....3
CHE 112.....3	CHE 325.....3	FOR 442.....3	Gen. Ed. 3B .....3
CHE 112L .....1	CHE 325L.....2	FOR 442L.....1	Free Elective .....4
FOR 301 .....3	FOR 401 .....3	FOR 475 .....3	TOTAL .....14
Gen. Ed. 1B (ENG 102) .....3	PHY 132 or 202.....5	Free Elective .....3	
Gen. Ed. 5B.....3	TOTAL .....17	Gen. Ed. 5A.....3	
TOTAL .....17		TOTAL .....16	

FORENSIC SCIENCE B.S. (FORENSIC BIO CONCENTRATION) + M.S. CHEMISTRY 3+2 DUAL DEGREE PROGRAM

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100C.....1	CHE 111.....3	CHE 361.....3	CHE 361L.....1	BIO 320.....4	CHE 430 or 431.....3	BIO 531.....4	CHE 770.....4
CHE 111L.....1	Gen. Ed. E-2 (MAT 234 or 234H).....4	Gen. Ed. E-4 (PHY 131 or 201).....5	Gen. Ed. E-1C.....3	CHE 450.....3	CHE 450.....3	FOR 465W.....3	FOR 465W.....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3.....3	Gen. Ed. E-5B.....3	Total.....15	FOR 310.....1	FOR 401.....3	FOR 499.....3	FOR 499.....3
Gen. Ed. E-5A.....3	Total.....18	Total.....15		FOR 411.....3	FOR 411L.....3	Total.....14	Total.....14
				Total.....18	Total.....18		
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-4 (BIO 111).....4	CHE 112.....3	BIO 315.....4	CHE 362.....3	CHE 349.....3	CHE 325.....3	CHE 810.....2	CHE 810.....2
CHE 112L.....1	FOR 301.....3	CHE 362L.....2	FOR 331.....3	CHE 325L.....1	CHE 432.....1	CHE 811 or 881.....1	CHE 811 or 881.....1
STA 270.....4	Gen. Ed. E-1B (ENG 102).....3	FOR 331L.....1	PHY 132 or 202.....5	CHE 432.....1	CHE 715.....5	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3
Total.....18	Total.....18	Total.....18	Total.....18	Gen. Ed. E-3B.....3	Gen. Ed. E-6.....3	700 Level Elective.....3	700 Level Elective.....3
				Total.....19	Total.....19	Total.....9	Total.....9
				GRADUATE YEAR		GRADUATE YEAR	
				First Semester		Second Semester	
				CHE 811.....1	CHE 880.....1	CHE 880.....1	CHE 880.....1
				CHE 880.....1	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3
				CHE 822, 830, 850, or 860.....3	CHE 899 Thesis Track Only.....2	CHE 899 Thesis Track Only.....2	CHE 899 Thesis Track Only.....2
				CHE 899.....4	CHE 839 Applied Learning.....3	CHE 839 Applied Learning.....3	CHE 839 Applied Learning.....3
				CHE 839, or CHE 700+ Elective Course.....3	CHE 700+ Level Elective.....3	CHE 700+ Level Elective.....3	CHE 700+ Level Elective.....3
				CHE 700/800 Level Elective ..3	GRD 858b or GRD 858C.....0	GRD 858b or GRD 858C.....0	GRD 858b or GRD 858C.....0
				Total.....8-9	Total.....6-7	Total.....6-7	Total.....6-7

FORENSIC SCIENCE B.S. + M.S. CHEMISTRY 3+2 DUAL DEGREE PROGRAM - FORENSIC CHEMISTRY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100C.....1	CHE 111.....3	CHE 361.....3	CHE 361L.....1	CHE 450.....3	CHE 770.....4	CHE 430.....3	CHE 430.....3
CHE 111L.....1	Gen. Ed. E-2 (MAT 234 or 234H).....4	Gen. Ed. E-4 (PHY 131 or 201).....5	Gen. Ed. E-1C.....3	FOR 411.....1	FOR 411L.....3	FOR 440.....3	FOR 440.....3
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-3.....3	Gen. Ed. E-5B.....3	Total.....15	FOR 411L.....3	FOR 451.....2	FOR 465W.....3	FOR 465W.....3
Gen. Ed. E-5A.....3	Total.....18	Total.....15		FOR 451L.....1	FOR 451L.....1	FOR 499 fall only.....3	FOR 499 fall only.....3
				Gen. Ed. E-3B.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3
				Total.....18	Total.....18	Free elective.....2	Free elective.....2
						Total.....17	Total.....17
Second Semester		Second Semester		Second Semester		Second Semester	
Gen. Ed. E-4 (BIO 111).....4	CHE 112.....3	CHE 325.....3	CHE 325L.....2	CHE 715.....5	FOR 412.....2	CHE 810.....2	CHE 810.....2
CHE 112L.....1	FOR 301.....3	CHE 362.....3	CHE 362L.....1	FOR 412L.....1	FOR 442.....3	CHE 811 or 881.....1	CHE 811 or 881.....1
STA 270.....4	Gen. Ed. E-1B (ENG 102).....3	FOR 401.....3	PHY 132 or 202.....5	FOR 442L.....1	FOR 475.....3	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3
Total.....17	Total.....17	Total.....17	Total.....17	Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	700 Level Elective.....3	700 Level Elective.....3
				Total.....18	Total.....18	Total.....9	Total.....9
				GRADUATE YEAR		GRADUATE YEAR	
				First Semester		Second Semester	
				CHE 811.....1	CHE 880.....1	CHE 880.....1	CHE 880.....1
				CHE 880.....1	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3	CHE 822, 830, 850, or 860.....3
				CHE 822, 830, 850, or 860.....3	CHE 899 Thesis Track Only.....2	CHE 899 Thesis Track Only.....2	CHE 899 Thesis Track Only.....2
				CHE 899.....4	CHE 839 Applied Learning.....3	CHE 839 Applied Learning.....3	CHE 839 Applied Learning.....3
				CHE 839, or CHE 700+ Elective Course.....3	CHE 700+ Level Elective.....3	CHE 700+ Level Elective.....3	CHE 700+ Level Elective.....3
				CHE 700/800 Level Elective ..3	GRD 858b or GRD 858C.....0	GRD 858b or GRD 858C.....0	GRD 858b or GRD 858C.....0
				Total.....8-9	Total.....6-7	Total.....6-7	Total.....6-7

DEPARTMENT OF COMPUTER SCIENCE

COMPUTER SCIENCE B.S. - BIOINFORMATICS CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100I.....	1	CSC 310.....	3	CSC 308 or 309.....	3	CSC Elective.....	3
CSC 185.....	3	CSC 313.....	3	STA 270.....	4	BIO 531 or 531S.....	4
CSC 190.....	3	BIO 331 fall only.....	3	Gen. Ed. E-3A.....	3	CSC 494, 495, or 496.....	1
CHE 111.....	3	CHE 361.....	3	Gen. Ed. E-5A.....	3	MAT 565.....	3
CHE 111L.....	1	CHE 361L.....	1	Free Elective.....	2	Gen. Ed. E-6.....	3
Gen. Ed. 1A.....	3	BIO 315.....	3	Total.....	15	Total.....	14
Total.....	15	Total.....	16				
Second Semester		Second Semester		Second Semester		Second Semester	
CSC 191.....	3	CSC 340.....	3	CSC 499.....	1	CSC Elective.....	3
CSC 195.....	3	CHE 362.....	3	CSC Elective.....	3	BIO 533.....	3
BIO 111.....	4	CHE 362L.....	1	Gen. Ed. E-2.....	4	BIO 598.....	3
CHE 112.....	3	Gen. Ed. E-1C.....	3	(MAT 234 or 234H)		CHE 430 or 431.....	3
CHE 112L.....	1	Gen. Ed. E-3B.....	3	STA 340.....	3	CHE 432.....	1
Gen. Ed. E-1B.....	3	Total.....	13	Gen. Ed. E-5B.....	3	Gen. Ed. E-6.....	3
Total.....	17	Total.....	13	Total.....	14	Total.....	16

COMPUTER SCIENCE B.S. - COMPUTER FORENSICS & SECURITY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100.....	1	CSC 310.....	3	CSC 400.....	3	INF 495 or CSC 349.....	3
CSC 185.....	3	CSC 313.....	3	INF 318.....	3	CSC 542.....	3
CSC 190.....	3	NET 354.....	3	CSC 308 or 309.....	3	CSC 547.....	3
Gen. Ed. E-1A.....	3	STA 270.....	4	INF 321.....	3	Concentration Supporting Course	
Gen. Ed. E-3A.....	3	Total.....	13	FOR 401.....	3	Elective.....	4-5
Gen. Ed. 5B.....	3			Total.....	15	Gen. Ed. E-6.....	3
Total.....	16			Total.....	15-16	Total.....	16-17
Second Semester		Second Semester		Second Semester		Second Semester	
CSC 191.....	3	CSC 332.....	3	CSC 360.....	3	CSC 499.....	1
CSC 195.....	3	CSC 340.....	3	INF 322.....	3	CSC 520.....	3
Gen. Ed. E-2 (MAT 234 or 234H)	4	FOR 301.....	3	Restricted Elective Concentration		CSC 548.....	3
NET 303.....	3	Gen. Ed. E-3B.....	3	Supporting (Gen. Ed. E-4).....	4-5	CSC 549.....	3
Gen. Ed. E-1B.....	3	Gen. Ed. E-5A.....	3	Gen. Ed. 1C.....	3	Gen. Ed. E-6.....	3
Total.....	16	Total.....	15	Free Elective.....	2-3	Total.....	13-14
				Total.....	15-16		

COMPUTER SCIENCE B.S. - COMPUTER TECHNOLOGY CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100I.....	1	CSC 310.....	3	CSC 308 or 309.....	3	CSC 330 or 544.....	3
CSC 185.....	3	CSC 313.....	3	NET 354.....	3	CSC 349.....	3
CSC 190.....	3	EET 252.....	3	Gen. Ed. E-5A.....	3	CSC 440 ACCT.....	3
Gen. Ed. E-1A.....	3	NET 303.....	3	Free Elective.....	3	CSC 494, 495, or 496.....	1
Gen. Ed. E-5B.....	3	Gen. Ed. E-4.....	3	Free Elective.....	3	NET 454.....	3
Gen. Ed. 3A (Arts).....	3	Total.....	15	Total.....	15	Gen. Ed. E-6.....	3
Total.....	16			Total.....	15	Total.....	16
Second Semester		Second Semester		Second Semester		Second Semester	
CSC 191.....	3	CSC 340.....	3	CSC 360.....	3	CSC 460.....	3
CSC 195.....	3	NET 343.....	3	NET 344.....	3	CSC 499.....	1
MAT 234, 234H or 211.....	3-4	Gen. Ed. E-3B.....	3	Gen. Ed. E-4.....	3	NET 403.....	3
NET 302.....	3	Gen. Ed. E-1C.....	3	Gen. Ed. E-6.....	3	CSC 545.....	3
Gen. Ed. E-1B.....	3	Free Elective.....	2-3	Free Elective.....	3	CSC Restricted Elective.....	3
Total.....	15-16	Total.....	14-15	Total.....	15	Total.....	13

COMPUTER SCIENCE B.S. - GENERAL CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100 1	CSC 310 3	CSC 440 3	CSC 400 3
CSC 185 3	CSC 311 3	CSC 308 or 309 3	CSC 494, 495, or 496 1
CSC 190 3	MAT 239 3	STA 270 4	CSC 541 3
MAT 234 or 234H 4	CSC 313 3	Physical Science Elective 3-5	Gen. Ed. E-6 3
Gen. Ed. E-1A 3	Gen. Ed. E-4 3-5	Gen. Ed. E-5A 3	Free Elective 3
Free elective 1	Total 15-17	Total 16-18	Total 13
Total 15			
Second Semester	Second Semester	Second Semester	Second Semester
CSC 191 3	CSC 320 3	CSC 360 3	CSC 460 3
CSC 195 3	CSC 340 3	CSC Restricted Elective 3	CSC 499 1
MAT 244 or 244H 4	EET 252 3	Physical Science Elective 3-5	CSC 545 3
Gen. Ed. E-1B 3	Gen. Ed. E-4 3-5	Gen. Ed. E-5B 3	Gen. Ed. E-5B 3
Gen. Ed. E-3A 3	Gen. Ed. E-1C 3	Total 12-14	Gen. Ed. E-6 3
Total 16	Total 15-17		Free Elective 300+ level 0-4
			Total 13-17

COMPUTER SCIENCE B.S. - INTERACTIVE MULTIMEDIA CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100I 1	CSC 313 3	ART 200 Gen. Ed. E-3A 3	CSC 550 3
CSC 185 3	CSC 310 3	CSC 315 3	BEM 200 Gen. Ed. E-5B 3
CSC 190 3	MAT 244 or 244H 4	CSC 308 or 309 3	ART 100, TEC 190, or
MAT 234 or 234H 4	PHY 201 5	Class 1 Sequence Elective ... 3	GCM 313 3
Gen. Ed. E-1A 3	Total 15	MUS 290 2	CSC 494, 495, or 496 1
Gen. Ed. E-6 3		Total 14	Gen. Ed. E-3B 3
Total 17			Total 13
Second Semester	Second Semester	Second Semester	Second Semester
CSC 140 3	CSC 340 3	ARH 390 or 391 3	CSC 491 3
CSC 191 3	EET 252 3	CSC 316 3	CSC 520 or 555 3
CSC 195 3	STA 270 4	CSC 499 1	Gen. Ed. E-5A 3
MAT 239 3	CSC Elective 3	Class 2 Sequence Elective ... 3	Gen. Ed. E-6 3
Gen. Ed. E-1B 3	Gen. Ed. E-1C 3	Gen. Ed. E-4 3	Free Elective upper division .2
Total 15	Total 16	Free Elective 3	Total 14
		Total 16	

COMPUTER SCIENCE B.S. - STATISTICAL COMPUTING CONCENTRATION			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100 1	CSC 310 3	CSC 308 or 309 3	CSC 544 3
CSC 185 3	CSC 313 3	CSC 311 3	CSC 494, 495, or 496 1
CSC 190 3	STA 340 3	Gen. Ed. E-4 4	STA 575 3
MAT 234 or 234H 4	STA 375 3	Gen. Ed. E-5A 3	Supporting Course Sequence
ENG 101 3	Gen. Ed. E-3A 3	Free Elective 3	(Class 1) 3-4
Total 15	Total 15	Total 16	Gen. Ed. E-6 3
			Total 13-14
Second Semester	Second Semester	Second Semester	Second Semester
CSC 191 3	CSC 340 3	CSC 320 3	CSC 499 1
CSC 195 3	STA 380 3	Gen. Ed. E-4 3	CSC 545 3
MAT 244 or 244H 4	Gen. Ed. E-1C 3	Gen. Ed. E-6 3	STA 580 3
STA 270 4	Gen. Ed. E-3B 3	Free Elective ACCT 3	STA 585 3
Gen. Ed. E-1B 3	Gen. Ed. E5B 3	Free Elective 3	Supporting Course Sequence
Total 16	Total 15	Total 15	(Class 2) 3
			Free Elective 1-3
			Total 14-16

DEPARTMENT OF GEOSCIENCES

GEOGRAPHIC INFORMATION SCIENCE B.A.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100P.....	1	GEO 353.....	3	GEO 455.....	3	Capstone Course ACCT.....	3
Intro Geoscience Lab I.....	3	Gen. Ed. E-4.....	3	GEO 456.....	3	GIS Elective.....	3
Gen. Ed. E-1A.....	3	Gen. Ed. E-5A.....	3	GIS Elective.....	3	Free Elective.....	3
STA 215, 270, or MAT 120.....	3	Gen. Ed. E-6.....	3	ENG 300 or 300S.....	3	Free Elective.....	3
Gen. Ed. E-3A.....	3	GEO 351.....	3	Free Elective.....	3	Free Elective.....	3
Gen. Ed. E-5B.....	3	Total.....	15	Total.....	15	Total.....	15
Total.....	16						
Second Semester		Second Semester		Second Semester		Second Semester	
GEO 100.....	3	Gen. Ed. E-3B.....	3	GEO 453.....	3	GEO 458.....	3
Intro Geoscience Lab II.....	3	CSC 160, 170, or 174.....	3	GIS Elective.....	3	Free Elective 300+ level.....	3
Gen. Ed. E-1B.....	3	Gen. Ed. E-4.....	3	Free Elective.....	3	Free Elective 300+ level.....	3
Gen. Ed. E-1C.....	3	GIS Elective.....	3	Free Elective.....	3	Free Elective.....	3
Gen. Ed. E-6.....	3	Free Elective.....	3	Free Elective.....	3	Free Elective.....	1-2
Total.....	15	Total.....	15	Total.....	15	Total.....	13-14

GEOLOGY B.S. ACADEMIC CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100.....	1	CHE 111/111L.....	4	GLY 410.....	4	GLY 498.....	3
GLY Restricted Elective #1... 3	3	GLY 309.....	4	GLY 415.....	4	GEO/GLY Restricted Elective #2	3
Gen. Ed. E-1A.....	3	MAT 217.....	1-2	PHY 131 or 201.....	5	.....	3
Gen. Ed. E-3A.....	3	MAT 234 or 234H.....	4	Total.....	13	Free Electives.....	6
Gen. Ed. E-6.....	3	Gen Ed E-5A.....	3			Total.....	15
Gen. Ed. E-5B.....	3	Total.....	16-17				
Total.....	16						
Second Semester		Second Semester		Second Semester		Second Semester	
GLY Restricted Elective #1... 3	3	CHE 112/112L.....	4	GLY 420.....	4	GLY 499.....	3
Gen Ed E-2 (MAT 122).....	5	GLY 409.....	4	PHY 123 or 202.....	5	Free Electives 300+ level.....	6
Gen Ed E-1B.....	3	Gen. Ed. E-4.....	3	GLY 450W.....	3	Free Elective.....	3
Gen Ed E-1C.....	3	Gen. Ed. E-3B.....	3	Free Elective.....	3	Free Elective.....	1-2
Gen Ed E-6.....	3	Total.....	14	Total.....	15	Total.....	13-14
Total.....	17						

GEOLOGY B.S. PROFESSIONAL CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100.....	1	CHE 111/111L.....	4	Elective.....	3	GLY 498.....	3
GLY Restricted Elective #1... 3	3	GLY 309.....	4	GLY 410.....	4	GLY Upper Div Free Elective 3	3
Gen. Ed. E-1A.....	3	PHY 101.....	3	GLY 415.....	4	GEO/GLY Restricted Elective #2	3
Gen. Ed. E-3A.....	3	Gen Ed E-5A.....	3	Free Elective.....	3	.....	3
Gen. Ed. E-6.....	3	Total.....	14	Total.....	14	Free Elective.....	6
Gen. Ed. E-5B.....	3					Total.....	15
Total.....	16						
Second Semester		Second Semester		Second Semester		Second Semester	
GLY Restricted Elective #1... 3	3	GEO 353.....	3	GEO 456.....	3	GLY 499.....	3
Gen Ed E-2 (MAT 122 or higher)	5	GLY 409.....	4	GLY 420.....	4	GEO/GLY Restricted Elective #2	3
.....	5	Gen. Ed. E-4.....	3	GLY 450W.....	3	.....	3
Gen Ed E-1B.....	3	Gen. Ed. E-5B.....	3	Free Elective 300+ level.....	3	GLY 535.....	3
Gen Ed E-1C.....	3	Elective.....	3	Free Elective.....	3	Free Elective.....	3
Gen Ed E-6.....	3	Total.....	16	Total.....	16	Total.....	12
Total.....	17						

DEPARTMENT OF MATHEMATICS AND STATISTICS

MATHEMATICS B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100T.....1		MAT 254 or 254H.....4		MAT 308.....3		MAT 415 or 408.....3	
STA 270.....4		MAT 301.....3		Gen. Ed. E-6.....3		Core Elective 300+ level.....3	
Gen. Ed. E-1A (ENG 101).....3		Gen. Ed. E-1C.....3		Free Elective.....3		Free Elective 300+ level ACCT.....3	
Gen. Ed. E-2 (MAT 234 or 234H).....4		Gen. Ed. E-4.....3		Free Elective 300+ level.....3		Free Electives.....6	
CSC 160, 177, or 190.....3		Gen. Ed. E-5A.....3		Free Elective.....3		Total.....15	
Total.....15		Total.....16		Total.....15			
Second Semester		Second Semester		Second Semester		Second Semester	
MAT 244 or 244H.....4		MAT 315.....3		MAT 408 or 415.....3		MAT 498.....1	
MAT 239.....3		MAT 353.....3		Core Elective 300+ level.....3		Core Elective 300+ level.....3	
Gen. Ed. E-1B ENG 102.....3		Gen. Ed. E-3B.....3		Free Electives 300+ level.....6		Free Elective 300+ level.....3	
Gen. Ed. E-3A.....3		Gen. Ed. E-5B.....3		Free Elective.....3		Free Electives.....6	
Gen. Ed. E-4.....3		Gen. Ed. E-6.....3		Total.....15		Total.....13	
Total.....16		Total.....15					

MATHEMATICS/TEACHING B.S.

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100T..... 1		MAT 254 or 254H..... 4		EDC 300..... 3		ESE/MAT 550..... 3	
MAT 234 or 234H..... 4		MAT 301..... 3		CED 300..... 0.5		CED 450..... 1	
STA 270..... 4		Gen. Ed. E-4..... 3		EMS 300W..... 3		MAT 334..... 3	
Gen. Ed. E-1A (ENG 101)..... 3		Gen. Ed. E-5B..... 3		MAT 308..... 3		MAE 475..... 3	
Gen. Ed. E-5B..... 3		Gen. Ed. E-1C..... 3		Gen. Ed. E-5A..... 3		Gen. Ed. E-3A..... 3	
Total..... 14		Total..... 16		Core Elective..... 3		Total..... 13	
				Total..... 15.5			
Second Semester		Second Semester		Second Semester		Second Semester	
EDF 203..... 3		EDF 219..... 3		EDF 413..... 3		CED 499 ACCT..... 9	
CED 100..... 0		CED 200..... 0		EMS 490..... 3		EMS 474..... 3	
SED 104..... 3		MAT 306..... 3		CED 400..... 0.5		Total..... 12	
MAT 239..... 3		CSC 160, 177 or 190..... 3		MAT 380..... 3			
MAT 244 or 244H..... 4		Gen. Ed. E-3B..... 3		MAT 315 or STA course #1.. 3			
Gen. Ed. E-1B (ENG 102).... 3		Gen. Ed. E-4..... 3		STA course #2..... 3			
Total..... 16		EDF 204..... 2		Total..... 15.5			
		Total..... 17					

MATHEMATICS/TEACHING B.S. COMPUTER SCIENCE/MATHEMATICS TEACHING CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100T..... 1		CSC 190..... 3		EDC 300.....3		ESE/MAT 550.....3	
MAT 234 or 234H.....4		MAT 301..... 3		Gen. Ed. 4..... 3		CED 450..... 1	
STA 270..... 4		Gen. Ed. E-1C..... 3		CED 300..... 0.5		MAT 334..... 3	
Gen. Ed. E-1A (ENG 101)..... 3		Gen. Ed. E-6..... 3		EMS 300W..... 3		MAE 475..... 3	
Gen. Ed. 3A..... 3		EDF 204..... 2		MAT 308..... 3		CSC 250, 330, or 340..... 3	
Total..... 15		Free elective..... 1		CSC 195..... 3		Gen. Ed. 5B..... 3	
		Total..... 15		Total..... 15.5		Total..... 16	
Second Semester		Second Semester		Second Semester		Second Semester	
EDF 203..... 3		EDF 219..... 3		EDF 413..... 3		CED 499..... 9	
CED 100..... 0		CED 200..... 0		EMS 490..... 3		EMS 474..... 3	
SED 104..... 3		MAT 306..... 3		CED 400..... 0.5		Total..... 12	
MAT 239..... 3		CSC 191..... 3		CSC 310..... 3			
MAT 244 or 244H..... 4		Gen. Ed. E-3B..... 3		MAT 380..... 3			
Gen. Ed. E-1B (ENG 102)..... 3		Gen. Ed. E-4..... 3		Gen. Ed. E-5A..... 3			
Total..... 16		Total..... 15		Total..... 15.5			

MATHEMATICS B.S. + MATHEMATICAL SCIENCES M.S. 3+2 DUAL DEGREE PROGRAM			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100T .....1	MAT 254 or 254H.....4	MAT 308.....3	MAT 809.....3
MAT 234 or 234H.....4	MAT 301.....3	MAT 415.....3	MAT 850.....3
Gen. Ed. E-1A (ENG 101) ....3	Gen Ed. E-4.....3	MAT 720.....3	Free Elective 300+ level.....3
Gen. Ed. E-2 STA 270.....4	Gen Ed. E-5A.....3	Free Elective 300+ level.....6	Free Elective 300+ level ACCT...3
CSC 160, 177, or 190.....3	Gen Ed. E-6.....3	Free Electives.....3	Free Electives.....3
Gen. Ed. 3A.....3	Free Elective.....3	Total .....18	Total .....15
Total .....18	Total .....19		
Second Semester	Second Semester	Second Semester	Second Semester
MAT 244 or 244H.....4	MAT 315.....3	MAT 408.....3	MAT 810.....3
MAT 239.....3	Elective.....3	MAT 498.....1	MAT 815.....3
Gen. Ed. E-1B (ENG 102) .....3	Gen Ed. E-3B.....3	Writing Intensive Elective.....3	Concentration Course.....3
Gen Ed. E-1C.....3	Gen Ed. E-5B.....3	Free Electives 300+ level.....6	Total .....9
Gen Ed. E-4.....3	Gen Ed. E-6.....3	Free Elective.....3	
Total .....16	Free Elective.....3	Total .....16	
	Total 18		
		GRADUATE YEAR	GRADUATE YEAR
		First Semester	Second Semester
		Concentration Course(s).....3-6	Concentration Course.....3
		Advisor-approved Elective(s)...3-6	Advisor-approved Elective.....0-3
		Total .....6-9	Total .....3-6

STATISTICS B.S.			
FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
First Semester	First Semester	First Semester	First Semester
SCO 100T .....1	STA Elective.....3	STA 585.....3	STA 520 .....3
STA 270.....4	MAT 254 or 254H.....4	CSC 160, 177, or 190 .....3	CSC/MAT/STA Electives.....3
MAT 234 or 234H.....4	Gen. Ed. E-1C.....3	Free Elective 300+ level .....3	Free Electives 300+ level .....6
Gen. Ed. E-1A (ENG 101).....3	Gen. Ed. E-4.....3	Free Elective .....6	Free Elective .....3
Gen. Ed. E-6.....3	Gen. Ed. E-6.....3	Total .....15	ACCT.....0
Total .....15	Total .....16		Total .....15
Second Semester	Second Semester	Second Semester	Second Semester
STA 340 .....3	STA Elective.....3	CSC/MAT/STA Electives.....3	STA 521 .....3
MAT 239 .....4	Gen. Ed. E-3B .....3	Writing Intensive Elective.....3	STA 498 .....1
MAT 244 or 244H.....3	Gen. Ed. E-4.....3	Free Electives 300+ level .....6	Free Elective ACCT.....3
Gen. Ed. E-1B.....3	Gen. Ed. E-5B .....3	Free Elective .....3	Free Elective 300+ level.....3
Gen. Ed. E-3A .....3	Gen. Ed. E-5A .....3	Total .....15	Free Elective .....3
Total .....16	Total .....15		Total .....13



DEPARTMENT OF PHYSICS AND ASTRONOMY

PHYSICS B.S - GENERAL PHYSICS CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100P.....1	CHE 111 (fulfills Gen. Ed. E-4) 3	MAT 254 or 254H.....4	MAT 353 .....3	PHY 302.....4	(302W recommended)	PHY 421 .....3	PHY456.....3
CHE 111L.....1	MAT 234 or 234H.....4	PHY 202.....5	Gen. Ed. E-1C.....3	PHY 310 .....3	300+ Level PHY Elective.....3	Gen. Ed. E-6.....3	300+ Level Elective .....3
Gen. Ed. E-1A (ENG 101).....3	(fulfills Gen. Ed. 2)	Gen. Ed. E-1C.....3	TOTAL .....15	Gen. Ed. E-5A .....3	Gen. Ed. E-5A .....3	300+ Level Elective.....3	TOTAL .....15
Gen. Ed. E-4.....3	TOTAL .....15	TOTAL .....15		TOTAL .....13	TOTAL .....13	TOTAL .....15	
Second Semester		Second Semester		Second Semester		Second Semester	
MAT 244 or 244H.....4	CHE 112.....3	CSC 174 or 190 .....3	PHY 211.....4	PHY 406W .....4	PHY 460.....3	PHY 422 .....3	PHY 470 (ACCT).....3
CHE 112L .....1	Gen. Ed. E-1B (ENG 102) .....3	Gen. Ed. E-3B .....3	Gen. Ed. E-3A .....3	PHY Elective .....3	Gen. Ed. E-6.....3	300+ Level Free Elective.....3	Free Elective .....4
PHY 201 .....5	TOTAL .....16	TOTAL .....16	TOTAL .....16	Free Elective .....3	Free Elective .....3	TOTAL .....13	TOTAL .....13
TOTAL .....16				TOTAL .....16	TOTAL .....16		

PHYSICS B.S. - ENGINEERING PHYSICS CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100P .....1	CHE 111 (fulfills Gen. Ed. 4) ...3	MAT 254 or 254H.....4	MAT 353 .....3	EET 252 .....3	PHY 302.....4	Restricted Elective .....3	Gen. Ed. E-6.....3
CHE 111L.....1	MAT 234 or 234H.....4	PHY 202.....5	Gen. Ed. E-1C.....3	PHY 310 .....3	PHY 375 .....3	300+ Level Free Elective.....3	300+ Level Free Elective.....3
Gen. Ed. E-1A (ENG 101).....3	(fulfills Gen. Ed. E-2)	Gen. Ed. E-1C.....3	TOTAL .....15	Gen. Ed. E-5A .....3	Gen. Ed. E-5A .....3	300+ Level Free Elective.....3	TOTAL .....15
Gen. Ed. E-4.....3	TOTAL .....15	TOTAL .....15		TOTAL .....16	TOTAL .....16	TOTAL .....15	
Second Semester		Second Semester		Second Semester		Second Semester	
CHE 112.....3	CHE 112L .....1	CSC 174 or 190 .....3	PHY 211.....4	PHY 460.....4	PHY 315 .....4	Gen. Ed. E-6.....3	Gen. Ed. E-3A .....3
MAT 244 or 244H.....4	PHY 201 .....5	PHY 221 .....3	Gen. Ed. E-3B .....3	PHY 406W .....3	Gen. Ed. E-5B .....3	Free Elective .....4	300+ Level Free Elective.....3
Gen. Ed. E-1B (ENG 102) .....3	TOTAL .....16	Free Elective .....2-3	TOTAL .....15-16	TOTAL .....14	TOTAL .....14	TOTAL .....13	TOTAL .....13
TOTAL .....16							

PHYSICS B.S - TEACHING CONCENTRATION

FRESHMAN YEAR		SOPHOMORE YEAR		JUNIOR YEAR		SENIOR YEAR	
First Semester		First Semester		First Semester		First Semester	
SCO 100P .....1	CHE 111 (fulfills Gen. Ed. 4) ...3	EDF 203.....3	CED 100.....0	EDC 300.....3	EDF 204.....2	ESE 561.....3	CED 450.....1
CHE 111L.....1	MAT 234 or 234H.....4	PHY 201 or 131.....5	Gen. Ed. 1C.....3	EMS 300W.....0.5	CED 300.....3	Gen. Ed. 3B.....3	Gen. Ed. 6 (Diversity).....3
Gen. Ed. 1A (ENG 101) .....3	(fulfills Gen. Ed. 2)	Gen. Ed. 5A (History).....3	Optional Free Elective.....1	AST 335.....3	PHY 302 or 302W.....4	Free Elective.....3	Free Elective.....3
Gen. Ed. 3A.....3	TOTAL .....15	TOTAL .....15	TOTAL .....15	TOTAL .....15.5	TOTAL .....15.5	APPLY FOR STUDENT TEACHING	TOTAL .....16
TOTAL .....15							
Second Semester		Second Semester		Second Semester		Second Semester	
MAT 244 or 244H.....4	CHE 112.....3	EDF 219.....3	CED 200.....0	EDF 413.....3	EMS 490 (spring only).....3	CED 499 (ACCT).....9	EMS 474.....3
CHE 112L .....1	SED 104.....3	AST 135.....3	BIO 100 or 102 (fulfills Gen. Ed. 4).....3	CED 400.....0.5	PHY 211 (spring only).....4	TOTAL .....12	TOTAL .....12
Gen. Ed. 1B (ENG 102) .....3	Gen. Ed. 5B .....3	PHY 202 or 132.....5	TOTAL .....14	PHY 406W.....3	PHY Elective (300 level or above).....3		
TOTAL .....17		TOTAL .....14		TOTAL .....16.5	TOTAL .....16.5		

SECTION SEVEN

COURSE DESCRIPTIONS

COURSE PREFIXES

ASO	Letters, Arts, & Social Sciences College Offering
BTO	Business and Technology College Offering
EDO	Education College Offering
GSO	General Studies College Offering
HSO	Health Sciences College Offering
JSO	Justice and Safety College Offering
SCO	Science College Offering
ACC	Accounting
ADM	Apparel Design and Merchandising
AED	Art Education
AEM	Applied Engineering Management
AFA	African/African-American Studies
AFS	Aerospace Studies (Air Force ROTC)
AGR	Agriculture
ANT	Anthropology
APP	Appalachian Studies
APS	Assets Protection and Security
ARH	Art History
ART	Art
ASL	American Sign Language
AST	Astronomy
ATR	Athletic Training
AVN	Aviation
BEM	Broadcasting and Electronic Media
BIO	Biology
BTS	Business and Technology Seminar
CCT	Corporate Communication and Technology
CDP	Child and Family Studies
CDS	Communication Disorders and Sciences
CHE	Chemistry
CHN	Chinese
CHS	College of Health Sciences Interdisciplinary
CIS	Computer Information Systems
CMS	Communication Studies
COM	Communication
CON	Construction Management
COR	Correctional and Juvenile Justice Studies
CRE	Applied Creative Thinking
CRJ	Criminal Justice
CSC	Computer Science
CTE	Career and Technical Education
DES	Design
ECO	Economics
EDC	Educational Core
EDF	Educational Foundations
EES	Essential Elements of Success
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
ENV	Environmental Sustainability and Stewardship
ESE	Secondary Education
ETL	Education Teacher Leader
FCC	Foreign Culture and Civilization
FCS	Family and Consumer Sciences
FIN	Finance
FLS	Foreign Language Studies
FMT	Fermentation Science
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
GLO	Globalization and International Affairs
GLY	Geology
GSD	Student Development
GST	General Studies Tutoring
HEA	Health Education
HIS	History
HLS	Homeland Security
HON	Honors Program
HSA	Health Services Administration
HSR	Human Services
HUM	Humanities
IES	Foreign Exchange Studies
INF	Informatics
INS	Insurance
ITP	Interpreter Training
JPL	Justice, Policy & Leadership
JPN	Japanese
LAS	Paralegal
LAT	Latin
LGS	Legal Studies
LIB	Library Science
MAE	Mathematics Education
MAT	Mathematics
MGT	Management
MKT	Marketing
MLS	Medical Laboratory Scientist
MLT	Medical Laboratory Technician
MPM	Medical Practice Management
MSL	Military Science and Leadership
MUE	Music Education
MUH	Music History
MUS	Music
NET	Network Security and Electronics
NFA	Nutrition, Foods, and Food Administration
NSC	Nursing (Baccalaureate)
NSM	Network Security Management
NUR	Nursing (Associate)
OHO	Ornamental Horticulture
OSH	Occupational Safety
OTS	Occupational Therapy
PHE	Physical Education
PHI	Philosophy
PHY	Physics
PLS	Police Studies
POL	Political Science
PSY	Psychology
PUB	Public Relations
QMB	Quantitative Methods
REC	Recreation and Park Administration
REL	Religion
RMI	Risk Management and Insurance
RST	Real Estate
SEC	Security Management
SED	Special Education
SJS	Social Justice Studies
SOC	Sociology
SPA	Spanish
STA	Statistics
SWK	Social Work
TEC	Technology, General
THE	Theatre Arts
TRS	Traffic Safety
VTS	Veterans Studies
WGS	Women and Gender Studies
WLD	Wildlife Management

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

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 The School of Business 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).

A course is offered during the semester indicated by the term-offering designation immediately following the credit hours earned:

I—Fall Semester**II—Spring Semester****A—By Announcement**

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 an element and number designation following the course description. Example: Gen. Ed. E-6 indicates a course which fulfills a requirement in General Education Element-6: Diversity of Perspectives and Experiences. Letters in brackets [] designate Kentucky statewide General Education core coding. See General Education Requirements in Section Four.

**COOPERATIVE EDUCATION/
INTERNSHIP (APPLIED
LEARNING)****XXX—349 Applied Learning****XXX—349 A-N Cooperative Education**

Students may register for additional hours of applied learning and cooperative education beyond those specified in each course description. However, courses students are taking will then fall into a repeat cycle where the last course taken replaces the former course so that no more than the limit noted may be counted toward a degree program, minor, or certificate.

ACC—Accounting**Dr. Oliver Feltus, Chair****ACC 201 Introduction to Financial**

Accounting. (3) I, II. Prerequisite: STA 215 or 270 or MAT 105 or higher. 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 251 Introduction to Accounting Information Systems. (3) I, II. (Formerly ACC 350.) Prerequisite: ACC 201 with a grade of "C" or better. An introduction to manual and computer-based accounting information systems. Topics include business processes, transaction cycles, and computerized accounting software. The course stresses problem solving and computer application skills.

ACC 301 Intermediate Accounting I. (3) I, II. Prerequisites: ACC 251 and CIS 212 (or INF 104) with a grade of "C" or better in each course. Financial statements, current assets, investments, current and long-term liabilities, acquisitions, use and retirement of plant and equipment.

ACC 302 Intermediate Accounting II. (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. Credit will not be awarded for both ACC 322 and ACC 322S.

ACC 322S 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 – using a service learning approach. Credit will not be awarded for both ACC 322 and ACC 322S.

ACC 327 Cost Accounting. (3) I, II. Prerequisite: ACC 202 and QMB 200 or ECO 220 or STA 215 or STA 270 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. (.5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. Three hours may be used as a major elective. Additional hours may be used to fulfill the 150-hour CPA exam requirement. May be repeated for a total of 16 credit hours.

ACC 349A-N Cooperative Study:

Accounting. (.5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. Three hours may be used as a major elective. Additional hours may be used to fulfill the 150-hour CPA exam requirement. May be repeated for a total of 16 credit hours.

ACC 425 Accounting Theory. (3) I, II.

Prerequisites: ACC 302 with a grade of "C" or better and CCT 300W. 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: Senior standing (90 hours or more) and GBU 204 with a grade of "C" or better. Law as it relates to the accounting profession.

ACC 441 Auditing I. (3) I, II. Prerequisites: ACC 301 and GBU 204 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 490 Independent Study. (1-3). A.

Prerequisite: ACC major with senior standing. 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 minimum grade of "C". 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 minimum grade of "C". Advanced study in accounting and fiscal procedures for institutions and for federal, state, county, and municipal governments.

ACC 523 Taxation of Corporations. (3) A. Prerequisite: ACC 251 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 or 322S and GBU 204 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 Advanced Management Accounting Seminar. (3) II. Cross-listed as ACC 727. Prerequisites: ACC 302, ACC 327, AEM 202, and FIN 300 with a grade of "C" or better in each course. Addresses financial, nonfinancial, and ethical dimensions of decision-making related to planning, control, and reporting. Course content goes beyond creation and accumulation of information, emphasizing appropriate application, interpretation, and use of managerial accounting information. Credit will not be awarded for both ACC 527 and ACC 727.

ACC 590 Special Topics in Accounting: _____. (1-3) A. Prerequisites: Departmental Approval. For special topics related to the field of Accounting beyond the scope of regularly offered courses. May be taken to a maximum of 6 hours provided subtitle/topics vary.

ADM—Apparel Design and Merchandising**Dr. Dana Bush, 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, yarns, 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. Prerequisites: CDF 132 and PSY 200. 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. Prerequisites: ADM 119, 201, and ECO 230. 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. Cross-listed as WGS 310. Prerequisite: ADM 102 or 201. 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. Credit will not be awarded for both ADM 310 and WGS 310.

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. Prerequisites: ADM 119 and ECO 230. 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.

(.5-8) 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-N Cooperative Study: Apparel.

(.5-8) 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, patterning 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. Prerequisites: ADM 312 or 319, 413 and 2.0 institutional 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

SECTION SEVEN - COURSE DESCRIPTIONS

be retaken to a maximum of six hours provided topics 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.

AED - Art Education

Ida Kumoji- Ankrah, Chair

AED 360 Introduction to Materials Inquiry. (3) A. Students will explore processes and materials used in K-12 programs, will present exploration results through seminar-style discussions and demonstrations, and will begin to understand and practice developmentally appropriate teaching strategies through peer teaching. Credit will not be awarded for both AED 360 and ART 360.

AED 361 Art Teaching: Grades P- 8. (3) I. Cross listed as EME 361. Prerequisites: Major in Art Education. Developmentally- appropriate curriculum, materials, and methods for the P-8 art program. Minimum of 20 field/clinical hours. Credit will not be given for both EME 361 and AED 361.

AED 540 Teaching Art in the Secondary P-12 Schools. (3) I. Cross listed as ESE 540. Prerequisites: EDF 219 (formerly EDF 319) or EDF 219W and admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: AED 561 and CED 450. Developmentally appropriate materials and methods for teaching art in the secondary schools grades P-12. Minimum of 40 field/clinical hours. Credit will not be awarded to students who have credit for ESE 540.

AED 561 Materials Inquiry in Art Education. (3) A. Prerequisites: AED 360 and admission to professional education. Corequisite: CED 450. Diversified inquiry into art materials and processes in the elementary and secondary schools. Maximum number of repeatable hours: 6.

AEM— Applied Engineering Management

Dr. Dennis Field, Coordinator

AEM 195 Computer Aided Drafting. (3) I, II. An introductory course in freehand sketching and computer-aided drafting/design. Students will be taught basic CAD commands, tools, multi-view drawings and dimensioning techniques. 2 Lec/2 Lab.

AEM 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.

AEM 202 Introduction to Quality. (3) I, II. Prerequisite: MAT 114 or higher mathematics, and STA 215, or 270. Role of statistical thinking in modern quality control. Methods for problem solving, data collection, and process improvement. Deriving actionable conclusions from data analyses. Understanding, quantifying, and reducing variation to improve business performance.

AEM 242 Furniture and Cabinet Construction. (3) A. Prerequisite: 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.

AEM 301 Non-Metallic Material Processes. (3) II. 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.

AEM 308 Methods of Lean Operations. (3) I, II. Prerequisite: MAT 114 or higher, and STA 215 or 270. Examination of lean principles, such as value mapping, continuous flow, continuous improvement, determination of customer demand, and standard work. Concepts and implementation of pull, line balancing, lean

accounting, FMEA, time studies, and total productive maintenance.

AEM 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. Credit will not be awarded for both AEM 310 and AEM 310W.

AEM 310W Computer Communications in Industry. (3) I. Prerequisites: ENG 102 or ENG 105(B) or HON 102, TEC 161. An approach to computer aided written communication typically applied in the industrial environment. Emphasis will be placed on utilizing computer technology to integrate text and graphics in the preparation of documents and presentation materials. Credit will not be awarded for both AEM 310W and AEM 310.

AEM 320 Warehousing and Material Handling. (3) A. Pre/Corequisites: AEM 202 and 308. A laboratory oriented course that examines basic warehouse layout configurations, material flow, an a critical evaluation of the application of computers to control material flow, plus the use of computer simulation to analyze various warehouse layout options for scheduling, picking and material tracking. 2 Lec/2 Lab.

AEM 330 Materials Testing and Metrology. (3) A. Prerequisites: AEM 195, 201, and MAT 120. A study of geometric dimensioning and tolerancing as used in detail working drawings and the principles, standards, equipment, and techniques of precision electronic, mechanical measurement, and material testing. 2 Lec/2 Lab.

AEM 332 Process Control and Auditing. (3) A. Prerequisite: AEM 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.

AEM 336 Reliability and Sampling. (3) A. Prerequisite: AEM 202. An overview of reliability, testing, and sampling theories. Topics include component and system reliability, product safety, sampling plans, control charts, and standards.

AEM 338 Engineered Materials Testing. (4) A. Prerequisites: AEM 201, MAT 120, and TEC 190. Structure, composition, properties, tolerances, standards, and common applications of engineering materials. Use of GD&T and techniques for precision electronic and mechanical measurement and testing.

AEM 349 Applied Learning in Industrial Technology. (-5-8) 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.

AEM 349 A-N Cooperative Study: Industrial Technology. (-5-8) 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.

AEM 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.

AEM 367 Comp Exam for AAS in Technology, Applied Engineering (0) A. Prerequisite: Departmental Approval. Registration is required of all A.A.S. Technology, Applied Engineering majors during their last semester. A comprehensive assessment exam is required.

AEM 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.

AEM 382 Advanced Material Processing. (3) A. Prerequisites: AEM 201 and 301. A laboratory course involving advanced material processing which includes project planning and management, machining, welding, precision layout, and measuring. Students will design and fabricate projects that include two-part mold designs, CNC machining, and multi-process welding. 2 Lec/2 Lab.

AEM 383 CAD/CAM Integration. (3) A. Prerequisites: AEM 201. 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.

AEM 390 3-D Parametric Solid Modeling. (3) A. Prerequisite: AEM 195. A study of advanced topics in three-dimensional computer aided design. The content will include advanced modeling and rendering. 2 Lec/2 Lab.

AEM 392 Computer Aided Machine Drawing. (3) I. Prerequisite: AEM 195. Computer generated detail and assembly drawings. Topics include threads and fasteners, gearing and cams, and dimensioning and tolerancing. 2 Lec/2 Lab.

AEM 395 Special topics in AEM: _____ (2-3) Prerequisite: AEM 202, Departmental approval, junior or higher standing. Explores emerging technologies in the area of applied engineering. May be repeated up to a maximum of 9 hours provided subject matter is different each time.

AEM 397 Advanced Machine Drawing. (3) A. Prerequisites: AEM 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.

AEM 406 Integrated Materials Mgmt. (3) I, II. Prerequisite: AEM 202. A senior course which examines consumer demand characteristics, product bill materials, establishing sales and operations plans, planning and controlling inventory in the supply chain.

AEM 407 Fundamentals of Project Management. (3) I. Prerequisite: AEM 202. Introduction to project selection, life cycle, planning using scope of work, WBS, CPM, scheduling, execution, resource allocation, expediting and closing.

AEM 408 Human Resource Development. (3) I, II. Topics in human relations and production management. To be scheduled the semester before graduation.

AEM 467 Comprehensive Exam for BS in AEM (0) A. Prerequisite: Consent of Advisor. Registration is required of all Applied Engineering Management B.S. majors during their last semester. A comprehensive assessment exam is required.

AEM 499 Senior Capstone Project. (3) II. Prerequisite: AEM 310, 352, 407, and Senior Standing. A synthesis experience involving the application of theory in solving a realistic industrial problem. Emphasis is placed upon project setup, solution, justification, report and presentation. 2 Lec/2 Lab.

AEM 506 Six Sigma Quality. (3) A. Prerequisite: AEM 202. A study of six sigma methodology and current practices with an emphasis on key quality drivers and statistical methods for world-class products and companies.

AEM 530 Design of Experiments. (3) A. Prerequisite: AEM 202. 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.

AFA— African/African-American Studies

Dr. Ogechi Anyanwu, Director

AFA 200 Musical Languages (3) I, II. Cross-listed as EMS 200. Prerequisite: ENG 102, 105(B) or HON 102. An exploration of the diversity of Sub-Saharan Africa through an immersion in pre-Colonial children's

songs and games. The course aims at developing a deeper understanding and sensitivity to cultural diversity in Africa. Credit will not be awarded for both EMS 200 and AFA 200. Gen. Ed. E-6.

AFA 201 The African Experience. (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. Credit will not be awarded for both AFA 201 and 201W. Gen. Ed. E-3B and E-6 [AH][GE].

AFA 201W The African Experience. (3) A.

Prerequisite: ENG 102, or ENG 105(B), or HON 102(B). Introduces students to the historical, socio-economic, cultural, and political experiences of African people in Africa and the Diaspora. It fulfills a core requirement for African/African-American Studies. Credit will not be awarded for both AFA 201W and 201. Gen. Ed. E-3B and E-6[AH][GE].

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. Credit will not be awarded for both AFA 202 and 202W. Gen. Ed. E-6 [GE].

AFA 202W The African-American Experience.

(3) A. Prerequisite: ENG 102, or ENG 105(B), or HON 102(B). 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. Credit will not be awarded for both AFA 202W and 202. Gen. Ed. E-6 [GE].

AFA 225 African/African-American Health Issues.

(3) A. Cross-listed as EHS 225. 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. Credit will not be awarded for both AFA 225 and EHS 225.

AFA 247 AFA Special Topics: _____ (3) A.

Specialized study of selected topics not available in traditional course offerings. Course designed for lower-division students. May be retaken with different topics to a maximum of six hours.

AFA 304 Slavery in the Americas. (3) A.

Cross-listed as HIS 304. The history of slavery, bound labor, and freedom in the Western Hemisphere. Special attention will be given to anti-slavery and abolitionist movements. Credit will not be awarded for both AFA 304 and HIS 304.

AFA 305 African American History. (3) A.

Cross-listed as HIS 305. 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. Credit will not be awarded for both AFA 305 and HIS 305.

AFA 330 U.S. South and Black Education (3).

A. Cross-listed as EDF 330. This course introduces the major themes of Black populations pursuing educational opportunities in Southern States in the U.S. Students will acquire knowledge about historical events, people and policies shaping the evolution of Blacks in education. Credit will not be awarded for both AFA 330 and EDF 330.

AFA 345 Minority Group Politics. (3) A.

Cross-listed as POL 345. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g. Black Power) of minority group politics. Credit will not be awarded for both AFA 345 and POL 345. Gen Ed. VIII.

AFA 346 Diversity and Criminal Justice. (3) A.

Cross-listed as CRJ 345. 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. Credit will not be awarded for both AFA 346 and CRJ 345.

AFA 347 Special Topics in AFA Studies. (3)

A. Specialized study of selected topics not available in traditional course offerings. May be retaken with different topics to a maximum of six hours.

AFA 349 Applied Learning in AFA Studies.

(.5-3) A. Work in a cooperative placement related to student's academic studies. May earn a maximum of three hours. A minimum of 80 hours work required for each semester hour credit.

AFA 349 A-N Cooperative Study: AFA

Studies. (.5-3) A. Work in a cooperative placement related to student's academic studies. May earn a maximum of three hours. A minimum of 80 hours work required for each semester hour credit.

AFA 356 African American Political

Thought. (3) A. Cross-listed as POL 356. Prerequisite: ENG 102, 105(B), or HON 102. Examination of political ideas espoused by African American activist from the nineteenth century to the present. Credit will not be awarded to students who have credit for POL 356. Gen. Ed. E-6.

AFA 360 Literature of Africa. (3) A.

Prerequisite: ENG 102, 105(B), or HON 102. Cross-listed as ENG 360. Survey of the genres and components of African literature, oral and written; study of how key concepts in African thought, culture and experiences are reflected in the literatures composed by writers from Africa or of African origin. Credit will not be awarded for both AFA 360 and ENG 360. Gen. Ed. E-6 [GE].

AFA 361 African-American Literature. (3)

A. Cross-listed as ENG 361. Survey of selected works of African-American literary traditions. Credit will not be awarded for both AFA 361 and ENG 361. Gen. Ed. E-6 [GE].

AFA 367 African Caribbean Literatures. (3)

A. Prerequisite: ENG 102 or 105(B) or HON 102. Cross-listed as ENG 367. A study of selected literatures written by Caribbean writers of African descent. Credit will not be awarded for both AFA 367 and ENG 367. Gen. Ed. E-6 [GE].

AFA 378 Black Women in History. (3) A.

Cross-listed as WGS 378. Examines the lives of African-American women from slavery to the present with emphasis on the impact of race, gender, and class issues on their multi-faceted lives as women in America. Credit will not be awarded for both AFA 378 and WGS 378.

AFA 385 Early African History. (3) A.

Cross-listed as HIS 385. 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. Credit will not be awarded for both AFA 385 and HIS 385.

AFA 386 Modern African History. (3) A.

Cross-listed as HIS 386. 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. Credit will not be awarded for both AFA 386 and HIS 386.

AFA 388 Islam in West Africa. (3) A.

Cross-listed as HIS 388. History of Islam and politics in West Africa from 1000 C.E. to the present. Emphasis on the role of Islam in major socio-economic, political, and cultural transformations of West African states and societies. Credit will not be awarded for both AFA 388 and HIS 388.

AFA 435 U.S. Civil Rights Movement. (3) A.

Cross-listed as HIS 435. Prerequisites: three hours AFA or departmental approval. Examination through primary and secondary sources of the origins, course, ideologies, and legacy of the mid-twentieth century American movement for racial justice and equality. Discussion of the central scholarly issues in civil rights studies. Credit will not be awarded for both AFA 435 and HIS 435.

AFA 495 Independent Study. (3) A.

Prerequisites: AFA 201, AFA 202, departmental approval. Individual study and/or research on a problem/topic pertaining to African, African-American and/ or Afro-Caribbean experience. Student must have the

independent study proposal form approved by the faculty supervisor and the program director prior to enrollment.

AFA 510 African Textile Design. (3) A.

Prerequisite: AFA 201 or AFA 202 or Departmental Approval. This course investigates the symbolism of textile design in Africa, as it examines the developments in contemporary textile art within Africa and in the African Diaspora.

AFS—Aerospace Studies (Air Force ROTC)

**Lt. Col. John Ard
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.

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. A

course designed to develop managerial skills including superior/subordinate relationships, communications, customs and courtesies, basic drill movements and career progression requirements. Credit will not be granted toward the requirements for the degree. Pass-Fail only.

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.

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.

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.

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.

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.

Involves the cadets in higher level advanced leadership experiences. 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.

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. William E. Davis, 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 111 Introduction to American

Agriculture. (3) A. An overview of the agriculture industry in the United States including significant past events, current status and trends. Complexities of laws and regulations and their influence on the producer and consumer.

AGR 115 Operation of Agricultural

Equipment. (2) I. Lecture, laboratory and field experiences related to agricultural power equipment, and their safe operation, including hydraulics, electricity, chemical, and processing and handling facilities. 1 Lec/2 Lab.

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 Plant Science. (3) A.

Corequisite: AGR 131. Principles of plant growth, reproduction, and plant-soil relationships. Provides foundations of information for further study in field crop production and soil management. Credit will not be awarded to students who have credit for OHO 131.

AGR 131 Plant Science Laboratory. (1) A.

Corequisite: AGR 130. Laboratory and field experiences related to plant growth, development, and management of crops. Credit will not be awarded to students who have credit for OHO 132.

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 and Energy Systems. (3) I, II. Principles of operation, maintenance, and repair of electrical motors; basic electrical circuits, electrical power generation 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.

Corequisite: AGR 216. Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime and commercial fertilizers, soil erosion, soil management.

AGR 216 Principles of Soils Laboratory.

(1) I, II. Corequisite: AGR 215. Laboratory and field

experiences related to soils and their properties, including soil sampling, fertility, pH, liming, water and texture. 2 Lab.

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 Introduction to Horses. (3) A.

History and role of horses and the equine industry, breeds of horses and ponies for work and pleasure, includes terminology, management, and responsibilities, breeding, pests, current issues 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 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. Agriculture majors only; minimum sophomore standing or departmental approval. A minimum of three hours per week per hour of credit using university or other approved facilities. May be retaken for a maximum of 4 credit hours.

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. Credit will not be awarded for both AGR 304 and OHO 304. 3 Lec/2 Lab.

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 308 Agricultural Economics. (3) I, II.

Prerequisite: ECO 120. 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 Ecology and Management of

Grasslands and Pastures (4) A. Prerequisites: AGR 130

and 131, and Junior Standing. Examination of grasslands and pastures from an ecological perspective with an emphasis on wildlife and livestock management. 3 Lec/2 Lab.

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 319 Renewable and Sustainable Energy

Systems. (3) II. Cross-listed as ENV 319. Prerequisite: ENG 102 or ENG 105(B) or HON 102; and MAT 105 or higher. Principles of energy and how those needs can potentially be met in the future will be discussed. Comparisons of existing energy sources (fossil fuels, nuclear power) with renewable sources (biomass, solar, and tidal). Credit will not be awarded for both AGR 319 and ENV 319.

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 326 Light Horse Production and

Management. (4) A. Prerequisite: AGR 125 and 126, or 250. Size and scope of horse industry, conformation and selection of horses, basics of equine nutrition and reproduction. Signs of health and illness. Routine health care procedures. 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 329 Sheep and Goat Production (4) A.

Prerequisite: AGR 125 and 126. An overview of the sheep and goat industry. Topics include selection, breeding, reproduction, health, nutrition, management, and marketing of sheep and goats and their products. 3 Lec/2 Lab.

AGR 330 Animal Products. (2) A.

Principles of grading, cutting, identifying, pricing, and consumer evaluation of poultry, beef, pork, and lamb cuts, and related products. 1 Lec/2 Lab.

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. Cross-listed as ENV 341. Prerequisite: any ENV or AGR course and Junior standing. 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. Credit will not be awarded for both AGR 340 and ENV 341.

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.

(.5-8) 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-N Cooperative Study: Agriculture.

(.5-8) 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. 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 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. 2 Lec/2 Lab.

AGR 376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: AGR 125. Fundamental physiological processes of livestock relating to production, nutrition, and diseases. 2 Lec/2 Lab.

AGR 377 Livestock Behavior and Welfare (3) A. Prerequisite: AGR 125 and 126. An overview of livestock behavior and its application in modern animal husbandry.

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 404 Advanced Pest Management. (3) II. Prerequisite: AGR 304 or OHO 304. Physical, biological, chemical, cultural, and genetic control of insects, weeds, and diseases. Specific emphasis on the science behind pest controls and use of organic and/or sustainable control methods.

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 Independent Study in Agriculture: _____ (1-3) I, II. Prerequisite: Departmental approval. 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. May be retaken for a maximum of 6 credit hours provided topics are different. Credit will not be awarded for both AGR 410 and 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 and Management. (3) A. Prerequisite: AGR 215 and 216. Management of soils used in turfgrass, vegetable and crop production. Topics include soil fertility and various soil amendments such as lime, organic and inorganic fertilizers, soil fertility programs, problem soils, and soil conservation.

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 430 Field Crop Production (3) A. Prerequisite: AGR 130 and 131. Advanced study of crop production theories and practices for agronomic crops. Topics include ecological, physiological and economic aspects of production of currently relevant crops. 2 Lec/2 Lab.

AGR 440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

AGR 499 Agricultural Advocacy and Issues Capstone (3) A. Prerequisite: Junior or Senior standing. Development of critical thinking skills, debates of current issues facing agriculture, and training to become agriculture advocates.

AGR 501 Independent Study 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 509 Agricultural Research Methods and Interpretation (3). I. Prerequisite: Junior or Senior standing. Explores the scientific underpinnings of modern agriculture and adaptive management, including: the scientific method, observation, experimentation, and data interpretation with an examination of fallacies that masquerade as science. May be repeated up to six hours provided topic is different.

AGR 520 Global Food Systems (3) A. Prerequisite: AGR 308. A wide-ranging examination of various domestic and international food systems. The supply chain will be analyzed from field to farm gate through marketing and transportation to the consumer. Emphasis on the economics of the food supply chain.

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.

**ANS—Animal Studies
Dr. Robert Brubaker, Chair**

ANS 200 Introduction to Animal Studies. (3) A. A survey of the field of animal studies, focusing on animals' lives and histories, and the human experience of animals as food, as objects of entertainment, spectacle and science, as companions, and as representations. Gen. Ed. E-5B [SB].

ANS 310 Animals in Literature (3) A. Prerequisite: ANS 200(C) or ENG 102 or ENG 105(B) or HON 102, or instructor approval. A survey of the rhetorical and thematic use of animals in imaginative texts.

ANS 320 Animals in History. (3) A. Prerequisite: ANS 200(C) or instructor approval. A survey of the history of animals in European and American cultures, from prehistory to the modern age. Animals are examined as food, objects of entertainment and knowledge, companions, and representations.

ANS 349 Applied Learning in Animal Studies. (-5-8) A. Prerequisites: ANS 200 (C), and BIO 112 (C), and ANT 120 (C) or departmental approval. Work in placements related to academic studies. A minimum of 80 hours employment required for each semester hour credit. Course may be repeated for up to 16 credits total. Graded Satisfactory/Unsatisfactory.

ANS 350 Animal Enrichment. (3) (A) Cross-listed as PSY 350. Prerequisite: ANS 200 or PSY 200. Covers the concept and practice of animal enrichment. Students will learn about the theoretical and applied aspects of enrichment and will acquire experience designing and implementing enrichment. Credit will not be awarded to students who have credit for PSY 350.

ANS 400 Senior Seminar: _____ (3) A. Prerequisite: ANS 200(C) and 15 hours of courses required for the ANS major. The examination of a topic in animal studies from the perspectives of application, science, and humanities. May be retaken once, provided the subject matter differs each time.

ANS 497 Topics in Animal Studies: _____ (3) A. Prerequisite: ANS 200(C) and 9 hours of courses required for the ANS major, or instructor approval. The course examines a topic in animal studies in detail. May be retaken once, provided the subject matter differs each time.

ANS 499 Senior Exit Course in Animal Studies (0). I, II. Prerequisite: Senior standing and major in animal studies. Students will complete the Senior Exit Survey and the Senior Knowledge Exam in this course.

**ANT—Anthropology
Dr. Paul Paolucci, 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. E-5B [SB].

ANT 200 Anthropology of Human Society. (3) A. Study of the evolution of human societies through time and over space. The course focuses on hunter-gatherer, horticultural, agrarian and industrial societies, and their change through time. Credit will not be awarded to students who have credit for both ANT 210 and 211. Gen. Ed. E-5A [SB].

ANT 201 Introduction to Physical Anthropology. (3) I, II. General survey of the human biological species and its evolution, emphasizing the study of genetics, osteology, primate behavior and biology, fossil populations, and contemporary human biological variation. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

ANT 306 Human Evolution. (3) A. Prerequisite: ANT 201 or departmental approval. A detailed analysis of primate and human development emphasizing the fossil evidence of humankind's evolution.

ANT 308 Quantitative Methods in Anthropology (3) A. Prerequisite: ANT 201 and completion of Gen. Ed. E-2. Addresses how anthropologists collect and organize quantitative data, select and utilize appropriate statistical analyses and procedures, and summarize results. Emphasis is given to physical anthropology applications.

ANT 311 Anthropology of Religion (3) A. Prerequisite: ANT 120 or 200. Anthropological exploration of religious belief systems across cultures and time. Analyzes the intersection of religion with subsistence strategies, economic systems, political systems, and gender structures. Topics include magic, witchcraft, sorcery, monotheism, polytheism, possession, and health.

ANT 321 Historical Archaeology. (3) A. Prerequisite: ANT 120 or ANT 200. This course provides an introduction to the material culture of North America's recent past. Lecture is combined with hands-on exercises using historic artifacts and documentary sources.

ANT 330 American Indians. (3) A. Prerequisite: ENG 102, 105(B), or HON 102. Explores the cultural diversity of American Indians by examining

their historical and contemporary lives. Focus on cultural similarities and differences of American Indian groups living in ecologically diverse areas. Gen. Ed. E-6 [GE].

ANT 341 North American Archaeology.

(3) A. Prerequisite: ANT 120 or 200. A basic but comprehensive introduction to North American archaeology from the earliest peopling through European Contact.

ANT 344 Applied Anthropology (3) A.

Prerequisite: ANT 120 or ANT 200. Comprehensive survey of applied anthropology theories, methods, and approaches. Based on extensive cross-cultural case materials, examines the historical, current, and potential applications of anthropological perspectives to social problems.

ANT 351W Archaeology. (3) A. Prerequisites: ANT 120, 200, and 201, and ENG 102 or ENG 105(B) or HON 102. A comprehensive introduction to archaeological goals, methods, practice and challenges. Data-based problem solving, critical thinking and writing are integral components of this course. Credit will not be awarded for both ANT 351W and ANT 350.

ANT 355 Selected Topics in Archaeology:

_____. (1-3) A. Prerequisite: ANT 120 or 200 or departmental approval. Topics vary. Offered occasionally. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

ANT 357 Archaeology and the Law. (3)

A. Prerequisite: ANT 120 or 200. Survey of Federal legislation for the management of cultural resources, and the repatriation of human remains and other materials to descendant Native American tribes. Global heritage issues also addressed.

ANT 360 Mesoamerica Before Cortez. (3)

A. Prerequisite: ANT 120 or ANT 200. The study of archaeological past, the colonial experience, and the contemporary reality of the Indians of Mesoamerica, focusing primarily on the ancient Maya.

ANT 365 Selected Topics in Physical

Anthropology: _____. (1-3) A. Prerequisite: ANT 201 or departmental approval. Topics vary. Offered occasionally. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

ANT 370 Primate Conservation (3) A.

Prerequisite: ANT 201 or departmental approval. The local human and biological impact of conservation programs affecting primate communities throughout the world. Topics include forest fragmentation, historical perspectives on conservation, agroforestry, ecotourism, ethnography, and disease.

ANT 371 Primate Ecology & Sociality. (3) A.

Prerequisite: ANT 201. Ecological relationships within primate communities. Students examine primate social structure, habitat use, diet, locomotion, seasonality, plant-primate interactions, and predator-prey relationships.

ANT 375 Selected Topics in Cultural

Anthropology: _____. (1-3) A. Prerequisite: ANT 120 or 200 or departmental approval. Topics vary. Offered occasionally. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

ANT 377 Medical Anthropology. (3) A.

Prerequisite: ANT 120 or ANT 200. Exploration of health, healthcare, and healing cross-culturally. Through medical anthropology theory and methods, apply critical perspectives to the health status of populations, the distribution of health in societies, and health outcomes. Credit will not be awarded for both ANT 377 and ANT 377S.

ANT 377S Medical Anthropology: Service

Learning. (3) A. Prerequisite: ANT 120 or ANT 200. Exploration of health, healthcare, and healing cross-culturally. Through medical anthropology theory and methods, apply critical perspectives to the health status of populations, the distribution of health in societies, and health outcomes. Credit will not be awarded for both ANT 377 and ANT 377S.

ANT 380 Forensic Anthropology. (3) A.

Prerequisite: ANT 201. 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.

ANT 385 Human Osteology. (3) A.

Prerequisite: ANT 201. Analysis of individual skeletal remains, focusing on functional anatomy and bone physiology, disease and injury, and nutrition. Includes introductions to bioarchaeology, forensic anthropology, and biocultural reconstruction.

ANT 393 Kinship and Marriage. (3)

A. Prerequisite: ANT 120 or ANT 200. Explores anthropological perspectives of social organization emphasizing kinship structures, families, and marriage across cultures. Through case examples, understand the anthropological methods and theories that guide studies of how cultures and societies organize social units.

ANT 395 History and Theory of Anthropology. (3) A. Prerequisites: ANT 120, ANT 200, ANT 201 and Senior standing. A capstone investigation of past and present practices and theories used to interpret data from each of anthropology's four subdisciplines. Professionalism in anthropology also integrated.

ANT 439 Practicum in Archaeology. (3)

A. Prerequisite and/or Corequisite: ANT 351W, ANT 470, or departmental 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 Archaeology. (6)

A. Prerequisite: ANT 351W with a minimum grade of "B." A hands-on study of archaeological field methods including excavation techniques as well as some laboratory analysis of archaeological remains.

ANT 471 Archaeological Materials Analysis

(3). Prerequisite: ANT 351W with minimum grade of "B." Familiarizes students with processing, analysis, and interpretation of archaeological materials. This course has a laboratory component where students will work with archaeological materials.

ANT 490 Independent Study in

Anthropology. (1-6) A. Prerequisite: student must consult with the faculty supervisor and have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

ANT 498 Directed Research in Anthropology.

(3). A. Prerequisite: ANT 120, ANT 200, ANT 201, and departmental approval. A directed research experience for anthropology majors that integrates a research experience with the students' professional development and the production of a substantive deliverable product (e.g., poster or conference presentation).

APP—Appalachian Studies

Dr. Alice Jones, Director

APP 200 Introduction to Appalachia. (3) A.

An introduction to the interdisciplinary study of the Appalachian region. Special emphasis on the region's place in a national and global context, and on internal and external definitions of the region. Gen. Ed. E-5B and E-6 [SB][GE].

APP 340 Environmental Economics (3) A.

Cross-listed as ECO 340 and ENV 340. 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. Credit will only be awarded for APP 340, or ECO 340, or ENV 340.

APP 350 Special Topics: _____ (3) A.

Exploration of particular topics not covered in the existing curriculum. May be taken for a maximum of six hours provided the subject matter is different each time.

APP 355 Rural Crime and Justice (3) A.

Cross-listed as CRJ 355. Prerequisite: sophomore standing. Survey of rural crime and justice issues, crime trends, policing and control of rural crime with particular attention given to Kentucky and Appalachia. Credit will not be awarded for both CRJ 355 and APP 355.

APP 360 Media Images of Appalachia. (3) A.

Prerequisites: ENG 102, 105 (B), or HON 102; APP 200 recommended but not required. Explores representations of Appalachia in a variety of media including documentary and feature film, television, music, magazines, news media, advertising and marketing, and in the context of contemporary sources such as social media. Credit will be awarded for only one of the following courses: APP 360, APP 363, SOC 363.

APP 365 Appalachian Literature. (3) I.

Cross-listed as ENG 365. Prerequisite: ENG 102 or 105(B) or HON 102. Study of selected Appalachian artists, with emphasis on interdisciplinary, cultural, and aesthetic concerns raised in works by writers such as Arnow, Berry, and Still. Credit will not be awarded to students who have credit for ENG 365, ENG 365W, or APP 365W. Gen. Ed. E-3B and E-6 [AH][GE].

APP 365W Appalachian Literature. (3) I.

Cross-listed as ENG 365W. Prerequisite: ENG 102 or 105(B) or HON 102. Writing-intensive study of selected Appalachian artists, with emphasis on interdisciplinary, cultural, and aesthetic concerns raised in works by writers such as Arnow, Berry, and Still. Credit will not be awarded to students who have credit for ENG 365, ENG 365W or APP 365. Gen. Ed. E-3B and E-6 [AH][GE].

APP 366 Social Change in Appalachia. (3)

A. Cross-listed as SOC 365. Completion of SOC 131 is advised before taking APP 366. 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. Credit will not be awarded for both APP 366 and SOC 365.

APP 373 Politics of Development in

Appalachia. (3) A. Cross-listed as POL 373. Prerequisite: ENG 102, 105 (B), or HON 102. 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. Credit will not be awarded to students who have credit for POL 373. Gen. Ed. E-6.

APP 375 Appalachian Religion. (3)

Prerequisites: ENG 102, or ENG 105 (B), or HON 102; APP 200 recommended but not required. Examines the history and diversity of Appalachian religious traditions, practices, beliefs and symbol systems and how they have influenced social order, politics, community activism, health services, leadership development, education, and environmental stewardship throughout the region. Credit will be awarded for only one of the following courses: APP 375, APP 370, SOC 370.

APP 420 Appalachia in U.S. History. (3)

A. Cross-listed as HIS 420. Prerequisites: ENG 102, 105 (B), or HON 102; 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. Credit will not be awarded for both APP 420 and HIS 420.

APP 430 Sustainability in Appalachia (3) A.

Cross-listed as GEO 430 and ENV 430. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded for students who have credit for GEO 430 or ENV 430.

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.

APP 490 Independent Study. (1-3) A.

Prerequisite: Student must have the independent study form/proposal approved by the faculty member and Center director prior to enrollment. May be taken for a maximum of six hours provided the subject matter is

different each time.

APP 520 Providing Health Care Services in Appalachia. (3) A. Cross-listed as OTS 520/720. Prerequisite: departmental approval. An analysis of the development and delivery of health care services in Appalachia. Examination of relevant current and historical factors which have an impact on the health of the Appalachian people. Credit will not be awarded for both APP 520 and OTS 520/720.

ARH—Art History
Ida Kumoji- Ankrah, Chair

ARH 390 Survey of Art History I: Non-Western Art. (3) I, II. Prerequisites: ENG 102(C), 105 (B) or HON 102(C). Study of the arts of Asia, Africa, Oceania, and Native Americans. Credit will not be awarded for both ARH 390 and 390W.

ARH 390W Survey of Art History I: Non-Western Art. (3) I, II. Prerequisites: ENG 102(C), 105 (B) or HON 102(C). A writing intensive study of the arts of Asia, Africa, Oceania, and Native Americans. Credit will not be awarded for both ARH 390 and 390W.

ARH 391 Survey of Art History II: Western Art. (3) I, II. Prerequisites: ENG 102 or 105(B), or HON 102. A study of the art of Western Civilization from Prehistory to Modern Europe and America. Credit will not be awarded to students who have credit for ARH 391W or ART 391.

ARH 391W Survey of Art History II, Western Art. (3) A. Prerequisites: ENG 102, 105 (B), or HON 102. A writing intensive study of the art of Western Civilization from Ancient Greece to Modern Europe and America. Credit will not be awarded to students who have credit for ARH 391.

ARH 463 Problems in Art History. (3) A. Prerequisites: ARH 390 or 390W, or 391 or 391W, or departmental approval. Limited to seniors. Continuation of study begun in regular, departmental, art history courses. May be retaken to a maximum of nine hours.

ARH 464 Renaissance and Baroque Art. (3) A. Prerequisite: ARH 390 or 390W, or 391 or 391W, or departmental approval. An in-depth study of representative aspects of the painting, sculpture, and/or architecture of Europe between 1400 and 1750.

ARH 465 History of Graphic Arts. (3) I, II. Prerequisite: ARH 390 or 390W, or 391 or 391W, or departmental approval. The history of the reproducible image in Western Art, from the introduction of printing and typography in the 15th century, through the advent of photography and the emergence of the modern graphic design profession.

ARH 467 U.S. Architectural History. (3) I, II. Prerequisites: HIS 202 and 203; or ARH 390 and 391. A specialized study of the history of American architecture from the beginnings of colonization in the 16th century to the late 20th century, focusing on regional and period styles and the range of typologies.

ARH 492 Greek and Roman Art. (3) A. Prerequisite: ARH 390 and 391 or ART 390 and 391 or departmental 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.

ARH 494 Women and the Visual Arts. (3) I, II. Prerequisite: ARH 390 or ARH 390W or ARH 391 or ARH 391W or departmental approval. A study of the roles of women in visual art and culture from various perspectives, including women as artists, patrons, and subjects in eighteenth- and nineteenth-century European art.

ARH 496 Nineteenth Century Art. (3) A. Prerequisites: ARH 390 or 390W, or 391 or 391W, or departmental approval. Study of major artistic styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

ARH 497 History of Modern Art. (3) A. Prerequisite: ARH 390 or 390W, or 391 or 391W, or departmental approval. A specialized study of art and architecture in Europe and America from the late nineteenth to the late twentieth century.

ARH 498 U.S. Art History. (3) A. Prerequisites: ARH 390 or 390W, or 391 or 391W, or departmental approval. An in-depth study of the arts of the United States of America from 1565 to 2000.

ART—Art
Ida Kumoji- Ankrah, Chair

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. Classroom instruction utilizes draped and undraped (clothed and unclothed) human models.

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. 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. E-3A [AH].

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 216 Painting for Non-Majors. (3) A. Prerequisite: ENG 101. An introduction to the craft and art of painting for non-art majors, providing fundamental experiences with materials, color mixing, paint application, directed toward both aesthetic and abstract problem-solving in the making of paintings. Credit will not be awarded to students who have credit for ART 210.

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, subtractive, and subtractive processes.

ART 230 Printmaking I. (3) I, II. Prerequisites: ART 100, 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 246 Jewelry and Metals for Non-Majors. (3) A. Prerequisite: ENG 101. Closed to Art majors. An introduction to the expressive art of jewelry and metals for non-art majors. Students execute creative projects through the exploration of various materials, techniques, and tools associated with the art form. Credit will not be awarded to students who have credit for ART 240.

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 286 Digital Photography for Non-Majors. (3) A. Prerequisite: ENG 101 or Departmental Approval. *Fully Manual Digital Camera Required.* Introduction to basic digital manual camera operation, file management, workflow, lighting techniques, and the principles and aesthetics of digital and color photography. Credit will not be awarded to students who have credit for ART 280.

ART 287 Black and White Photography for Non-Majors. (3) A. Prerequisite: ENG 101 or Departmental Approval. *Fully Manual Film Camera Required.* Introduction to basic manual film camera, black and white film processing and printing, darkroom and lighting techniques, and the principles and aesthetics of black and white photography. Credit will not be awarded to students who have credit for ART 280.

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 departmental approval. Continuation of Painting sequence, emphasizing further development of skills and conceptual abilities as they relate to image-making.

ART 313 Painting III. (3) I, II. Prerequisite: ART 312. Intermediate course in painting. Course builds on previous painting courses, providing opportunity to explore contemporary and traditional techniques, media, and subject matter.

ART 314 Painting IV. (3) I, II. Prerequisite: ART 313, Major GPA 2.5 or above and admission to the BFA program. Intermediate course in painting. Course builds on previous painting courses, providing opportunity to further explore contemporary and traditional techniques, media, and subject matter.

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, Major GPA 2.5 or above and admission to the BFA program. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism.

ART 335 Print Media (3) A. Prerequisite: ART 230, or Departmental approval. Presentation of Print Media technology topics. Emphasis placed on exploration of media. Credit will not be awarded to students who have credit for ART Special Topics: Workshop in Printmaking Technology and Aesthetics.

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, Major GPA 2.5 or above and admission to the BFA program. 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 382, Major GPA 2.5, and admission to the BFA program. Intermediate course in photography. Builds on creative skills and techniques learned in previous photography courses. Course may cover traditional, digital or alternative processes.

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, Major GPA 2.5, and admission to the painting option of 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, Major GPA 2.5, and admission to the BFA program. 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, Major GPA 2.5, and admission to the sculpture option of the BFA program or departmental approval. The students' sculptural abilities are defined and directed at the advanced level, through individually tailored extended projects.

ART 424 BFA Sculpture. (3) I, II.

Prerequisites: ART 423, Major GPA 2.5, and admission to the BFA program. 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 433 Printmaking V. (3) I, II. Prerequisites: ART 333, Major GPA 2.5, admission to the printmaking option of the BFA program, and sophomore standing. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism. Credit will not be awarded for both ART 433 and ART

432.

ART 434 BFA Printmaking. (3) I,

II. Prerequisites: ART 433, Major GPA 2.5, and admission to the printmaking option of the BFA program. 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, Major GPA 2.5, and admission to the Jewelry and Metals option of the BFA program. Designed for the advanced student pursuing a career as a professional jeweler/metalsmith. 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, Major GPA 2.5, and admission to the BFA program. 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 463 Independent Study: 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. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours.

ART 472 Ceramics IV. (3) I, II. Prerequisites:

ART 372, Major GPA 2.5, 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, Major GPA 2.5, and admission to the ceramics option of the BFA program. Continued independent work in clay as defined and directed through individual projects.

ART 474 BFA Ceramics. (3) I, II.

Prerequisites: ART 473, Major GPA 2.5, and admission to the BFA program. 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, Major GPA 2.5, and admission to the photography option of the BFA program. Advanced course 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, Major GPA 2.5. 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 499 Senior Exhibition. (1) I, II.

Prerequisite: Major GPA 3.0 and last semester senior in BFA program. Corequisite: ART 414 or 424 or 434 or 444 or 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: ARH 390 or 390W, or 391 or 391W. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

**ASL—American Sign Language
Dr. Laurence Hayes, Interim Chair**

ASL 101 American Sign Language I. (3) I,

II. A functional notional approach to learning beginning

American Sign Language (ASL). Development of basic knowledge and understanding of conversational ASL and cultural features of the language and community. 3 Lec/1 Lab. Gen. Ed. E-6 [GE].

ASL 102 American Sign Language II. (3) I,

II. Prerequisite: ASL 101 with a minimum grade of "C" or departmental permission. Continued development of basic knowledge of and understanding of conversational ASL and cultural features of the language and community. 3 Lec/1 Lab. Gen. Ed. E-6 [GE].

ASL 105 ASL Discourse & Depiction I.

(1) I, II. Corequisite or prerequisite: ASL 101 and declaration of Pre-Interpretation or Pre-Deaf Studies majors. Development of ASL conversational behavior, comprehension, depiction, discourse, and fingerspelling. Cultural engagement with members of the ASL linguistic minority. 1 Lec/1 Lab.

ASL 106 ASL Discourse & Depiction

II. (1) I, II. Prerequisite: ASL 105 with a grade of "Satisfactory". Pre- or co-requisite of ASL 102 and declaration of Pre-Interpretation or Pre-Deaf Studies majors. Continued development of ASL conversational behavior, comprehension, depiction, discourse, and fingerspelling. Cultural engagement with members of the ASL linguistic minority. 1 Lec/1 Lab.

ASL 201 American Sign Language III. (3)

I, II. Prerequisite: ASL 102 with a minimum grade of "C" or departmental permission. Development of intermediate expressive and receptive ASL skills and cultural features of the language and community. 3 Lec/1 Lab.

ASL 202 American Sign Language IV.

(3) I, II. Prerequisites: ASL 201 with a minimum grade of "C" or departmental permission. Continued development of intermediate expressive and receptive ASL skills and cultural features of the language and community. 3 Lec/1 Lab.

ASL 205 ASL Discourse & Depiction

III. (1) I, II. Prerequisite: ASL 106 with a grade of "Satisfactory". Pre- or co-requisite of ASL 201 and declaration of Pre-Interpretation or Pre-Deaf Studies majors. Continued development of ASL conversational behavior, comprehension, depiction, discourse, sign production, and fingerspelling. Cultural engagement with members of the ASL linguistic minority. 1 Lec/1 Lab.

ASL 210 ASL Fingerspelling & Numbers. (3)

I, II. Prerequisite: ASL 201 with a minimum grade of "C" or departmental permission. The course will focus on aspects of receptive and expressive fingerspelling usage, including lexicalized fingerspelling and various numbering systems within ASL.

ASL 225 Introduction to Deaf Studies (3)

I, II. Prerequisite: ASL 102 or permission of instructor. Introduces students to the historical, sociological, cultural and political experiences of Deaf people. Provides overview of Deaf people's experiences, images, and issues from a wide variety of disciplinary perspectives. Credit will not be awarded for both ASL 225 and ITP 115.

ASL 301 American Sign Language V. (3)

I. Prerequisite: ASL 202 with a minimum grade of "C" or departmental permission. Development of advanced expressive and receptive ASL skills and cultural features of the language and community. 3 Lec/1 Lab.

ASL 302 American Sign Language VI. (3)

II. Prerequisite: ASL 301 with a minimum grade of "C" or departmental permission. Continued development of advanced expressive and receptive ASL skills and cultural features of the language and community. 3 Lec/1 Lab.

ASL 305 ASL Comprehension and Fluency

I. (3) I. Prerequisite: ASL 202 with a grade of "C" or higher. Students will increase their ASL comprehension and fluency through skill-building activities. Emphasis on identifying how native ASL signers construct meaning through depictive and discursive devices.

ASL 306 ASL Comprehension and Fluency

II. (3) II. Prerequisites: ASL 305 with a grade of "C" or higher and admission to the interpreting program, Deaf Studies Major, or departmental approval. Students

will continue to increase their ASL comprehension, flexibility, and fluency through skill-building activities. Emphasis on spontaneous expression of the depictive and discursive devices that native ASL signers use to construct meaning.

ASL 310 Application of Fingerspelling & Number Systems. (3) II. Prerequisites: ASL 301 with a grade of "C" or better or departmental approval. The course will focus on aspects of receptive and expressive fingerspelling usage, including lexicalized fingerspelling and various numbering systems within ASL.

ASL 325 Historical & Current Perspectives of Deaf Ways of Being. (3) I. Prerequisites: ASL 202 and 225 with a grade of "C" or higher. Historical overview of Deaf people and their contributions to society. Comparative analysis of Deaf individuals and their diverse communities from internal and external perspectives. Emphasis of practical solutions to promote social justice.

ASL 380 Special Topics in Deaf Studies: _____, (1-3) A. Prerequisite: ASL 225(C). For special workshops or topics related to the field of Deaf Studies beyond the scope of regularly offered courses. May be taken to a maximum of 9 hours provided subtitle/topics vary.

ASL 385 Independent Work in Deaf Studies. (1-3) A. Prerequisite: ASL 225(C) and departmental permission. For independent work related to the field of Deaf Studies beyond the scope of regularly offered courses. May be taken to a maximum of 6 hours provided subtitle/topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ASL 390 Contrastive Analysis: ASL and English. (3) II. Prerequisites: ASL 301 and 305 with a grade of "C" or higher and admission to the interpreting program, Deaf Studies program, or departmental approval. The linguistic properties of ASL and English are compared and contrasted. Areas explored include phonology, prosody, morphology, syntax, discourse, and semantics. Sociolinguistic and modality differences are also examined.

ASL 400 ASL Skills for Majors (I) I, II. Prerequisites: ASL 202, with a minimum grade of "C" and admission to the ASL and English Interpretation program, or Deaf Studies program, or departmental approval. In this course students will continue to develop skills in American Sign Language, specifically focusing on vocabulary development and language usage. Clinical hours required.

ASL 425 Deaf Literature (3) A. Prerequisite: ASL 225(C), 202(C). Cultural and literary analysis of ASL and Deaf-related literature (major works in text, cinema, and video) in contemporary society. Literary style, register, grammatical features, and linguistic expression will be explored in a cultural context.

ASL 485S Deaf Studies Capstone. (3) II. Prerequisites: ASL 225, 301, 325, and ITP 215W with a grade of "C" or higher and admission to the Deaf Studies program or departmental approval. Capstone course with critical analysis of a service learning field experience. Continued development of cultural and linguistic competency as a reflective practitioner. Clinical hours required.

ASO—Orientation
Dr. Sara Ziegler, Dean

ASO 100 Student Success Seminar. (1) I, II. An introduction to the programs of the University and the College of Letters, Arts, and Social Sciences. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100A Student Success Seminar in Art. (1) I. Prerequisite: Art majors only. An introduction to the programs of the University and College of Letters,

Arts, and Social Sciences, specifically for Art majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100B Student Success Seminar in Biology. (1) I. Prerequisite: Biology, Environmental Studies, and Wildlife Management majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Biology majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100C Student Success Seminar in Chemistry. (1) I. Prerequisite: Chemistry, Forensic Science, and Pre-Professional majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Chemistry majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100E Student Success Seminar in English. (1) I. Prerequisite: English majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for English majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100H Student Success Seminar in History, Government & Economics. (1) I. Prerequisite: History, Economics, Globalization and International Affairs, Paralegal Science, Paralegal Studies, and Political Science majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for History, Government and Economics majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100I Student Success Seminar in Computer Science. (1) I. Prerequisite: Computer Science majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Computer Science majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100L Student Success Seminar in Languages & Humanities (1) I. Prerequisite: Languages, Humanities, and Philosophy majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Languages and Humanities majors. 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 and calendar, catalog details, registration, and

program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100M Student Success Seminar in Music. (1) I. Prerequisite: Music majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Music majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100P Student Success Seminar in Physics. (1) I. Prerequisite: Physics majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Physics majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100S Student Success Seminar in Anthropology, Sociology, and Social Work (1) I. Prerequisite: Anthropology, Sociology, and Social Work majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Anthropology, Sociology, and Social Work majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

ASO 100T Student Success Seminar in Mathematics & Statistics. (1) I. Prerequisite: Mathematics & Statistics majors only. An introduction to the programs of the University and College of Letters, Arts, and Social Sciences, specifically for Mathematics and Statistics majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

AST—Astronomy
Dr. Anthony Blose, Chair

AST 130 Introductory Astronomy. (3) I, II. Prerequisite: MAT 105 or higher. Elementary survey course; study of Moon, Sun, and eclipses; Solar System; near stars and Milky Way. Non-laboratory. Credit will not be awarded for both AST 130 and AST 135. Gen. Ed. E-4 [NS] (only when combined with AST 133).

AST 133 Astronomy Transition Lab. (1) I, II. Prerequisite: AST 130 or departmental approval. A transition laboratory that will allow students with credit for AST 130 to gain credit for a laboratory science course that is equivalent to AST 135. 2 Lab. Gen. Ed. E-4 [NS].

AST 135 Introductory Astronomy. (3) I, II. Prerequisite: MAT 105 or higher, or ACT mathematics subscore of 20 or higher, or departmental approval. Conceptual survey course; topics include backyard astronomy, motion of the Moon and stars, the use of light in astronomy, telescopes, the Solar System, and the Sun. Credit will not be awarded to students who have credit for AST 130. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

AST 335 Stars, Galaxies & Cosmology. (3) A. Prerequisite: MAT 105 or higher or ACT mathematics subscore of 20 or higher or departmental approval; and ENG 102 or ENG 105(B) or HON 102. A survey course describing the origin and evolution of stars, including black holes, galaxies, and the Universe.

We will demonstrate how observations, models and quantitative analysis with graphs lead to the current state of knowledge. Credit will not be awarded for both AST 335 and AST 330. 4 Lec/Lab. Gen. Ed. E-4 [NS].

ATR - Athletic Training
Dr. Eric Fuchs, Chair

ATR 100 Introduction to Athletic Training.

(1) I. For students who will be applying for admission to the Athletic Training Education Program. Students will receive an introduction to professional organizations and issues, in addition to instruction and assessment of clinical skills necessary for progress to the next athletic training course. 2 Lab hours.

ATR 201 Practicum I. (3) I. Prerequisite: PHE 212 and EMC 104 or EMC 110. Corequisite: ATR 211. This first practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. This practicum requires students to complete a minimum of 20 hours and a maximum of 25 hours per week as assigned by their preceptor.

ATR 202 Practicum II. (3) II. Prerequisite: Athletic Training major and ATR 201. This second practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. This practicum requires students to complete a minimum of 20 hours and a maximum of 25 hours per week as assigned by their preceptor.

ATR 211 Evaluation of Lower Extremity Injuries. (4) I. Prerequisite: acceptance into the professional Athletic Training Education program. Corequisite: ATR 201. Students will learn how to properly evaluate common injuries of the lower extremity and lumbar spine. Classroom and skill laboratory sessions are designed to introduce the learner to proper assessment techniques of the lower extremity and lumbar spine in various athletic training settings. 3 Lec/2 Lab.

ATR 212 Evaluation of Upper Extremity Injuries. (4) II. Prerequisite: ATR 211. Students will learn how to properly evaluate common injuries of the upper extremity, cervical spine, head, and face. Classroom and skill laboratory sessions are designed to introduce the learner to proper assessment techniques of these areas in the various athletic training clinical settings. 3 Lec/2 Lab.

ATR 221 Sport and Exercise Nutrition. (1) A. Prerequisite: ATR 100, PHE 212, and PHE 180. This course will provide an understanding of the theoretical principles and application underlying the use and effectiveness of proper nutritional guidelines to influence the performance and well being of competitive and recreational athletes.

ATR 225 Applied Anatomy for Healthcare Providers (3) A. Prerequisite: BIO 171 with a grade of "C" or better. Corequisite: ATR 225L. Students repeating ATR 225 must also enroll in 225L and the most recent grade in these two co-requisites will be applied toward student's GPA. Provide students with the opportunity to identify, explore and compare human musculoskeletal, nerve, and vascular body structures. This course will focus on anatomy function and assessment from the healthcare perspective. 3 Lec.

ATR 225L Applied Anatomy for Healthcare Providers Lab (1) A. Corequisite: ATR 225. Students repeating ATR 225L must also enroll in ATR 225 and the most recent grade in these two corequisites will be applied toward student's GPA. Provide students with hands on opportunity to locate, explore and compare human body structures through palpation. This course

will focus on musculoskeletal, nerve and vascular structures assessment for healthcare providers. 2 Lab.

ATR 301 Practicum III. (3) I. Prerequisite: ATR 202. This third practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. This practicum requires students to complete a minimum of 15 hours and a maximum of 30 hours per week as assigned by their preceptor.

ATR 302 Practicum IV. (3) II. Prerequisite: ATR 301. This fourth practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. This practicum requires students to complete a minimum of 15 hours and a maximum of 35 hours per week as assigned by their preceptor.

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. (3) II. Prerequisite: ATR 311. Study of the therapeutic use of drugs in patients, including pharmacokinetics, pharmacodynamics, and routes of administration, in addition to the legal, moral and ethical implications of drug administration by the athletic trainer. Further study will include the principles of psychosocial intervention with respect to injury and rehabilitation.

ATR 330 Foundations of Orthopedic Evaluation. (3) I. Prerequisite: ATR 225, 225L and PHE 212, each with a grade of "C" or better. Students will learn how to properly evaluate common injuries of the lower and upper extremity and spine. Students will learn how to apply these techniques to various structures and pathologies across the entire human body. 3 Lec.

ATR 340 Foundations of Rehabilitation. (2) A. Prerequisite: ATR 330 with a minimum grade of "C". Corequisite: ATR 340L. Students repeating ATR 340 must also enroll in ATR 340L and the most recent grade in these two corequisites will be applied toward student's GPA. Study and development of therapeutic exercise program design. Emphasis on understanding the interaction between healing, exercise selection and the return to function. 2 Lec.

ATR 340L Foundations of Rehabilitation Lab. (1) A. Corequisite: ATR 340. Students repeating ATR 340L must also enroll in ATR 340 and the most recent grade in these two corequisites will be applied toward student's GPA. Application of rehabilitation techniques to further understand the interaction between healing, exercise selection and the return to function. 2 Lab.

ATR 398 Pre-Season Practicum in Athletic Training (3) A. Prerequisites: ATR 202, Pre-season clinical experience in athletic training, requires students to complete a minimum of 30 hours and a maximum of 60 hours weekly during pre-season athletic camps at an EKU affiliated clinical site from August 1 Summer until Day before Fall Semester classes start. Credit will not be awarded for both ATR 398 and PHE 398.

ATR 401S Practicum V (3) I. Prerequisite: ATR 302. This fifth practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The

proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. Includes a minimum of 15 service-learning hours. This practicum requires students to complete a minimum of 15 hours and a maximum of 35 hours per week as assigned by their preceptor.

ATR 402 Practicum VI. (3) II. Prerequisite: ATR 401. This sixth practicum course provides the student with clinical skill based opportunities within a variety of athletic training settings. Classroom and laboratory sessions are designed to introduce the learner to specific educational competencies and clinical proficiencies. The proficiencies will be practiced and assessed to given specific standards of achievement and linked to courses previously taken. This practicum requires students to complete a minimum of 10 and a maximum of 30 hours per week as assigned by their preceptor, at each of their three four week clinical rotations with physicians, physician assistants or NPs, physical therapist and athletic training settings.

ATR 411 General Medical. (3) I. Prerequisite: ATR 322. Study of general medical conditions and disabilities.

ATR 412 Organization and Administration. (3) I. Prerequisites: ATR 312 and ATR 322. Study of concepts of health care organization and administration relative to athletic training. The course will include such topics as legal liability, fiscal management, facilities operation, personnel supervision, public relations, and organizational structures.

ATR 421 Senior Seminar. (2) I. Prerequisites: ATR 411 and ATR 412. Integration and application of athletic training clinical skills and knowledge through research and presentation of critical questions and contemporary issues in athletic training.

ATR 430 Foundations of Clinical Practice. (3) A. Prerequisite: ATR 340 and 340L each with a grade of "C" or better. Students will receive an introduction to the clinical practice of athletic training and/or physical therapy through didactic education, basic skill performance, and clinical observation; preparing them for future clinical practice.

AVN—Aviation

Mr. Dennis Sinnett, Coordinator of Aviation

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 161 Private Pilot-Airplane: Ground (Part 61) (4) A. Prerequisite: Math ACT of 22 or higher, or math placement score equivalent to Math 098 or higher, or MAT 098 or above with a grade of "C" or better. Provides aeronautical knowledge to prepare student pilots to successfully complete FAA Private Pilot-Airplane written examination. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 161A Private Pilot-Airplane (Part 61): Flight I. (1) A. Prerequisite or Corequisite: AVN 161 and overall 2.0 GPA. Students receive 20 dual and/or initial solo flight instruction hours as part of the FAA private pilot SEL certification using FAA part 61 Rules. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 162A Private Pilot-Airplane (Part 61): Flight II. (1) A. Prerequisite: Dept. approval (i.e student must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Students receive 25 dual and/or initial solo flight instruction flight hours as part of the curriculum leading to FAA private pilot SEL certification using FAA part 61 rules. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 192 Private Pilot-SEL: Ground. (4) A. Provides aeronautical knowledge to prepare student pilots to successfully complete FAA Private Pilot written

examination. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 192A Private Pilot-SEL: Flight I. (1) A. Prerequisite or Corequisite: AVN 192 with "C" or better and overall 2.0 GPA. Students receive 20 solo and/or dual flight hour instruction as part of the private pilot SEL certification using FAA-approved Part 141 flight training syllabus (Lab). See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 193A Private Pilot-SEL: Flight II. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 25 flight hours leading to FAA private pilot SEL certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 220 Instrument Pilot SEL & MEL: Ground. (4) A. Prerequisite: AVN 192 or AVN 161, AVN 161A or AVN 192A or Instructor permission, and overall 2.0 GPA. Provides aeronautical knowledge and 10 flight simulation hours necessary to prepare student pilots to successfully complete the FAA Instrument Pilot written examination. 3 Lec/2 Lab. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 221A Instrument Pilot: Flight I. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs.). Students receive 13 flight and 10 simulator hours leading to the FAA instrument pilot certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 222A Instrument Pilot: Flight II. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Students receive 24 flight hours leading to the FAA instrument pilot certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 231A Instrument Pilot-MEL: Flight I. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student receives 25 dual MEL flight hours, 10 simulation and 5 ground hours leading to the FAA instrument pilot certification using FAA-approved Part 141 flight training syllabus.

AVN 232A Instrument Pilot-MEL: Flight II. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student receives 25 dual MEL flight hours, 10 simulation and 5 ground hours leading to the FAA instrument pilot certification using FAA-approved Part 141 flight training syllabus.

AVN 300 Commercial Pilot-SEL & MEL: Ground. (2) A. Prerequisites: AVN 192 or AVN 161 and 220, with "C" or better, and AVN 221A and Dept. approval. Provides aeronautical knowledge to prepare student pilots to successfully complete FAA Commercial Pilot written examination. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 300A Commercial Pilot: Flight. (1) A. Prerequisites: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). The course consists of all or part of the dual and solo flight hours required for FAA commercial pilot certification.

AVN 301A Commercial Pilot-SEL: Flight I. (1) A. Prerequisite: Dept. approval (i.e. students must

make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 30 dual and/or solo flight hours as part of the curriculum leading to the FAA commercial pilot SEL certification using FAA-approved Part 141 flight training syllabus.

AVN 302A Commercial Pilot-SEL: Flight II. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive an additional 25 dual and/or solo flight hours as part of the FAA commercial pilot SEL certification using FAA-approved Part 141 flight training syllabus.

AVN 303A Commercial Pilot-SEL: Flight III. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs.) Student will fly an additional 28 dual and/or solo flight hours as part of the FAA commercial pilot SEL certification using FAA-approved Part 141 flight training syllabus.

AVN 304A Commercial Pilot-SEL: Flight IV. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will fly the remaining 39 dual and/or solo hours flight hours as part of the curriculum leading to the FAA commercial pilot SEL certification using FAA-approved Part 141 flight training syllabus.

AVN 305 Multi-Engine Pilot (MEL): Ground. (1) A. Prerequisite: AVN 193A or AVN 162A. Provides multi-engine aeronautical knowledge and 6 flight simulation to facilitate successful completion of multi-engine practical checkride. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 305A Multi-Engine: Flight. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 25 dual flight hours as part of the curriculum leading to the FAA Multiengine land (MEL) pilot certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

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: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Flight training to prepare students for FAA examinations.

AVN 315 Aviation Safety Programs. (3) I, II. A. Prerequisite: AVN 150. A presentation of factors, procedures, and aircraft accident investigation case studies relating to aviation safety, including risk management assessment, hazard identification analysis, safety program development, called Safety Management Systems (SMS) by Federal Aviation Administration, and evaluation of outcomes.

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: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Flight training to prepare students for FAA examinations.

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 330 Human Factors and Crew Resource Management. (3) A. Prerequisite: AVN 315. An integrated approach in the study of relations between pilot selection, training, flight deck design, machine compatibility, and safety. Emphasis is placed on human factors research enhancing compatibility of pilots and accident prevention.

AVN 331A Commercial Pilot-MEL: Flight I. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student receives initial 17 dual flight hours and 5 ground instruction hours as part of the FAA commercial pilot MEL certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 332A Commercial Pilot-MEL: Flight II. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Students continue with 20 dual flight hours and 5 ground instruction hours leading to the FAA commercial pilot MEL certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 333A Commercial Pilot-MEL: Flight III. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Students continue with 22 flight hours and 5 ground instruction hours leading to the FAA commercial pilot MEL certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 334A Commercial Pilot—MEL: Flight IV. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Students continue with 24.5 dual and/or PDPIC flight hours and 5 ground instruction hours as part of the curriculum leading to the FAA commercial pilot MEL certification using FAA-approved Part 141 flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 335 Weather Reporting/Analysis. (3) I, II. A comprehensive analysis of weather conditions and patterns as they apply to flight.

AVN 340 Airport Management. (3) I, II. 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. (.5-8) 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-N Cooperative Study: Aviation. (.5-8) 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) A. A survey of the historical development of the air transportation system covering facilities, impact of regulations, problems encountered, and future requirements.

AVN 360 Essentials of Aviation Management. (3) I, II. Designed to provide students with an understanding of an airport Fixed Base Operator's role and also of Aviation Service Businesses in the aviation industry, to include managerial and operational problems.

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. Prerequisites: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). A one hour laboratory course consisting of the dual flight hours required for FAA certification.

AVN 401 Airline Management. (3) A. Prerequisite: AVN 350 with a "C" or better. Acquaint student with the development, administrative and operational factors peculiar to FAR Part 121 Airline Operations. 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 415 Instructor Pilot-SEL: Ground. (3) A. Prerequisite: AVN 192, AVN 220, and AVN 300 with "C" grade or better and overall 2.0 GPA. Prepares student pilots for the FAA Certified Flight Instructor (CFI) & Fundamentals of Instruction (FOI) written exams. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 415A Instructor Pilot-SEL: Flight. (1) A. Prerequisite: AVN 304A with "S" grade. Prerequisite or corequisite: AVN 415 with "C" or higher, and overall 2.0 GPA. Student receives 15 dual flight hours, 5 flight simulation hours and 20 ground hours leading to the FAA instructor pilot (SEL) certification using FAA-approved flight training syllabus.

AVN 416A Instructor and Commercial Pilot—SEL: Flight. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 25 dual flight hours, 5 simulation hours and 20 hours of ground instruction leading to the FAA Instructor Pilot (IP) SEL and Commercial Pilot-SEL certifications using FAA-approved flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 420A Flight Training Techniques III. (1) A. Prerequisites: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Flight preparation for FAA CFI Multi-Engine flight test.

AVN 421 Instrument and Multi-Engine IP: Ground. (2) A. Prerequisite: AVN 415 with "C" grade or better and overall 2.0 GPA or an Instructor Pilot-SEL rating. Provides study of aeronautical information for becoming instrument and multi-engine flight instructor, and preparation for FAA Instrument Instructor written. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 421A Instrument Instructor-SEL: Flight. (1) A. Prerequisite Dept. approval (i.e. students must make satisfactory flight progress, as determined by the

Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 10 flight hours, 10 simulation hours and 10 hours of ground instruction leading to the FAA Instrument Instructor Pilot (IP) SEL rating using FAA-approved flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 422A Commercial and Instructor Pilot—MEL: Flight. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 25 dual flight hours, 5 simulation hours and 10 hours of ground instruction leading to the FAA commercial multi-engine add-on and multi-engine instructor ratings using FAA-approved flight training syllabus.

AVN 423A Instructor Pilot—Multi-Engine: Flight. (1) A. Prerequisite: Dept. approval (i.e. students must make satisfactory flight progress, as determined by the Aviation Coordinator, before being allowed to register into subsequent AVN flight labs). Student will receive 10 dual multi-engine, 2 dual single-engine flight hours, 10 simulation hours and 10 hours of ground instruction leading to the FAA Multi-Engine instructor rating using FAA-approved flight training syllabus. See <http://aviation.eku.edu/aviation-flight-fees> for estimated flight hours and related course and flight fees.

AVN 425 Applied Aerodynamics. (3) A. Prerequisite: MAT 114 or higher, and PHY 101. Applied theories of flight and flight factors, including a study of the principles of aircraft performance, stability and control, and operational data.

AVN 435 Turbine Aircraft Systems. (3) A. Prerequisite: AVN 325 with a "C" or better or instructor approval. A study of the functioning theory and integral components of gas turbine (jet) engines. Additionally, provides a study of electrical, mechanical and hydraulic systems as they relate to turbine engine aircraft.

AVN 460 Aviation Law. (3) I, II. Prerequisite: junior standing (at least 60 hours) and AVN 350. 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 467 Comprehensive Exam for BS in Aviation (0) A. Prerequisite: Consent of Advisor. Registration in AVN 467 is required of all undergraduate B.S. (Aviation) students for the term in which they wish to take their comprehensive examination, including the exit exam and advisor approved certification or license.

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 480 Glass Flight Deck Technologies. (1) A. Prerequisite: AVN 222A or AVN 232A and 330. Provides an integrated approach to the theory, technology, and operations of "Glass" flight deck technologies to prepare student pilots to successfully operate "glass" flight deck aircraft. Course includes 5 hours in "Glass" capable AATD flight simulator.

AVN 490 Airline Flight Operations. (3) A. Prerequisite (s): AVN 330, 435, and 480. Provides an academic and AATD flight simulation-based transition from the general aviation reciprocal engine flight operations at 130 KIAS to airline turbojet flight operations at 350 KIAS or faster. Actual airline flight operations, to include flight deck flows and checklist usage will be introduced. Student pilots will fly 10 hours of AATD jet transition flight simulation as a 2 person crew. 2 Lec/2 lab

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. Deborah T. Givens, Chair**

BEM 200 Mass Media and Society. (3) I, II. Formerly COM 200. 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. Credit will not be awarded to students with credit for: BEM 200W, COM 200, COM 200W. Gen. Ed. E-5B [SB].

BEM 200W Mass Media and Society. (3) I, II. Formerly COM 200W. Prerequisites: ENG 102, or ENG 105(B), or HON 102. Introduction to mass media issues. Analyzes mass media impact on social, political and economic sectors of American and world societies. Considers issues/trends, including ethics, legal controls, violence and censorship. Credit will not be awarded to students with credit for: BEM 200, COM 200, COM 200W. Gen. Ed. E-5B [SB].

BEM 202 Information Gathering. (3) A. A survey of research strategies and methods for locating, analyzing, and managing information from a variety of sources through use of the core techniques of making observations, conducting interviews and accessing documents from government agencies, archives, popular press and web-based sources.

BEM 203 Introduction to Media Writing. (3) A. Prerequisites: ENG 102 or 105(B) or HON 102. Study of the coverage of news for all types of media. Developing writing skills for broadcast, electronic, and print media distribution platforms including television, radio, podcasts, Internet news sites, newspapers, magazines, and social media. Credit will not be awarded for both BEM 203 and COM 201.

BEM 240 Basic Media Skills. (3) I, II. An examination of the audio, lighting, and web-based skills needed by broadcast professionals in today's integrated media marketplace.

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 and CMS 210. 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 301 Multimedia Newsriting. (3) A. Prerequisites: BEM 203. Students will critically evaluate, then write and produce multimedia stories, learning to combine online text, audio, and video. Students will learn journalistic interviewing techniques and research strategies, and be able to differentiate amongst news, feature, and opinion writing genres. Credit will not be awarded for both BEM 301 and COM 301.

BEM 302 Journalism Practicum (1-3) I, II. Formerly JOU 302. Supervised practical experience in a journalistic operation. Credit will not be awarded for both BEM 302 and JOU 302.

BEM 305W Storytelling & Feature Writing. (3) I, II. Prerequisite: BEM 203 or departmental approval. Create feature stories for multimedia platforms that blend journalism and art. Explore the dual nature of interactive features, including written forms and podcasting, based on facts but with the voice of a novel. Credit will not be awarded to students who have credit for JOU 305 or JOU 305W.

BEM 320 Digital Publishing Design. (3) I, II. Prerequisite: BEM 202 or JOU 400. An introduction to the fundamental tools of digital publication design. Subjects covered include photography, typography, publication best practices, digital image toning and compositing, masking, digital magazine layout, color theory, and press preproduction. Credit will not be awarded to students who have credit for JOU 320 or PUB 320.

BEM 325 Photojournalism. (3) I, II. Formerly

JOU 325. Prerequisites: ENG 102 or 105(B) or HON 102. Examines principles of digital photography, stressing hands-on skills in producing professional quality images. Looks at role the photojournalist serves. Provides an introduction to color correction in Photoshop. Credit will not be awarded for both BEM 325 and JOU 325.

BEM 330 Sportswriting and Reporting. (3) I, II. Formerly COM 330. Prerequisites: ENG 102 or 105(B) or HON 102. Writing and producing of game, feature and interview stories for print and broadcast. Includes play by play, sports commentary and analysis. Credit will not be awarded for both COM 330 and BEM 330.

BEM 343 Audio Practicum. (1-3) I, II. Prerequisite: BEM 240 or 295. 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. (.5-8) 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-N Cooperative Study: Broadcasting and the Electronic Media. (.5-8) 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 350 Cinema History I. (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102. 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. E-3A [AH]. 2 Lec/2 Lab.

BEM 351 Cinema History II. (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102. 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. E-3A [AH]. 2 Lec/2 Lab.

BEM 352 Film Techniques & Technology. (3) I. Prerequisite and/or Corequisite: BEM 350 or 351. The study of various technologies employed in traditional/electronic film production. Emphasis on the study of social, economic, technological and political factors and their effects on the development of cinematic techniques.

BEM 353W The Art and Craft of Screenwriting. (3) A. Prerequisite: ENG 101 and 102 (or 105) or HON 102. Conceiving, structuring, writing and marketing the contemporary American screenplay. Requires developing and writing original screenplays for marketing in the contemporary film environment. Credit will not be awarded for both BEM 353W and 353.

BEM 370 Electronic Cinema Production. (4) I, II. Prerequisites: BEM 240, 295, and 352 with a minimum grade of "C". 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 105B) or HON 102. 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. 3 Lec/3 Lab.

BEM 396 Motion Graphics. (3) I, II. Prerequisite/Corequisite: BEM 395. Training on industry standard motion graphics software used for post-production design and editing. The course examines visual effects and multimedia, covering techniques needed to improve students' command of motion graphics in video production.

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 400 Studies in Electronic Media (1-4) A. Prerequisite: departmental approval. Study of specific areas of media through a course examining timely or topical concerns in the field. Specific topic included in schedule. May be retaken to maximum of nine hours.

BEM 401 Multimedia Field Production. (3) A. Prerequisites: BEM 295 and 301. Students will apply their cumulative skills to design and produce semester-long, individual or team multimedia projects that will engage news consumers in carefully assembled amalgamation of text, audio, video, photos, interactive graphics.

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 405 Media Law. (3) A. Formerly COM 405. Prerequisite: BEM 200 or 200W or COM 200 or 200W or department approval. Examination of First Amendment rights and free expression philosophies that impact multimedia platforms, including access to information and public spaces, copyright, fair use, libel, slander, privacy, free press/fair trial, obscenity, and commercial speech regulation. Credit will not be awarded for both BEM 405 and COM 405.

BEM 412 Multimedia Web Development. (3) I, II. Formerly JOU 412. Prerequisite: PUB 320(C) or JOU 320(C) or BEM 320(C). An introduction to web site design, HTML and CSS. Subjects covered include organizing web content, web hosting, the languages of HTML and CSS, digital image preparation and deployment, browser development tools, Javascript libraries (jQuery), and best practices for coding and deploying multimedia online. Credit will not be awarded to students who have credit for JOU 412 or PUB 412.

BEM 415 Media Ethics. (3) A. Formerly COM 415. Prerequisite: BEM 200 or 200W or COM 200 or 200W. Examination of ethical standards and practices of the mass media. Includes development of ethical decision-making skills. Credit will not be awarded for both BEM 415 and COM 415.

BEM 425 Electronic Media Operations (3) A. Prerequisite: BEM 200 or 200W or COM 200 or 200W. Study of the issues that impact managing, programming and operating a media enterprise, including federal regulations.

BEM 445 Broadcast and Cable Promotion. (3) I, II. Formerly COM 445. Prerequisite: BEM 295. Study of broadcast and/or cable promotion in the areas of writing, production, marketing, and public relations. Includes exercises in promotions. Credit will not be awarded for both BEM 445 and COM 445.

BEM 453 Advanced Screenwriting. (3) I, II. Prerequisites: BEM 353W or departmental approval.

Writing and marketing the screenplay for television and film. Emphasis is placed on structuring and composing the screenplay for advanced writers. Open to all majors.

BEM 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. 2 Lec/2 Lab.

BEM 471 Media Sales. (3) A. Previously COM 471. Prerequisite ENG 102 or 105(B) or HON 102. 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. Credit will not be awarded to students who have credit for COM 471.

BEM 491 Senior Seminar. (2) I, II. Prerequisites: completion of 90 hours with at least one hour from BEM 349 or 343 or 398. Evaluates students' progress toward a career in mass communications, especially the development of an electronic portfolio, and develops job search strategies and skills. Includes assessment of instruction and curriculum

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.

BEM 499 Independent Study in Electronic Media. (1-4) A. Prerequisite: Student must consult with the faculty supervisor and have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of four hours.

**BIO—Biology
Dr. Malcolm Frisbie, Chair**

BIO 100 Introductory Biology. (3) I, II. Prerequisite: Completion of all developmental requirements. 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 BIO 101 or 102. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

BIO 101 Essentials of Biology. (3) I, II. ONLINE ONLY. Prerequisite: Completion of all developmental requirements. Biological principles and applications as relates to life on earth from the molecular to ecosphere scale; current topics in genetics, evolution, ecology, plant and animal diversity, and human biology will be discussed. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for BIO 100 or 102. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

BIO 102 Inquiry Biology for Teachers. (3) I, II. Prerequisites: completion of all developmental requirements; 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 BIO 100 or 101. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

BIO 111 Cell and Molecular Biology. (4) I, II. Prerequisite: Completion of all developmental requirements. An introduction to fundamental principles of cell and molecular biology as they apply to plants, animals, and microbes; the molecular basis of life, cellular structure and function, genetic and molecular biology. Designed for biology majors. 3 Lec/2 Lab. Gen.

Ed. E-4 [NS].

BIO 112 Ecology and Evolution. (4) I, II. Prerequisite: Completion of all developmental requirements. An introduction to the fundamental principles of ecology and evolution: interactions among plants, animals, microbes, and their environment, and the diversification of life through evolutionary processes. Designed for biology majors. 3 Lec/2 Lab. Gen. Ed. E-4 [NS].

BIO 171 Human Anatomy. (3) I, II. Prerequisite: Completion of all developmental requirements. A study of the basic anatomy of the human body and appropriate correlations with body functions. 2 Lec/2 Lab.

BIO 271 Advanced Human Anatomy. (3) II. Prerequisites: BIO 171. 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 for both BIO 273 and MLS 209. 2 Lec/4 Lab.

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.

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.

BIO 305 Biology of Sex (3) I,II. Prerequisite: ENG 102, 105(B), HON 102, or departmental approval. Fundamental principles related to human sexual reproduction. Structure, function, control, and coordination of the human reproductive system. Problems associated with fertility, sexuality, birth control, STDs, and human population will be discussed. May not be used to satisfy area, major, or minor requirements.

BIO 310 Biology of Aging. (3) A. Prerequisite: BIO 100 (grade of C or better) or BIO 171 (grade of C or better) or departmental 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.

BIO 315 Genetics. (4) I, II. Prerequisite: BIO 111 (grade of C or better) or 112 (grade of C or better) 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 112 (grade of C or better) or departmental approval. 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 318 General Botany. (4) I, II. Prerequisites: BIO 111 (grade of C or better) or 112 (grade of C or better). Both courses are recommended. Structure and functions of vascular plants; morphology, classification, life histories, ecology and evolution of autotrophs, plantlike protists, and fungi. 3 Lec/3 Lab. Credit will not be awarded to students who have credit for BIO 131.

BIO 319 General Zoology. (4) I, II. Prerequisite: BIO 111 (grade of C or better) or 112

(grade of C or better). Both courses are recommended. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals. 3 Lec/3 Lab. Credit will not be awarded to students who have credit for BIO 141.

BIO 320 Principles of Microbiology. (4) I, II. Prerequisites: BIO 111 (grade of C or better) and CHE 112 (grade of C or better); 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 331 Cell Biology. (3) I. Prerequisites: BIO 111 (grade of C or better) and CHE 112 (grade of C or better) or departmental approval. 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 332 Careers in Biomedical Sciences (1) I, A. Prerequisites: BIO 331 (grade of C or better) and ENG 102, or 105(B) or HON 102. Students will explore the diverse range of career options within the biomedical sciences, develop job acquisition skills, and gain an appreciation for biomedical ethics. This course requires experiential learning through an internship/shadowing experience. 1 Lec.

BIO 335 Plant Systematics. (3) II. Prerequisites: BIO 111 (grade of C or better), 112 (grade of C or better), and 318 (grade of C or better); or departmental approval. Identification, classification and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

BIO 342 Comparative Vertebrate Anatomy. (4) I. Prerequisites: BIO 112 (grade of C or better) and 319 (grade of C or better); or departmental approval. Evolutionary relationships of the classes of vertebrates are investigated through their anatomy. Laboratory studies of organs and systems of vertebrate animals primarily compare the dogfish shark, the mudpuppy (*Necturus*), and the cat. 2 Lec/4 Lab.

BIO 348 Vertebrate Physiology. (3) I, II. Prerequisites: BIO 111 (grade of C or better) and CHE 112 (grade of C or better); and PHY 131 (grade of C or better) or 201 (grade of C or better) or departmental approval. Command of human physiology through an integrated study of the physical, chemical, and cellular aspects of physiological systems across vertebrates. Group work and critical thinking will be stressed utilizing human case studies and computer simulations. 3 Lec.

BIO 349 Applied Learning in Biology. (5-8) 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-N Cooperative Study: Biology. (5-8) 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 (grade of C or better) or departmental 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 375W Microbes and Food. (3) A. Prerequisites: ENG 102 or 105(B), or HON 102; and BIO 111 (grade of C or better) or departmental approval. An overview of food-borne illness and food safety, the role of microbes in food production and the relationships between diet and the human microbiome.

BIO 378 Human Physiology Laboratory. (1) I, II. Prerequisite or Corequisite: BIO 301(grade of C or

better) or departmental approval. 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.

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 495 Evolutionary Application and Theory. (1) I, II. Prerequisite: BIO 315 (grade of C or better) and junior or senior standing; or departmental approval. Discussion of topics relating to evolutionary theory with special emphasis on the impact of evolution in everyday life. This is a course that builds upon evolutionary concepts learned throughout the biology curriculum. 2 Lab.

BIO 500 Environmental Issues. (3) II. Cross-listed as ENV 500. Prerequisite: Senior Standing; BIO 100 (grade of C or better), 102 (grade of C or better) or 112 (grade of C or better). Students will learn to identify, investigate and evaluate environmental issues as well as plan appropriate action based on their analysis. Credit will not be awarded to students who have credit for ENV 500.

BIO 514 Evolution. (3) I, II. Prerequisites: BIO 112 (grade of C or better) and 315 (grade of C or better) or departmental approval. A study of Darwinism, the history of life in the context of contemporary biology, and the evidences and mechanisms of evolutionary change, with particular emphasis on human evolution and the challenges of teaching and understanding evolution in modern society.

BIO 520 Invasive Species Management. (3) A. Prerequisites: Senior standing; BIO 316 (C or better) or departmental approval. Examination of the circumstances that allow introduced species to become invasive. Reviews the current approaches used to reduce the incidence and impact of invasive species. Credit will not be awarded to students who have credit for BIO 599/799 Special Topics: Invasive Species Management.

BIO 521 Plant Ecology. (4) A. Prerequisites: BIO 316 (grade of C or better), and BIO 318 (grade of C or better), or BIO 335 (grade of C or better) or departmental approval. Ecological concepts and principles relevant to eastern terrestrial ecosystems. Required Fall Break field trip. 2 Lec/4 Lab.

BIO 525 Aquatic and Wetland Plants. (3) A. Prerequisites: BIO 111 (grade of C or better), 112 (grade of C or better), and 318 (grade of C or better); or departmental approval. Collection, systematics, distribution, ecology, and reproduction of aquatic and wetland vascular plants. 1 Lec/4 Lab.

BIO 527 Immunology. (3) A. Prerequisites: BIO 320 (grade of C or better) and CHE 361 (grade of C or better); or departmental 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 (grade of C or better); or departmental approval. 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 (grade of C or better), 102 (grade of C or better), or 111 (grade of C or better), or 112 (grade of C or better) 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.

BIO 531 Principles of Molecular Biology (4) A. Prerequisites: BIO 320 (grade of C or better) or 331 (grade of C or better), and CHE 361 (grade of C or better); or departmental approval. An in-depth study of the structure, function, and technological applications of

nucleic acids and proteins. Laboratory experiences will involve manipulation of DNA and RNA molecules for the purpose of isolation, genetic engineering, forensics, and gene expression analysis. Credit will not be awarded for both BIO 531 and 531S. 2 Lec/4 Lab.

BIO 531S Principles of Molecular Biology

(4) A. Prerequisites: BIO 320 (grade of C or better) or 331 (grade of C or better), and CHE 361 (grade of C or better); or departmental approval. An in-depth study of the structure, function, and technological applications of nucleic acids and proteins enhanced with a service-learning component. Laboratory experiences will involve manipulation of DNA and RNA molecules for the purpose of isolation, genetic engineering, forensics, and gene expression analysis. Credit will not be awarded for both BIO 531S and 531. 2 Lec/4 Lab.

BIO 532 Conservation Biology. (3) I.

Prerequisite: BIO 316 (grade of C or better) or departmental approval. Examination of principles and practices of conserving global biological diversity. Emphasis on causes, consequences and rates of extinction, as well as the natural resource planning and policies used to mitigate the loss of biodiversity. Focus will be given to the application of philosophical, biological, sociological, legal, and on-the-ground management principles for the conservation of genes, species and ecosystems.

BIO 533 Bioinformatics: Principles and Applications. (3) II. Prerequisite: BIO 315 (grade of C or better); or departmental approval. An exposure to the theory and practice of bioinformatics, as they relate to laboratory (Cell and Molecular Biology, Biochemistry) and field (Evolutionary and Population Biology) research applications in the life sciences. Discussion and utilization of the prevalent approaches and methodologies currently used in Bioinformatics.

BIO 535 Pathogenic Microbiology. (4)

A. Prerequisite: BIO 320 (grade of C or better) or departmental approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial diseases; aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab.

BIO 536 Dendrology. (3) I. Prerequisite:

BIO 111 (grade of C or better), 112 (grade of C or better), and 318 (grade of C or better) or departmental 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. Prerequisites: BIO 112 (grade of C or better) and 319 (grade of C or better) or departmental approval. Collection, systematics, distribution, behavior, ecology, and life histories of freshwater invertebrates. 2 Lec/3 Lab.

BIO 546 Histology. (4) II. Prerequisites: BIO 331 (grade of C or better) and 348 (grade of C or better); or departmental approval. This course will provide students with an essential understanding of functional morphology in vertebrate tissues and organs. Pathology examples will be used to explain the cellular and molecular basis of normal function related to structure. 2 Lec/4 Lab.

BIO 547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 342 (grade of C or better) or BIO 348 (grade of C or better); or departmental approval. 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.

Prerequisites: BIO 111 (grade of C or better) and 112 (grade of C or better); or departmental approval. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

BIO 552 Hormones and Behavior (3) A.

Prerequisites: BIO 111 (grade of C or better) and 112

(grade of C or better); or departmental approval. Provide an understanding of modern-day issues in endocrinology by exploring the effects of hormones on behavior within all taxa.

BIO 553 Mammalogy. (3) A. Prerequisites: BIO 111 (grade of C or better) and 112 (grade of C or better); or departmental approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab. Requires participation in an extended field trip outside of normal class hours.

BIO 554 Ornithology. (3) A. Prerequisite: BIO 111 (grade of C or better) and 112 (grade of C or better) 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 (grade of C or better) or departmental 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 112 (grade of C or better) and 319 (grade of C or better) or departmental 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 112 (grade of C or better) and 319 (grade of C or better) or departmental approval. 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 (grade of C or better) or departmental 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.

Prerequisites: BIO 112 (grade of C or better) and 316 (grade of C or better); or departmental approval. 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 590 Ecology for Teachers (3) I. Cross-listed as ENV 590. Prerequisite: Senior Standing; BIO 100 (grade of C or better), 102 (grade of C or better), or 112 (grade of C or better). This course introduces ecology and the environment through an interdisciplinary approach beginning with the physical environment progressing to whole ecosystems and onto analyses of ecological sustainability. Classroom strategies and techniques will be modeled. Credit will not be awarded to students who have credit for ENV 590 or CNM 599.

BIO 595 Topics in Field Biology: _____. (3). Prerequisites: Senior standing, BIO 318 (grade of C or better) or 319 (grade of C or better), and departmental approval. Concepts, methods, analyses, and organismal identification used to study selected topic. Material will be taught using a combination of lecture, discussion, and experiential learning via hands-on field activities. May be repeated up to a maximum of 12 hours provided subject matter is different each time. 1 Lec/ 4 Lab.

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 six hours.

BIO 599 Topics in Biological Sciences: _____.

(1-6) A. Prerequisites: Senior standing, BIO 111 (grade of C or better), 112 (grade of C or better), and departmental approval. Special topics in the biological sciences of current interest to faculty and students may be presented through lecture, discussion, lab and field experiences, and reports. May be retaken to a maximum of nineteen hours provided subject matter differs each time.

BTO—Business and Technology Orientation
Dr. Tom Erekson, Dean

BTO 100 Student Success Seminar. (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. (1 Lec/1 Lab for School of Business Majors Only.)

BTS—Business and Technology Seminar
Dr. Tom Erekson, Dean

BTS 300 Professional Skills Seminar. (0) I,

II. Required of all Business and Technology students who have earned at least 60 hours. Credit (CR) will be given when students have attended and/or completed department-sponsored activities regarding professional skills and careers.

BTS 400 College to Careers Seminar. (0)

II. Prerequisite: AGR 305 or BTS 300. Required of all Business and Technology students who have earned at least 90 hours. Credit (CR) will be given when students have attended the annual College of Business and Technology's Student Success: College to Careers Conference.

CAEL—Council for Adult and Experiential Learning

CAEL 100 Prior Learning Theory & Practice (3) A.

Prerequisites ENG 102(C) or ENG 105(B) or HON 102 or approval of chair of student's major. Course start and end dates and drop deadlines are different than other EKU courses. Students will have a small window in which they may drop, but cannot withdraw from this course. Course drop dates will be published on the CAEL 100 website. Students are responsible for reading the course policies on the credit-for-prior learning website. Course helps students identify prior learning that may be appropriate for college credits. Guides students through the preparation and compilation of all components required for evaluation of a portfolio of prior learning through LearningCounts.Org. Graded CR (Credit) or NC (No-Credit) basis.

CAS—Letters, Arts, & Social Sciences
Interdisciplinary

CAS 349 Applied Learning (.5-8) A.

Prerequisite: 2.0 GPA and college approval. Work under field supervisors in placement related to academic studies. Minimum 80 hours work for each credit hour. Repeatable up to 16 credit hours.

CAS 349 A-N Cooperative Study (.5-8)

A. Prerequisite: 2.0 GPA and college approval. Work under field supervisors in placement related to academic studies. Minimum 80 hours work for each credit hour. Repeatable up to 16 credit hours.

CCT—Corporate Communication and Technology
Dr. Weiling Zhuang, Interim Chair

CCT 201 Professional Communication. (3) I,

II. Prerequisites: ENG 101 and 102 (or 105). Principles and practices of modern professional communication; various types of professional letters and reports are studied; emphasis on writing letters and reports.

CCT 270 Entrepreneurship. (3) I, II. Formerly

CCT 101 A survey of entrepreneurship in the global economy. The processes of innovation, idea generation, and evaluation. Analysis for creating and launching a new business, based on the economic environment and types of business ownership.

CCT 300W Managerial Reports. (3) I, II.
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. A writing intensive study of 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. Prerequisite: CCT 200 or 250 or CIS 212 (with a minimum grade of "C"). Development of business document design techniques using Windows and desktop publishing.

CCT 304S Applied Entrepreneurship and Service Learning. (3) A. Prerequisite: CCT 270 (with a minimum grade of "C"). Provides entrepreneurship opportunities for students to apply skills and knowledge for integration of new business development, aid to existing businesses, and service learning strategies for the ECU region.

CCT 310 International Business Communication. (3) A. Prerequisites: ENG 101 and 102 (or 105) (with a minimum grade of "C" in each prerequisite course). 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 349 Applied Learning in Corporate Communication and Technology. (5-8) A.
Prerequisites: minimum GPA of 2.25 and 30 hours for associate degree, 60 hours for baccalaureate degree. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. Three hours required in Office Systems Technology. Three hours may be used as an upper division business elective in the undergraduate program. May be repeated up to 8 credit hours for the associate degree and 16 credit hours for undergraduate program.

CCT 349 A-N Cooperative Study: Corporate Communication and Technology. (5-8) A. Prerequisites: minimum GPA of 2.25 and 30 hours for associate degree, 60 hours for baccalaureate degree. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. Three hours required in Office Systems Technology. Three hours may be used as an upper division business elective in the undergraduate program. May be repeated up to 8 credit hours for the associate degree and 16 credit hours for undergraduate program.

CCT 520 Corporate Training. (3) A. 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 Integrated Corporate Communication. (3) A. Prerequisite: senior or graduate standing. Examines effective integrated communication skills to achieve organizational objectives. Emphasizes analysis and application of communication process and strategies for managerial decision-making. Examines change process, corporate culture, and negotiation issues. Provides corporate training component.

CCT 570 Web Design for Offices. (3) A.
Prerequisites: CCT 250 or CIS 212 or INF 104 (with a minimum grade of "C" in each prerequisite course).

Advanced development of business document design techniques with an emphasis on web design and multimedia resources. Geared for education, small offices or businesses, personal use, and not-for-profit organizations.

CDF—Child and Family Studies
Dr. Dana Bush, Chair

CDF 132 Introduction to the Family. (3) I, II. Cross-listed as WGS 132. Ecological and systems approach applied to public and private family concepts; historical changes and current status; relationships among individuals, families, consumers, and communities; status of women, men, children and the elderly; public policy related to changes in the family. Credit will not be awarded for both CDF 132 and WGS 132.

CDF 203 Philosophical & Historical Foundations of the EC Profession (3) I, II. Corequisite CED 100. An orientation to the profession: Exploration of the qualities, expectations, & responsibilities of an EC professional. Relationships among early learning standards, history of the profession, interdisciplinary fields, professional organizations, & philosophical approaches. Background check College approved procedure must be ordered and paid for by the first day of class. Credit will not be awarded for both CDF 203 and EDF 203.

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. Cross-listed as WGS 232. 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 WGS 232. Gen. Ed. E-6 [GE].

CDF 235 Child Development: Conception-Eight Years. (3) I, II. Developmental characteristics and theory pertinent to children conception to age eight. Special emphasis on early childhood theoretical frameworks.

CDF 236 Interaction and Guidance. (3) I, II. Overview of guidance strategies in fostering children's social competency within group or individually. Adults' role in various interactions (e.g. parent-child, teacher-child) and resources for working with families/parents (e.g. parent education workshop) will be explored.

CDF 243 Introduction to Family Life Programs. (3) A. Prerequisite or Corequisite: CDF 132. Examination of programs which focus on forming partnerships with families through the public, private, and nonprofit sectors to support family and individual well-being. Career development and opportunities explored.

CDF 246 Creative Activities and Materials for Young Children. (3) I, II. Prerequisite: CDF 235 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 for the individual child based on age, ability, culture and ethnicity.

CDF 310 Observation and Assessment in ECE. (3) I, II. Prerequisite: CDF 235. Authentic assessment approaches through observation of children in natural environments. Intentional planning and implementation of Developmentally Appropriate Practice in EC settings. Special emphasis on linking assessment to the EC curriculum.

CDF 327S Family Involvement with Young Children. (3) I, II. Prerequisites: CDF 235 or CDF 241 and 244, 236, and 246 or CDF 345 or departmental approval. Study of effective relationships with families. Methods and materials useful in fostering family life education, including adult learning principles. Experiences include implementing family service plans, planning discussion groups, conducting home visits, and

parent-teacher conferences. Includes 15 service learning hours.

CDF 331 Marriage and Intimate Relationships. (3) I. Cross-listed as WGS 331. 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. Credit will not be awarded for both CDF 331 and WGS 331.

CDF 342 Child and Adolescent Development. (3) II. Study of U.S. youth, utilizing systems theory and a life-course perspective approach. Effects of economic, social, and technological change on policies and programs affecting youth of diverse backgrounds.

CDF 349 A-N Cooperative Study: Child Development. (5-8) 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 351 Practicum for Early Childhood Practitioners. (3) A. Prerequisites: department approval, 2.5 institutional 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 363 Early Childhood Literacy (3) I, II.
Prerequisite: Admission to Child & Family Studies or department approval. An exploration of the emergent literacy development of young children within the language-rich context of play. Emphasis on state and national language arts standards, 2nd language learners, literacy assessment, resources for literacy instruction. Course material presented within theoretical context.

CDF 399 Early Childhood Practicum. (3-6) III. Prerequisites: Admission to Child and Family Studies or departmental approval. Supervised practicum experience in programs serving young children & families. Focus on organizations at the public, private and non-profit sectors. Open to B.S. child development students only. Minimum of 160 hours of field experience.

CDF 405 Program Planning for Infants and Toddlers. (3) I, II. Formerly CDF 344. Prerequisite: Admission to Child and Family Studies or department approval. Planning, implementation, and evaluation of developmentally and culturally appropriate environments for infants and toddlers. Emphasis is placed on the caregiver-infant relationship, intentional teaching and curriculum/program assessment, laboratory and field experiences, and environmental adaptations for special needs.

CDF 406 Program Planning for Preschool Children. (3) I, II. Prerequisites: Admission to Child and Family Studies or department approval. Planning, implementation, and evaluation of developmentally and culturally appropriate environment for preschool children. Emphasis on intentional teaching, curriculum/program assessment, inquiry learning, documentation, project work, collaborative work with families/colleagues/community, and various programs (e.g. Montessori, Head Start, HighScope).

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 Stress and Resilience. (3) I, II. 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 stress and resilience are studied.

CDF 441 Family Dynamics in 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. (9) A. Prerequisites: CDF 132, 243, and 247 or 327 or 327S; 3.0 GPA in major, and minimum of "C" in all courses with a CDF prefix; senior standing. Supervised practicum experience in family life education, family resources and community-based programs serving individuals and families in the public, private, and nonprofit sectors.

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 450 Early Childhood Practicum. (9) I, II. Prerequisites: CDF 247 or 327 or 327S, 248 or 343 or 406 or 246 or 345, 3.0 GPA in major requirements, 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 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 501 Prenatal and Infant Development. (3) I, II, A. Growth and development from conception to three years. In-depth study of theories and issues related to development during the first three years and before birth. Impact of family, education, and community will be explored.

CDF 538 Research Analysis in Child and Family Studies. (3) I. Prerequisites: CDF 235 and six hours in CDF; or department approval. Students will acquire the skills required to read and evaluate professional research literature in child and family studies by examining current studies. Students will also compare and contrast the treatment of current issues in their field in both popular and professional writing.

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. Corequisite: CED 450. 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 547 Organization and Administration of Early Childhood Programs. (3) I. Prerequisites: CDF 327 or 247, 343, or 406 or 248, and 344 or 405 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 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.

CDS—Communication Disorders and Sciences Dr. Karen Maloley, Chair

CDS 090 Speech-Language Laboratory. (3) A. 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.

CDS 250 Phonetics. (3) I. Prerequisite: admission to CDS 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.

CDS 273 Observation in Communication Disorders. (1) II. Prerequisite: admission to CDS program. Supervised clinical observation of therapy and/or diagnostic services for individuals with communication disorders. Instruction in report writing and observing in various settings. Students must complete 25 clock hours of observation by the end of this semester.

CDS 275 Introduction to Communication Disorders. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders and sciences.

CDS 285 Anatomy and Physiology of Speech and Hearing Mechanism. (3) I. Prerequisite: admission to CDS program. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonance, and articulation.

CDS 360 Normal Speech and Language Development. (3) II. Normal speech and language acquisition from birth through the developmental years; basic linguistic concepts and theories; language differences.

CDS 365 Language Disorders: Assessment. (3) I. Prerequisite: admission to the CDS program. Prerequisite/Corequisite: CDS 360. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

CDS 372 Methods and Materials in Communication Disorders. (3) II. Prerequisite: admission to the CDS program. Overview of scope of practice and credentials for service delivery; 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.

CDS 373 Articulation and Phonology Disorders. (3) II. Prerequisite: admission to the CDS program. Characteristics of articulation and phonological problems. Principles of identification and treatment.

CDS 374 Practicum in Speech Pathology. (3) I. Prerequisites: 25 hours of observation in communication disorders and sciences, CDS 372 and 373, and overall 3.0 GPA, or Clinic Director approval. Supervised clinical practicum in communication disorders services. May be retaken to a maximum of six credit hours.

CDS 380 Introduction to Clinical Audiology. (3) I. Prerequisite: admission to CDS program. Physics of sound, anatomy & physiology of hearing, auditory pathologies, and introduction of basic audiological assessment.

CDS 464 Language Disorders: Intervention. (3) II. Prerequisites: CDS 360 and 365. Study of language impairment in children and principles for remediation.

CDS 465 Disorders of Fluency. (3) I.

Prerequisite: admission to the CDS program. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children.

CDS 474 Advanced Practicum in Speech Pathology. (3) II. Prerequisites: Overall 3.0 GPA and CDS 374, or Clinic Director approval. Advanced supervised clinical practice in communication disorders services. May be retaken to a maximum of six credit hours.

CDS 475 Voice Disorders. (3) I. Prerequisite: admission to the CDS program. Lectures and selected readings in etiological perspectives of functional and organic voice disorders; assessment, classification, and treatment designs for vocal pathologies in children.

CDS 485 Audiologic Evaluation. (3) II. Prerequisite: CDS 380. Fundamentals of audiometric assessment, immittance measurement, and electrophysiology via lecture and integrated lab simulations. Techniques for audiometric data collection, interpretation, and reporting. Lec/Lab.

CDS 487 Aural Rehabilitation. (3) I. Prerequisite: CDS 380 or departmental approval. Fundamentals of aural habilitation/rehabilitation in the form of amplification (hearing aids, cochlear implants, assistive listening devices), speech reading, auditory-visual-kinesthetic perception, pediatric rehab techniques, educational management, counseling.

CDS 488 Practicum in Audiology. (1) I, II. Prerequisites: Overall 3.0 GPA or Clinic Director approval. Supervised clinical practice in audiology. May be retaken to a maximum of two credit hours.

CDS 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.

CDS 525 Literate Language. (3) I. Prerequisites: CDS 360, CDS 365, and CDS 464 or departmental approval. Study of language disorders in children and principles for remediation in written language.

CDS 530 Therapeutic Relationships in Special Education. (3) II. Prerequisite: Admission to CD program or departmental approval. Overview of therapeutic relationship between individuals with disabilities, their families, and professionals. Emphasis on empathetic listening, interviewing skills, and change process.

CDS 541 School Services in Communication Disorders. (3) II. Prerequisites: Overall 3.0 GPA, and admission to CDS program; or departmental approval. Organization and management of speech-language therapy services in the schools. Lec/Lab.

CDS 571 Neural Bases of Communication. (3) I. Prerequisites: admission to the CDS program or instructor approval. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders. Credit will not be awarded for both CDS 571W and CDS 571.

CDS 571W Neural Bases of Communication. (3) A. Prerequisites: admission to the CDS program or instructor approval and ENG 102 or ENG 105(B) or HON 102. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders. Credit will not be awarded for both CDS 571W and CDS 571.

CDS 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.

CED — Clinical Education Dr. Laurence Hayes, Associate Dean

CED 100 Clinical I: Introduction to the Education Profession. (0) I, II. Corequisites: EDF 203. Guided laboratory-based experiences emphasizing the identification and assessment of the

roles and responsibilities of teachers and other education professionals and components of the education system. (laboratory/school-based clinical experience – a minimum of 10 hours is required; additional hours may be required based upon candidate performance).

CED 150 Clinical Transition: Education Profession. (5) I, II. Corequisite: EDF 310. Guided laboratory-based experiences emphasizing the education profession. (laboratory-based clinical experience – a minimum of 10 hours is required; additional hours may be required based upon candidate performance).

CED 200 Clinical II: Understanding the Learner. (0) I, II. Prerequisites: CED 100 and EDF 203(C); or CED 150 (grade of B or higher). Corequisites: EDF 219; or EDF 320 for CTE majors; or CDF 235 for IECE majors. Guided laboratory-based experiences emphasizing the assessment and analysis of student learning and engagement and the school environment from varied learning theory perspectives. (laboratory-based clinical experience – a minimum of 10 hours is required; additional hours may be required based upon candidate performance). Must earn a grade of Satisfactory for Admission to Professional Education.

CED 300 Clinical III: Curriculum and Instructional Design. (5) I, II. Prerequisites: CED 200 (grade of B or higher) and Admission to Professional Education or Dean approval. Corequisite: EMS 300. Guided school-embedded experiences that emphasize impacting student growth through well-planned and aligned instructional units and lessons. (school-embedded clinical experience – a minimum of 50 hours is required; additional hours may be required based upon candidate performance). Must earn B or higher for Professional Education.

CED 375 Clinical V: Practicing Teaching. (1) I, II. Prerequisite: Admission to Professional Education or Dean approval. Corequisite: CED 450. Supervised, sustained practice teaching experiences in an assigned instructional setting. Experiences include individual, small group and whole class teaching opportunities. (school-embedded clinical experience – a minimum of 40 hours is required; additional hours may be required based upon candidate performance).

CED 400 Clinical IV: Diagnosis and Prescription. (5) I, II. Prerequisites: CED 300 (grade of B or higher) and Admission to Professional Education or Dean approval. Corequisites: EDF 413 and EMS 490; or SED 352 and SED 590 for IECE majors. Guided school-embedded experiences emphasizing the development, implementation, interpretation and reporting of a variety of assessment tools for learners, the classroom and school environment and the subsequent design of instruction. (school-embedded clinical experience – a minimum of 50 hours is required; additional hours may be required based upon candidate performance). Must earn B or higher for Professional Education.

CED 450 Clinical V: Practicing Teaching. (1) I, II. Prerequisites: CED 400 (grade of B or higher) and Admission to Professional Education or Dean approval. Corequisite: ELE 446 or ELE 446W, or EMG 447, or ESE 540, 543, 549, 552, 553, 561, 566, 573, 579, 587, or 550; or SED 436 for IECE majors. Supervised, sustained practice teaching experiences in an assigned instructional setting. Experiences include individual, small group and whole class teaching opportunities. (school-embedded clinical experience – a minimum of 80 hours is required; additional hours may be required based upon candidate performance). Must earn B or higher for Professional Education.

CED 499 Clinical VI: The Professional Semester. (3-12) I, II. Prerequisite CED 450 (grade of B or higher) and Admission to the Professional Semester. Full-time assignment in an accredited school to observe, participate, and teach in classroom settings with special emphasis on the impact of instruction on student learning. (school-embedded clinical experience – a minimum of 70 days is required).

CED 499I Clinical VI: The Professional Semester - International. (1-12) I, II. Prerequisite: CED 450 and Admission to the Professional Semester, and application to student teach abroad with committee

recommendation to the College of Education Dean for approval. Must successfully complete all pre-student teaching abroad seminars and requirements. Must demonstrate above average knowledge, skills and dispositions of a professional teacher prior to CED 499I. Overall ECU GPA must be 3.0 or above. Part-time assignment for four weeks in an ECU approved international school to observe, participate, and teach in classroom settings with special emphasis on the impact of instruction on student learning (school-embedded clinical experience – a minimum of 70 total days is required – will be a combination of CED 499 and 499I).

CHE—Chemistry Dr. Darrin Smith, Chair

CHE 100 Inquiry Chemistry for Middle School Teachers. (3) A. Prerequisite: completion of all developmental requirements; pre-teaching or teaching middle school education majors only. Activity-oriented chemistry; elements, molecules, solutions, acids and bases, reactions, energy and environmental topics. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

CHE 101 Introductory Chemistry I (3) I, II. Prerequisite: completion of all developmental requirements. Prerequisite or Corequisite: CHE 101L and MAT 098 or higher. For students who plan to take no more than one year of chemistry. Basic principles of structure and properties of matter, chemical nomenclature and reactivity. Relates chemistry concepts to everyday life phenomena. A withdrawal from CHE 101 must be matched by a withdrawal from CHE 101L. Gen. Ed. E-4 with CHE 101L [NS].

CHE 101L Introductory Chemistry Lab I. (1) I, II. Prerequisite: completion of all developmental requirements. Prerequisite or Corequisite: CHE 101 and MAT 098 or higher. Laboratory component of CHE 101. Basic laboratory techniques, methods of separation, types of chemical reactions, solution preparation, titrations, household chemicals, molecular modeling. 2 Lab. Credit will not be awarded for both CHE 101L and CHE 107. Gen. Ed. E-4 with CHE 101 [NS].

CHE 102 Introductory Chemistry II. (3) I, II. Prerequisite: CHE 101 and 101L, or CHE 111 and 111L. Corequisite: CHE 102L. Continuation of CHE 101. A survey of the classes of organic molecules including their common uses and physical and chemical properties. In addition, an introductory look at the structure and function of biological macromolecules. Withdrawal from CHE 102 must be matched by a withdrawal from CHE 102L.

CHE 102L Introductory Chemistry Lab II. (1) I, II. Prerequisite: CHE 101 and 101L, or CHE 111 and 111L. Corequisite: CHE 102. Lab component of CHE 102. Perform basic organic reactions and laboratory procedures including melting point, distillation, and recrystallization. 2 Lab.

CHE 104 Inquiry Physical Science for Elementary Teachers (3) I, II. Cross-listed with PHY 104. Prerequisite: Elementary education majors only, sophomore standing, and MAT 112 or higher. An activity-oriented conceptual course in the physical sciences. Topics include the structure and properties of matter, heat and temperature, forces, motion, magnets, energy, and sound waves. Credit will not be awarded to students who have credit for PHY 104. 2 Lec/2 Lab.

CHE 105 Chemistry for the Health Sciences. (3) I, II. Prerequisite: completion of all developmental requirements. Prerequisite or Corequisite: CHE 105L. An introductory course for students in allied health. Principles of bonding, structure, and reactivity related to biological processes. A withdrawal from CHE 105 must be matched by a withdrawal from CHE 105L. Gen. Ed. E-4 with CHE 105L [NS].

CHE 105L Health Science Chemistry Lab. (1) I, II. Prerequisite: completion of all developmental requirements. Prerequisite or Corequisite: CHE 105. Laboratory component of CHE 105. Laboratory experiments that demonstrate chemical concepts and laboratory techniques related to the health science profession. 2 Lab. Gen. Ed. E-4 with CHE 105 [NS].

CHE 110 General Chemistry Preparation. (3) A. Prerequisite or Corequisite: MAT 098 or MAT 110. Prepares students for further studies in general chemistry. Topics will include introduction to matter, chemical formulas and reactions, bonding and molecules, chemical calculations, the periodic table.

CHE 111 General Chemistry I. (3) I, II. Prerequisite or Corequisite: CHE 111L and ACT math score of 22+ or SAT math score of 530+ or MAT 112 (C or better) or 114 (C or better) or CHE 110 (C or better) or departmental approval. Principles of atomic and molecular structure and reactivity, stoichiometry, states of matter. Prepares students for further studies in chemistry. One year of high school chemistry is recommended. Cannot be taken concurrent with CHE 110 (prerequisite only). A withdrawal from CHE 111 must be matched by a withdrawal from CHE 111L. Gen. Ed. E-4 with CHE 111L [NS].

CHE 111L General Chemistry Lab I. (1) I, II. Prerequisite or Corequisite: CHE 111. Laboratory component of CHE 111. Basic laboratory techniques, methods of separation, types of chemical reactions, solution preparation and standardization, titrations, molecular modeling, qualitative analysis, gases, virtual labs on computer. 3 Lab. Gen. Ed. E-4 with CHE 111 [NS].

CHE 112 General Chemistry II. (3) I, II. Prerequisite: CHE 111 and 111L (C or better). Prerequisite or Corequisite: CHE 112L or CHE 112HL (C or better). Continuation of CHE 111. Kinetics and equilibrium, solution chemistry, energy changes in chemical reactions, descriptive inorganic chemistry. Prepares students for further studies in chemistry. A withdrawal from CHE 112 must be matched by a withdrawal from CHE 112L or CHE 112HL.

CHE 112L General Chemistry Lab II. (1) I, II. Prerequisites: CHE 111 and 111L (C or better). Prerequisite or Corequisite: CHE 112 (C or better). Laboratory component of CHE 112. Kinetics, equilibrium, UV-VIS spectroscopy, introductory qualitative and quantitative analysis, electrochemistry, virtual labs on computer. 3 Lab.

CHE 200 Volunteering in Chemistry. (0) A. An exposure to chemistry outreach activities, including, but not limited to exploring chemical research projects, organizing chemistry community service, and assisting other chemistry departmental events. Students can choose the focus of the volunteering in each semester. Passing grade achieved for attending 80% of the designated activities in each semester.

CHE 261 Organic Chemistry Preparation. (3) A. Prepares students for further studies in organic chemistry. This course will emphasize fundamental concepts and help students develop a productive mindset for studying Organic Chemistry.

CHE 325 Analytical Chemistry. (3) A. Prerequisite: CHE 112 and 112L (C or better). Prerequisite or Corequisite: CHE 325L. Introduces chemical analysis (with statistical evaluations) focusing on the principles of stoichiometry, chemical equilibrium, titrimetric and spectrophotometric analysis, potentiometry, and analytical separation processes. A withdrawal from CHE 325 must be matched by a withdrawal from CHE 325L.

CHE 325L Analytical Chemistry Lab. (2) A. Prerequisite: CHE 112 and 112L (C or better).

Prerequisite or Corequisite: CHE 325. Lab component of CHE 325. Lab course designed to introduce the principles of wet chemical techniques and basic instrumental analysis through experimentation. 4 Lab.

CHE 349 Applied Learning in Chemistry. (5-8) 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. May not be used to satisfy area, major or minor requirements.

CHE 349 A-N Cooperative Study: Chemistry. (5-8) 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. May not be used to satisfy area, major or minor requirements.

CHE 361 Organic Chemistry I. (3) I, II. Prerequisite: CHE 112 and 112L (C or above). Prerequisite or Corequisite: CHE 361L. 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 361L.

CHE 361L Organic Chemistry Lab I. (1) I, II. Prerequisite or Corequisite: CHE 361. Laboratory component of CHE 361. Experimental work to illustrate principles of organic chemistry. Basic techniques including separation and spectroscopic methods; and selected syntheses. 3 Lab.

CHE 362 Organic Chemistry II. (3) I, II. Prerequisites: CHE 361 and CHE 361L (C or above). Prerequisite or Corequisite: CHE 362L. 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 362L.

CHE 362L Organic Chemistry Lab II. (1) I, II. Prerequisites: CHE 361 and 361L (C or better). Prerequisite or Corequisite: CHE 362. Laboratory component of CHE 362. Experimental work to illustrate principles of organic chemistry. Selected chemical syntheses and advanced techniques such as separation and spectroscopic methods. 3 Lab.

CHE 385W Chemical Literature (3) A. Prerequisites: CHE 112(C) and ENG 102, 105(B), or HON 102. Course introduces chemical literature searching, and methods for disseminating chemical data. At the end of this course students will be able to demonstrate the skill to create effective and appropriate styled chemical reports and presentations. Credit will not be awarded to students who have credit for CHE 385.

CHE 411 Practicum (1-3) A. Prerequisite: departmental approval. Students will gain specific experiences through participation in planning, teaching, analysis, and/or required maintenance in a designated undergraduate chemistry course. Formal project assigned by a faculty mentor. May be retaken for a maximum of three hours. 3-9 Lab.

CHE 425 Instrumental Analysis (3) A. Cross-listed as FOR 411. Prerequisites: CHE 325, 325L, 362, 362L; PHY 132 (or 202); MAT 234 (C or better in each course). Prerequisite or Corequisite: CHE 425L. Fundamental principles of the operation and application of analytical instrumentation including spectroscopy, chromatography, electrochemistry, and mass spectrometry found throughout industrial, government, forensic, and/or research environments are presented. Credit will not be awarded to those who have received credit for FOR 411 or CHE 525. 3 Lec.

CHE 425L Instrumental Analysis Lab. (1) A. Prerequisite or Corequisite: CHE 385 and CHE 425. Lab component of CHE 425. Lab course designed to provide hands-on experience with modern chemical instrumentation for qualitative and quantitative measurements found throughout industrial, government, and/or research environments. Credit will not be awarded for both CHE 425L and FOR 411L. 3 Lab.

CHE 430 Biochemistry of Macromolecules. (3) A. Prerequisites: CHE 362 and 362L. 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. Credit will not be awarded for both CHE 430 and CHE 530.

CHE 431 Metabolic Biochemistry. (3) A. Prerequisites: CHE 362, 362L and 430. Continuation of CHE 430. Chemistry, catabolism, and biosynthesis of carbohydrates, lipids, amino acids, and nucleotides; mechanisms of metabolic control. Credit will not be awarded for both CHE 431 and CHE 531.

CHE 432 Biochemistry Laboratory. (1) A. Prerequisite or Corequisite: CHE 430 or 431 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. Credit will not be awarded for both CHE 432 and CHE 532.

CHE 450 Inorganic Chemistry. (3) I. Prerequisite: CHE 362 and MAT 234 (C or better). Principles of inorganic chemistry with emphasis on symmetry, chemical bonding, including atomic and molecular orbital theory, and reactivity. Application of these principles to acid-base, coordination, organometallic, bioinorganic and materials chemistry are included. Credit will not be awarded for both CHE 450 and CHE 550.

CHE 484 Chemistry Colloquium (1) I, II. Prerequisites: CHE 325 and 362. Lectures and presentations of chemical information by local or visiting scholars currently involved in chemical research. One weekly meeting. Cannot be taken concurrent with CHE 485. May be retaken for a maximum of two hours.

CHE 485 Chemistry Seminar. (1) I, II. Prerequisite: CHE 362(C) and 385(C). Presentation of specific chemical research from recent literature and/or performed experimentation to members of the chemistry faculty and departmental majors. One weekly meeting. Cannot be taken concurrent with CHE 484. Credit will not be awarded for both CHE 481 and 485.

CHE 495A Independent Chemical Research. (1) A. Prerequisite: CHE 112 and departmental approval. An introduction to research in all fields of chemistry. Literature-based assigned research project with a faculty mentor that will require a formal research report. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty mentor and departmental chair prior to enrollment. 3 Lab. Credit will not be awarded for both CHE 495 and 495A.

CHE 495B Chemistry Laboratory Independent Research: (1-3) A. 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. Credit will not be awarded for both CHE 495 and 495B.

CHE 501 A-E Chemtopics: _____. (1-3) A. Prerequisite: departmental approval. Topics to be chosen from current and/or specialized area of chemistry based on interests and/or need: A: Analytical, B: Biochemistry, C: Inorganic, D: Organic, or E: Physical. May be retaken to a maximum of six hours.

CHE 501L Chemtopics Lab: _____. (1) A. Prerequisite: departmental approval. Laboratory experiences chosen from specialized areas of chemistry including advanced chemical instrumentation / analysis, synthetic methods, computational chemistry, or molecular modeling. Topics vary according to student needs. May be retaken to a maximum of two hours. 3 Lab.

CHE 515 Synthetic & Analytical Methods. (5) A. Prerequisites: CHE 362, 362L, 425 (or FOR 411), 425L (or FOR 411L) (C or better in each course). Prerequisite or Corequisite: CHE 450 (C or better). Synthesis, isolation, purification, and characterization (including spectroscopy and other analytical methods) of inorganic and organic compounds and mixtures. Other methods include handling of air and moisture sensitive compounds and molecular computations. 3 Lec/6 Lab.

CHE 520 Mass Spectrometry. (3) A. Cross-listed with FOR 475. Prerequisite: CHE 362. Topics include types of mass spectrometers; qualitative and quantitative mass spectrometry, different ionization processes, sample inlet systems (including chromatography systems), and interpretation of mass spectral data. Credit will not be awarded for both CHE 520 and FOR 475.

CHE 570 Biophysical Chemistry I. (4) I, II. Prerequisite: CHE 361 (C or better), BIO 111 or higher (C or better), and either MAT 234 or MAT 261. Prerequisite or Corequisite: PHY 131 or 201. An introduction to physical and chemical explanations of biological phenomenon and physical chemistry theories and methodologies applied on biological systems. Topics

include thermodynamics, chemical equilibrium, kinetics, quantum chemistry, spectroscopy, and selected topics. 6 Lec / Lab / Rec. Credit will not be awarded for both CHE 570 and CHE 770. Credit will not be awarded for both CHE 570 and CHE 470.

CHE 574 Physical Chemistry I. (3) A. Prerequisite: CHE 361 (C or better). Prerequisites or Corequisites: CHE 574L and MAT 244 and PHY 131 or 201 (C or better in each course). A study of thermodynamic properties in physical and chemical systems; electrochemical processes; rates and mechanisms of chemical reactions. Credit will not be awarded for both CHE 574 and CHE 471.

CHE 574L Physical Chemistry Lab I. (1) A. Prerequisite: CHE 325 and 325L (C or better in each course). Prerequisites or Corequisites: CHE 574 and CHE 385 (C or better in each course). Laboratory component of CHE 574. Experimental work to illustrate principles of physical chemistry that include thermochemistry, thermodynamics, equilibrium, and reaction kinetics. 3 Lab.

CHE 575 Physical Chemistry II. (3) A. Prerequisite: CHE 361 (C or better). Prerequisite or Corequisite: CHE 575L and MAT 254 and PHY 132 or 202 (C or better in each course). An introduction to quantum mechanics as applied to model, atomic, and molecular systems; applications of atomic and molecular spectroscopy; introduction to computational chemistry. Credit will not be awarded for both CHE 575 and CHE 472.

CHE 575L Physical Chemistry Lab II. (1) A. Prerequisite: CHE 325 and 325L (C or better in each course). Prerequisites or Corequisites: CHE 575 and CHE 385 (C or better in each course). Laboratory component of CHE 575. Experimental work to illustrate principles of physical chemistry including UV-visible, infrared, and fluorescence spectroscopic techniques, fundamentals of laser operation, statistical mechanics, and computational chemistry.

CHN—Chinese

CHN 101 Conversational Chinese I. (3) I, II. An introduction to the grammar and structure of Chinese taught in a cultural context. Practice in pronunciation, reading, and writing systems with an emphasis on conversation. Gen. Ed. E-6.

CHN 102 Conversational Chinese II. (3) I, II. Recommended: CHN 101 or equivalent proficiency with departmental approval. Continuation of CHN 101. Emphasis on conversation. Students entering CHN 102 by referral or placement will receive three hours credit for CHN 101 with an "A". Gen. Ed. E-6.

CHS—College of Health Sciences Dr. Sheila Pressley, Interim Dean

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 342 Understanding AIDS (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring AIDS (Acquired Immune Deficiency Syndrome).

CHS 349 Applied Learning in Health Sciences. (.5-8) 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-N Cooperative Study: Health Sciences. (.5-8) 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.

CIS 420 Special Topics for Health Professions. (1-2) A. Prerequisite: senior standing and/or departmental approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

CIS 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. Oliver Feltus, Chair

CIS 212 Introduction to Computer Information Systems. (3) I, II. Introduction to computer hardware and software systems, the Internet, HTML, and microcomputer applications including spreadsheets, word processing, database, presentation graphics, electronic mail, and Web browsing.

CIS 215 Introduction to Business Programming. (3) I, II. Prerequisite: CIS 212 or CIS 240 or INF 104 with a grade of “C” or better. Introductory computer programming course using an object-oriented programming language to solve business problems. This course will introduce: algorithm concepts and development; object-oriented programming methodologies; language syntax; graphical interface design and event based programming.

CIS 230 Business Applications of Microcomputers. (3) A. Prerequisite: CIS 212 or CIS 240 or INF 104 or equivalent with a grade of “C” or better. Advanced word processing, spreadsheets, database management, and presentation software.

CIS 240 Introduction to Web Information Systems. (3) I, II. Introduction to design and development of Web-based systems. Includes Internet and Web technology; Web development using design procedures, HTML, CSS, and XML; client-side scripting languages, and hands-on experience in web page authoring.

CIS 300 Management Information Systems. (3) I, II. Prerequisites: ACC 201, 202, CIS 212 or INF 104 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 320 Forensic Computing: Investigations (3) A. Prerequisite: CIS 212 or CIS 240 or INF 104 or TEC 161 with a grade of “C” or better and junior standing. Provide students with an understanding of digital forensics as used in corporate investigations and criminal/civil litigation. Students learn basic tools and techniques to properly initiate a computer forensics investigation, then acquire and analyze that evidence.

CIS 325 Forensic Computing: Acquisitions (3) A. Prerequisite: CIS 212 or CIS 240 or INF 104 or TEC 161 with a grade of “C” or better and junior standing. Students will experience and understand the portion of the digital investigation beginning with digital evidence acquisition, then analysis of the evidence, and finally reporting results – implementing various forensic hardware and software including write-blockers and Encase.

CIS 335 Data Base Management. (3) I, II. Prerequisites: Junior standing and CIS 240 or CIS 300 with a grade of “C” or better. Fundamental concepts of database processing; conceptual, logical, and physical design of databases; the use of SQL for data retrieval and relational database implementation; and data management for the enterprise.

CIS 340 Electronic Business Technologies and Tools. (3) II. Prerequisite: Junior standing and CIS 240 with a grade of “C” or better. The course provides an introduction to e-business infrastructure, tools, and the development of e-business applications with these tools. Topics include Web infrastructure; Web applications; HTML, XML; client-side and server-side scripting

languages.

CIS 349 Applied Learning in Computer Information Systems. (.5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. Three hours may be used as a major elective. May be repeated for a total of 16 credit hours.

CIS 349 A-N Cooperative Study: Computer Information Systems. (.5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. Three hours may be used as a major elective. May be repeated for a total of 16 credit hours.

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 Networks and Telecommunication. (3) A. Prerequisite: Junior standing and CIS 240 or NET 303 with a grade of “C” or better. The study of networking and telecommunications fundamentals including LANs, WANs, and the Internet. Data communication and telecommunication concepts, models, standards, and protocols are studied. Installation, configuration, and management of infrastructure technologies are practiced.

CIS 380 Information Systems Analysis and Design. (3) A. Prerequisite: Junior standing and (CIS 215 or 300 with a grade of “C” or better in each course). Systems development life cycle with the emphasis on analysis and design. Topics include requirements determination, logical design, physical design, and implementation planning; feasibility analysis; RAD, prototyping, and object-oriented modeling techniques; software package evaluation, acquisition, and integration.

CIS 400 Electronic Business Planning and Strategy. (3) I, II. Prerequisites: Junior standing and CIS 300 with a grade of “C” or better. 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 410 Project Management and Practice. (3) I. Prerequisites: Junior standing and (CIS 300 or CIS 240 or NET 303 with a grade of “C” or better in each course). This course presents the theory and practice of modern project management. The technical and behavioral aspects of project management and change management are applied with the context of an information systems project.

CIS 420 Forensic Computing: Network Analysis. (3) II. Prerequisites: Junior standing and CIS 212 or NET 303 with a grade of “C” or higher. This course provides students with an understanding of computer forensics, in the context of managing computer networking and wireless networks, as well as in the context of corporate investigations and business litigation. Students learn tools and techniques to investigate network logs, network traffic, and web sites to conduct a forensics investigation.

CIS 430 Business Data Mining I (3) A. Prerequisites: (CIS 212 or 240 or INF 104 or TEC 161) and (QMB 200 or ECO 220 or STA 215 or STA 270), all with a grade of C or better. Introduces the basic concepts and practical business applications of data mining. Topics include: data types, data patterns, data preprocessing, data cleaning, outlier analysis, features reduction, feature discretization, data integration, data mining process, model estimation, Bayesian inference, regression analysis, classification, and prediction.

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 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.

CMS—Communication Studies
Dr. Deborah T. Givens, Chair

CMS 100 Introduction to Human Communication. (3) I, II. 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. Gen. Ed. E-1C [OC].

CMS 200 Interpersonal Communication. (3) I, II. A theoretical and skills based approach to building communication competence in personal relationship development, maintenance, and dissolution.

CMS 205 Advocacy and Opposition. (3) I. The study of the techniques and principles of formal argumentative discourse. Emphasis on developing, presenting, and defending and opposing positions on controversial questions. Credit will not be awarded for both CMS 205 and 205W.

CMS 205W Advocacy and Opposition (3), I, II. Prerequisites: ENG 102, or ENG 105(B), or HON 102. The study of the techniques and principles of formal argumentative discourse. Emphasis on developing, presenting, defending, and opposing positions on controversial questions through intensive writing and oral communication. Credit will not be awarded for both CMS 205W and CMS 205.

CMS 210 Public Speaking. (3) I, II. 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. E-1C [OC].

CMS 220 Careers in Communication Studies (1-3) A. An exploration of career opportunities in communication studies. All students must take the class for one credit hour; students may elect to take the class for three credit hours, which involves onsite visits to organizations.

CMS 250 Interviewing. (3) I. 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) I, II. Prerequisites: CMS 205W and 210. An advanced speaking course, in which students organize and deliver business presentations, learn and practice professional electronic/telephonic communication protocols, and conduct business meetings.

CMS 305 Research Design in Communication Studies (3) I, II. Prerequisites: CMS 205W and MAT 105 or 106 or 107 or 108 or 109 or 124 or 124H or 211. An introduction to the techniques of experimental, survey, textual and ethnography research designs as each pertains to the study of human communication.

CMS 310 Team Building and Small Group Communication. (3) I, II. Prerequisites: CMS 200. Emphasis on the role of communication in the development of group norms, roles, leadership styles, problem-solving techniques and decision-making techniques in team building and small group interactions.

CMS 315 Communication Studies Practicum. (1-3) I, II. 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) A. Prerequisites: ENG 101, and 102. Study of contemporary research and theories of persuasion and social influence. Practice in the design, analysis, and implementation of persuasive messages.

CMS 325 Communication in Conflict Management. (3) I, II. Prerequisites: CMS 100 or departmental approval. 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 335 Advanced Public Speaking (3) I, II. Prerequisite: CMS 210 or departmental approval. An advanced study of the invention, organization, style, delivery, and audience adaption of various types of speeches.

CMS 349 Applied Learning in Communication Studies. (.5-8) 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.

CMS 349 A-N Cooperative Study: Communication Studies. (.5-8) 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.

CMS 350 Organizational Communication. (3) I. 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.

CMS 353 Health Communication. (3) A. Prerequisites: CMS 100 or 210. A survey of recent development in the field of health communication. Emphasis is on the role of interpersonal communication and family narrative in the health care setting, patient/provider interactions, and multicultural health awareness.

CMS 375 Intercultural Communication. (3) A. Prerequisites: CMS 200, 205 or 205W, and 210. 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 380 Communication and Recruitment. (3) A. Prerequisites: Departmental approval. This course is designed to provide students with both theory and methods in recruitment, using and improving their interpersonal communication and public speaking skills. The class will utilize extensive role-playing activities to develop these skills.

CMS 400 Communication and Gender. (3) A. Prerequisites: CMS 200, 205W or 205, and 210. 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 410 Human Communication Theory. (3) A. 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 420 Negotiation. (3) A. 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 435 Family Communication. (3) A. Prerequisite CMS 200. Survey of theoretical and research literature dealing with communication in the family context. Emphasis is on the role of communication in creating and maintaining healthy marriages and families.

CMS 445 Advanced Interpersonal Communication. (3) A. Prerequisite: CMS 200 and

CMS 205 or 205W. Analysis of theory and research in professional and personal communication. Topics include relationship messages, stages of interpersonal relationships, intimate dialogue, the dialogue of distance, maintaining relationships through dialogue, and developing effective communication in relationships.

CMS 450 Mediation. (3) A. Prerequisites: CMS 325 or departmental approval. 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 485S Communication Training and Development. (3) I, II. Prerequisite: CMS 200, 205W, 250, and 300. An introduction to the field of communication training and development for corporate, industrial, institutional, medical or educational settings. Students will practice training techniques in on-site situations. Credit will not be awarded to students who have credit for CMS 406 or 485.

CMS 490 Special Topics in Communication. (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 subject matter is different each time. Credit will not be awarded for both CMS 495 and CMS 490 Special Topics in Leadership.

CMS 495 Communication, Leadership and Change. (3) I, II. Prerequisites: CMS 200, 205W or 205, 250, and senior standing. Study of relationships between communication and leadership skills and organizational/societal change. Focus on leadership roles, theories, and qualities. Additional emphasis on career exploration and leadership.

CMS 499 Independent Study in Communication Studies. (1-6) I, II. 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.

COM—Communication Dr. Deborah T. Givens, Chair

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 325 Advertising Copy and Production. (3) I, II. Prerequisites: ENG 102 or ENG 105(B) or HON 102. 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. Credit will not be awarded for both COM 325 and 325S.

COM 325S Advertising Copy and Production. (3) I, II. Prerequisites: ENG 102 or ENG 105(B) or HON 102. Using a service-learning-based approach, students learn copywriting and production for electronic, print and other advertising media. Topics include advertising strategy and practice, motivation, appeals, visualization and layout, applied research and communication theory. Credit will not be awarded for both COM 325 and 325S.

COM 345 Literature and Film. (3) A. Cross-listed as ENG 345. Prerequisites: ENG 102 (or 105B) or HON 102. 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 for both COM 345 and ENG 345.

COM 349 Applied Learning in Multi-Media Studies. (.5-8) 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-N Cooperative Study: Multi-Media Studies. (.5-8) 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 390 Fund raising. (3) I, II. An overview of fund raising, 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 420 Mass Communications Research. (3) I, II. Prerequisite: PUB 380 with a grade of "C" or higher or departmental approval. Introduction to the research process, research approaches, basic statistics, and applied research in the field of mass communications.

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 for both COM 490 and MKT 426.

COM 599 Independent Study in Communication: _____ (1-3) A. Prerequisites: Completion of at least 90 hours; 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 three hours, providing additional study projects differ.

CON—Construction Management Dr. Scott Arias, Coordinator

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) 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. 2 Lec/2 Lab.

CON 221 Plane Surveying. (3) I, II. Prerequisite: MAT 120 with a minimum grade of "C". 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 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) I, II. Prerequisites: MAT 120 or 234 (4) with a minimum grade of “C”, and PHY 131 or 201. 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) I.

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) I, 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 321 Boundary Surveying. (3) I.

Prerequisite: CON 221. This course introduces students to the principles of boundary surveying and provides them with the basic knowledge and skill to practice boundary surveying under the supervision of a registered professional surveyor.

CON 322 Construction Structural Design.

(3) I, II. Prerequisites: CON 303 and MAT 211 or 234 (4) and 217(1-2). 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, II. Prerequisites:

CON 201, 202, and MAT 120 with a grade of “C”. A study of the materials and labor required in the construction of commercial projects. Experience is gained in reading drawings, calculating material 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 vertical and horizontal construction. Basic fundamentals of water supply, waste drainage, electrical circuits, and heat loss/gain calculations are studied. 2 Lec/2 Lab.

CON 325 Construction Estimating. (5) I,II.

Prerequisites: CON 201, 202; MAT 120 with a minimum grade of “C”; and TEC161. A study of estimating construction materials, equipment, labor, and costs, through reading drawings and calculating quantities and costs. Estimating software and cost databases are utilized to list work items in standardized format. 4 Lec/2 Lab.

CON 349 Applied Learning in Construction

Management. (.5-8) 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 EKU. Work under faculty and field supervisors in placements related to construction management.

CON 349 A-N Cooperative Study:

Construction Management. (.5-8) 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 EKU. Work under faculty and field supervisors in placements related to construction management.

CON 420 Engineering Economy. (3) I, II.

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.

CON 421 Construction Contracts. (3) I.

Prerequisite: CON 325. 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) I, II. Prerequisite: CON 323 and TEC 161. Construction projects of moderate complexity are divided by scope, then materials are quantified and costed. Cost databases are utilized for estimating labor, materials, equipment, and overhead. Emphasis is placed on the use of estimating software. 2 Lec/2 Lab.

CON 425 Project Organization and

Supervision. (3) II. Prerequisites: MGT 300 or MGT 301 or AEM 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) I, II. Prerequisites: ACC 201 or FIN 310 and CON 325. A study of the planning and control of construction activities and project costing. Topics include critical path method scheduling, metric based progress monitoring, cash flow analysis, and cost control. Standard scheduling software is used. 2 Lec/2 Lab.

CON 480 Construction Management

Graduate Preparation. (1-6) A. Prerequisite: Admission to MS program in Applied Engineering and Technology Management, Construction Management concentration, and departmental approval. A guided-study of construction management modules meant for graduate students who have an undergraduate degree in an unrelated field but who have a minimum of 3 years of verifiable construction experience.

CON 499 Construction Mgt. Capstone. (4)

II. Corequisites and/or prerequisites: CON 425, CON 426. A project-based capstone course in construction management for senior-level majors. This course will emphasize the integration of knowledge and skills acquired in previous undergraduate courses. 3 Lec/2 Lab.

COR—Correctional and Juvenile Justice Studies
Dr. Betsy Matthews, Coordinator

COR 201 Introduction to Corrections (3) A.

Introduction to historical, philosophical, and operational frameworks of US corrections. Debates the goals of punishment and explores institutional and community-based sentencing options.

COR 302 Living and Working in Prison (3)

A. Cross-listed as CRJ 302. Examines inmate subcultures and violence in prisons. Analyzes prison environment for correctional officers. Explores life behind bars/offender difficulties in reentering society. Credit will not be awarded to students who have credit for CON 301 or CRJ 302.

COR 303 The Offender in the Community (3)

A. Formerly CON 330. Cross-listed as CRJ 303. Explores impact offenders have on community. Examines formal correctional options and alternative methods of social control used to manage offenders in community. Credit will not be awarded to students who have credit for CON 330 or CRJ 303.

COR 311 The Juvenile Justice System. (3) A.

Cross-listed with CRJ 311. Examines the evolution of the juvenile justice system, police response to delinquency, and juvenile court’s roles in protecting the public and serving children. Credit will not be awarded for both COR 311 and CRJ 311.

COR 321 Delinquency Interventions. (3) A.

Provides in-depth analysis of risk factors for delinquency. Examines effectiveness of individual, school, and family-based interventions in both community and residential settings.

COR 322 School-Based Interventions for At-Risk Youth (3) A.

Examines school-based problems and interventions commonly experienced by at-risk youth. Discusses strategies for effective collaboration between schools and other youth-serving organizations. Credit will not be awarded for both COR 322 and CON 320 “School-Based Interventions for at-risk Youth.”

COR 323 Legal Issues in Adult Corrections

(3) A. Formerly CON 315. Cross-listed as CRJ 323. An overview of legal court decisions related to adult corrections. Analyzes legal issues surrounding adult

correctional contexts and practices. Credit will not be awarded to students who have credit for COR 315 or CRJ 323.

COR 340 Correctional and Juvenile

Justice Administration. (3) A. Introduces students to organizational theory and managerial principles, and examines their application to the unique challenges of correctional and juvenile justice settings.

COR 349 Applied Learning in Corrections

and Juvenile Justice. (.5-6) A. Prerequisites: 30 hours of college coursework and departmental approval. Work under faculty and field supervisors, in placements related to academic studies. Total hours: six, baccalaureate. A minimum of 80 hours work experience is required for each academic credit.

COR 349 A-N Cooperative Study:

Corrections and Juvenile Justice. (.5-6) A.

Prerequisites: 30 hours of college coursework and departmental approval. Work under faculty and field supervisors, in placements related to academic studies. Total hours: six, baccalaureate. A minimum of 80 hours work experience is required for each academic credit.

COR 360 Rehabilitation Strategies for Adult

and Juvenile Offenders (3) A. Cross-listed as CRJ 360. Debates the rehabilitative goal of corrections and juvenile justice. Examines contemporary strategies and their effectiveness in controlling/changing offender behavior. Credit will not be awarded to students who have credit for CON 350 or CRJ 360.

COR 375 Applied Skills Practicum. (1-6)

A. Prerequisites: 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 410 Female Offenders (3) A. Formerly

COR 423. Analyzes how policy and practice has impacted female arrests and incarceration. Explores gendered pathways to crime and the importance of gender-specific programming. Credit will not be awarded for both COR 410 and COR 423: “Women in Corrections”.

COR 412 Exploring the Death Penalty (3) A.

Introduction to the history and use of the death penalty in the US. Examines purpose, fairness, and efficacy of death penalty through balanced coverage of the debate. Credit will not be awarded to students who have credit for CON 320: “Exploring the Death Penalty.”

COR 413 Addressing Mental Health and

Substance Abuse Needs of Adult Offenders (3) A. Formerly CON 320. Cross-listed as CRJ 413. Examines etiology and effects of substance abuse/ mental health problems of adult offenders. Describes intervention strategies. Credit will not be awarded to students who have credit for CON 320: “Addressing Mental Health and Substance abuse needs of adult offenders” or CRJ 413.

COR 420 Diversity in Corrections (3) A.

Formerly CON 423. Cross-listed as AFA 346, CRJ 345, WGS 345. Focuses on issues, status, and special needs of “non-mainstream” sub-populations within the US correctional system, both inmates and personnel. Credit will not be awarded to students who have credit for CON 423 “Diversity in Corrections.”

COR 421 Intervening with Juvenile Sex

Offenders (3) A. Formerly CON 423. Provides comprehensive overview of field of juvenile sex offenders and the risk they pose. Focuses on etiology, evaluation, assessment, treatment, and management of juvenile sex offenders. Credit will not be awarded to students who have credit for CON 423: “Intervening with Juvenile Sex Offenders.”

COR 422 Legal Issues in Juvenile Justice.

(3) A. Introduces the major bodies of law that inform juvenile justice practice and examines juvenile’s legal rights. Credit will not be awarded to students who have credit for CON 316 or CON 423 “Advanced Legal Issues in Juvenile Justice.”

COR 423 Topical Seminar: _____. (1-3) A.

Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of

twelve hours on different topics.

COR 460 Independent Study. (1-6) A.

Prerequisites: 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 the faculty supervisor and department chair prior to enrollment.

**CRE—Applied Creative Thinking
Dr. Russell Carpenter, Director**

CRE 101W Introduction to Applied Creativity

(3) A. Prerequisite or Corequisite: ENG 102 or ENG 105 (with a minimum grade of “B”) or HON 102. A communication intensive introductory course establishing a foundation in creative thinking through instruction in basic theories and practices. Concentration on basic language and fundamental and powerful concepts in creativity studies. Credit will not be awarded to students who have credit for CRE 101.

CRE 201 Innovation and Creativity (3)

A. Prerequisite: ENG 102 or departmental approval. Explores the creative approaches of recent (and historic) innovations in business, industry, and education through a case study approach.

CRE 300 Pedagogy of Creativity Studies (3)

A. Prerequisite: ENG 102 or departmental approval. An examination of pedagogical theories and practical strategies in the field of creativity studies. Emphasis on application of these approaches.

CRE 301 Creativity Texts & Technology (3)

A. Prerequisite: ENG 102 and at least 3 credits of CRE courses, or departmental approval. Explores the texts, technologies, and new media that allow students to create compelling messages and provides an introduction to creative production and appeals through technology.

CRE 305 Creativity and Research (3) A.

Prerequisite: ENG 102 and at least 3 credits of CRE courses, or departmental approval. Extends the process of cultivating intentional and systematic creative competencies in students, honing in on information fluency development in scholarship and research.

CRE 300 Pedagogy of Creativity Studies (3)

A. Prerequisite: ENG 102 or departmental approval. An examination of pedagogical theories and practical strategies in the field of creativity studies. Emphasis on application of these approaches.

CRE 350 Studio Theory & Practice (3) A.

Prerequisite: ENG 102 or ENG 105(B) or HON 102. This course teaches students theories and practices of consulting in communication environments. Students learn effective strategies for providing feedback in individualized and small-group settings.

CRE 400 Creativity Studies Project (3) A.

Prerequisites: coordinator approval; CRE 101(C) and 12 hours of courses on CRE list. Requires portfolio, project, and presentation in the culminating creativity experience.

CRE 490 Independent Study: Creative

Thinking (3) A. Prerequisite: ENG 102 or departmental approval; student must consult with the faculty supervisor and have the independent study proposal form approved by faculty supervisor and program coordinator prior to enrollment. An independent study course focusing on a particular project or area in creative thinking of value to the field and interest to the student.

**CRJ—Criminal Justice
Dr. Dawn Rothe, 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 204 Foundations of Corrections (3) A.

An overview of the evolution, structure, and functioning of corrections in the United States. Examines correctional processes, populations, and issues.

CRJ 301 Drugs, Crime and Society. (3) A.

Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing 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 302 Living and Working in Prison

(3) A. Cross-listed as COR 302. Prerequisite: Junior or Senior standing. Examines inmate subcultures and violence in prisons. Analyzes prison environment for correctional officers. Explores life behind bars/ offender difficulties in reentering society. Credit will not be awarded for both CRJ 302 and COR 302.

CRJ 303 The Offender in the Community

(3) A. Cross-listed as COR 303. Prerequisite: Junior or Senior standing. Explores impact offenders have on community. Examines formal correctional options and alternative methods of social control used to manage offenders in community. Credit will not be awarded for both CRJ 303 and COR 303.

CRJ 305 Domestic Violence. (3) A.

Cross-listed as WGS 305. Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing, 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. Credit will not be awarded for both CRJ 305 and WGS 305.

CRJ 311 Juvenile Justice System (3) A.

Cross-listed as COR 311. Prerequisite: Junior or Senior standing. Examines the evolution of the juvenile justice system, police response to delinquency, and juvenile court’s role in protecting the public and serving children. Credit will not be awarded for both CRJ 311 and COR 311.

CRJ 313 Criminal Justice Ethics. (3)

A. Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing, 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. Credit will not be awarded for both CRJ 313 and 313S.

CRJ 314 Law and Society (3) A.

Prerequisite: Junior or Senior standing. Critically examines law in everyday life. Law infuses popular media, constructs (and constrains) identity, and pervades language. In turn, media, identity, and discourse construct our understandings of law. Particular attention is paid to the law’s role in practices and discourses of resistance and in exerting social control.

CRJ 323 Legal Issues in Adult Corrections

(3) A. Cross-listed as COR 323. Prerequisite: Junior or Senior standing. An overview of legal court decisions related to adult corrections. Analyzes legal issues surrounding adult correctional contexts and practices. Credit will not be awarded for both CRJ 323 and COR 323.

CRJ 325 White Collar Crime/Crimes of the Powerful. (3) A.

Prerequisite: sophomore standing. 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 Criminological Theory. (3)

A. Prerequisite: Junior standing. Overview of criminological theoretical perspectives that attempt to explain crime. Credit will not be awarded for both CRJ 331 and COR 310 or CRJ 331W.

CRJ 331W Criminological Theory. (3) A.

Prerequisites: ENG 102 or ENG 105 or HON 102 and junior standing. Overview of criminological perspectives that attempt to explain crime. Credit will not be awarded for both CRJ 331W and CRJ 331 or COR 310.

CRJ 340 Crime and Media (3) A.

Prerequisites: Sophomore standing. Critiques images of crime, criminals and punishment in American popular culture. Examines news media, film and television as sites of cultural production and consumption. Credit will not be awarded to students who have credit for CRJ 423 Topical Seminar: Crime and Media.

CRJ 344 Violence Against Women (3) A.

Prerequisites: Sophomore standing. Explores the social character of violence against women. A variety of

theories are utilized to examine this phenomenon at the individual, organizational and societal levels. Credit will not be awarded to students who have credit for CRJ 423 Topical Seminar: Violence Against Women.

CRJ 350 International and Comparative

Criminal Justice Systems. (3) A. Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing, 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 355 Rural Crime and Justice. (3) A.

Prerequisite: sophomore standing. Survey of rural crime and justice issues, crime trends, policing and control of rural crime with particular attention given to Kentucky and Appalachia. Credit will not be awarded for both CRJ 355 and APP 355.

CRJ 360 Rehabilitation Strategies for Adult

and Juvenile Offenders (3) A. Cross-listed as COR 360. Prerequisite: Junior or Senior standing. Debates the rehabilitative goal of corrections and juvenile justice. Examines contemporary strategies and their effectiveness in controlling/changing offender behavior. Credit will not be awarded for both CRJ 360 and COR 360.

CRJ 375 Climate Change and Crime. (3) A.

Prerequisites: Junior standing; CRJ 101 with a grade of C or higher. Overview of climate change and its effects. Draws on leading crime theories to discuss the potential impact of climate change on crime. Credit will not be awarded for both CRJ 375 Climate Change and Crime and CRJ 406 Critical Issues in CRJ: Climate Change and Crime.

CRJ 388 Research Methods. (3)

A. Prerequisite: Junior standing. 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 CRJ 388W.

CRJ 388W Research Methods (3) A.

Prerequisite: ENG 102, or ENG 105, or HON 102, junior standing. 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 CRJ 388.

CRJ 400 Criminal Justice Statistics. (3) A.

Prerequisite: Junior standing. Analytical and statistical concepts and procedures relevant to crime and criminal justice data. Includes quantitative and qualitative techniques.

CRJ 401 Organized Crime. (3) A.

Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing, 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 403 Crime Mapping. (3) A.

Prerequisite: sophomore standing. The purpose of this class is to introduce the student to theoretical and practical aspects of crime mapping and the spatial analysis of crime. In addition the lab portion of the class will provide hands-on training in crime mapping practices. 3 Lec/2 Lab.

CRJ 406 Critical Issues in Criminal Justice.

(3) I, II. Prerequisites: CRJ 101 with a grade of “C” or better, sophomore standing, 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. May be retaken for a maximum of six hours on different topics.

CRJ 411 Capital Punishment in the U.S. (3)

A. Prerequisites: Junior or Senior standing; CRJ 101 with a grade of C or higher. Examines the historical and contemporary administration of the death penalty in the United States. Credit will not be awarded for both CRJ

411 Capital Punishment in the U.S. and CRJ 423 Topical Seminar: Capital Punishment in the U.S.

CRJ 412 Gender, Class and Race. (3) A.

Prerequisite: Junior or Senior standing. Critically examines gender, class and race and their intersections as they pertain to crime, offending, victimization, and punishment. This course will lead students to an understanding of how the criminal justice apparatus operates within larger social, political, and economic systems of oppression and domination over marginalized populations.

CRJ 413 Addressing Mental Health and Substance Abuse Needs of Adult Offenders. (3) A. Formerly: COR 320. Prerequisite: Junior or Senior standing. Cross-listed as COR 413. Examines etiology and effects of substance abuse/ mental health problems of adult offenders. Describes intervention strategies. Credit will not be awarded to students who have credit for COR 413 or COR 320.

CRJ 422 Human Trafficking. (3) A.

Prerequisite: Junior or Senior standing. Critically examines the global problem of human trafficking. Using a historical and comparative framework, this course reveals variation in human trafficking patterns in different regions of the world and efforts to combat human trafficking by means of prevention, protection, prosecution, and partnership.

CRJ 423 Topical Seminar: _____. (3)

A. Prerequisites: departmental approval, sophomore standing. Intensive study of selected topics related to criminal justice. May be retaken with different topics.

CRJ 424 Field Experience. (3) A.

Prerequisites: instructor and departmental approval, sophomore standing. Designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions.) May be retaken 1 time for 6 total credit hours.

CRJ 430 Crime and the Economy. (3)

A. Prerequisites: CRJ 101 with a grade of "C" or better. Examines capitalism as it contributes to crime. Demonstrates how cultural aspirations and structural barriers create a criminogenic society and socio-economic bias in criminal justice.

CRJ 440 Pathological Gambling and Crime. (3) A.

Prerequisites: Junior or Senior standing; CRJ 101 with a grade of C or higher. This course examines problem gambling and its relationship to crime and criminal justice. Special attention is given law, corrections, and offending. Credit will not be awarded for both CRJ 440 Pathological Gambling and Crime and CRJ 423 Topical Seminar: Problem Gambling.

CRJ 460 Independent Study. (1-3) A.

Prerequisites: departmental approval, sophomore standing. 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 490W Senior Seminar. (3) A. Prerequisites: ENG 102 or ENG 105 or HON 102 and senior standing or departmental approval. Capstone course requiring the production of a senior level paper grounded in relevant criminal justice literature. Emphasis on integration of knowledge acquired in previous courses. Credit will not be awarded for both CRJ 490 and CRJ 490W.

CSC—Computer Science
Dr. Ka-Wing Wong, Chair

CSC 140 Introduction to Computer Game Design. (3) I, II. Introduction to computer game design, frame based animation, sound effects, program logic,

game scripting, and object oriented programming. Credit will not be awarded for both CSC 250 and 140.

CSC 160 Introduction to Programming. (3)

A. Prerequisite: MAT 110 or higher with a grade of "C" or higher, or a minimum score of 22 on the mathematics portion of the ACT, or a minimum score of 510 on the math portion of the SAT. 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.

CSC 170 Intro to Game Programming. (3)

A. Prerequisite: MAT 110 or higher with a grade of "C" or higher, or a minimum score of 22 on the mathematics portion of the ACT, or a minimum score of 510 on the math portion of the SAT. Introduction to game programming using Python. Programming concepts including data types, input/output, and control structures will be introduced through the construction of various types of 2-D games. 3 Lecture/Lab.

CSC 174 Introduction to Programming for Science & Engineering (3) I, II. Prerequisite: MAT 122 or higher with a grade of "C" or higher, or a minimum score of 25 on the mathematics portion of the ACT, or a minimum score of 590 on the math portion of the SAT. Introductory programming for scientific and engineering applications, input/output, decision, loops, arrays, subroutines, functions, files and simulation

CSC 177 Introduction to Visual Basic. (3) I, II. Prerequisite: MAT 110 or higher with a grade of "C" or higher, or a minimum score of 22 on the mathematics portion of the ACT, or a minimum score of 510 on the math portion of the SAT. 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.

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 185 Intro to Computing Concepts. (3) I, II. Prerequisite: MAT 122 or higher with a grade of "C" or higher, or a minimum score of 25 on the mathematics portion of the ACT, or a minimum score of 590 on the math portion of the SAT. Study fundamental programming concepts, mathematical structures, and logical principles required to design computer programs. Practice step-by-step problem solving in support of good algorithm design and verification practices.

CSC 190 Object-Oriented Programming

I. (3) I, II. Prerequisites: MAT 122 or higher with a grade of "C" or higher or a minimum score of 25 on the mathematics portion of the ACT, or a minimum score of 590 on the mathematics portion of the SAT. Introduction to problem solving with computers using an object-oriented programming language. Concepts include data types, input/output, classes, control structures, and arrays. 2 Lec/2 Lab.

CSC 191 Object-Oriented Programming

II. (3) I, II. Prerequisite: a grade of "C" or higher in both CSC 185 and 190. Object-oriented programming, recursion, arrays, inheritance, file input/output, exception handling, multi-thread programming, GUI, object-oriented analysis and design. 2 Lec/2 Lab.

CSC 195 Intro to Discrete Structures. (3) I, II.

Prerequisites: A grade of "C" or higher in both CSC 185 and 190. 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 250 Intro to Interactive Games/App.

(3) A. Prerequisite: CSC 190 with a minimum grade

"C." Introduction to multimedia programming and scripting. Topics include frame-based animation, video editing, sound effects, program logic, and object-oriented programming. Credit will not be awarded for both CSC 250 and 140.

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 308 Mobile App Development for

Apple iOS. (3) A. Prerequisite: CSC 191 and 195 with a grade of "C" or higher in both courses. Introduction to developing mobile applications for Apple iOS. Topics include development tools, APIs, user interfaces, mobile-specific technologies and application design.

CSC 309 Mobile App Dev for Android. (3)

A. Prerequisite: CSC 191 and 195 with a grade of "C" or higher in both courses. Introduction to developing mobile device web sites and applications for Android. Topics include development tools, APIs, user interfaces, mobile-specific technologies and application design.

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 311 Algorithms I. (3) A.

Prerequisite: CSC 191, CSC 195, and MAT 234 or MAT 234H with a grade of "C" or higher in all three courses. Logic and proof, mathematical induction; order of magnitude, recurrence relations, analysis of recursive algorithms; Boolean algebra and logic networks, networks for adding, merging, and sorting; matrices; finite state machines, push-down automata, linear bound automata, Turing machines; formal languages.

CSC 313 Database Systems. (3) A.

Prerequisite: CSC 191 and 195 with a grade of "C" or higher in both courses. Introduction to databases, storage and retrieval of data, report generation, interface and application development, online queries, XML, multimedia database, and database security.

CSC 315 3D Modeling. (3) A.

Prerequisite: CSC 191 and 195 with a grade of "C" or higher in both courses. An introduction to geometric representations in 3D. Topics include polygon and spline modeling, texture mapping, materials, 3D scanning, and topics in animation including character rigging.

CSC 316 3D Game Engine Design. (3) A.

Prerequisite: CSC 310. Introduction to 3D animation and programming. Topics include coordinate systems, vertices, lines, polygons, geometric objects, 3D models, motion control, and interaction design.

CSC 320 Algorithms II. (3) A.

Prerequisites: CSC 310 and 311 with a grade of "C" or higher in both courses. 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 332 Digital Storage Device Forensics.

(3) A. Prerequisite: a minimum grade of "C" in CSC 310. Introduction to digital storage forensics. Topics include digital investigation fundamentals, fundamentals of storage devices (hard disk, optical, flash, consumer electronics devices, and mobile devices), disk volume analysis, and file systems analysis (FAT/NTFS, Ext2/3/4, UFS1/2, HFS/HFS+/HFSX).

CSC 340 Ethics & Software Engineering. (3)

A. Prerequisite: CSC 310 and 313 with a grade of "C" or higher in both courses. 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. (5-8) 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-N Cooperative Study:

Computer Science. (5-8) 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 and 310 with a minimum grade of "C" in both courses. The principles used in the design and implementation of programming languages. Language descriptions, structural implementations, and specialized features of languages.

CSC 360 Computer Org & Architecture (3)

A. Prerequisite: CSC 191 with a minimum grade of "C". Information representation, instruction set architecture, assembly language, instruction execution, basic processing units, input/output organization, memory and storage organization, overlap and pipeline processing, parallel processing, and performance evaluation. Credit will not be awarded for both CSC 360 and 370.

CSC 370 Computer Architecture. (3) A.

Prerequisite: CSC 200. 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. Credit will not be awarded for both CSC 360 and 370.

CSC 390 Advanced Programming

Techniques with _____. (3) A. Prerequisite: CSC 191, with a minimum grade of C. 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 310 and 360 with a grade of "C" or higher in both courses. 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 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: A minimum grade of "C" in CSC 340. 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 310 with a minimum grade of C. 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 491 Game Design Capstone. (3) A.

Prerequisite: CSC 316 and senior status. Level design, storyboarding, character modeling, game scripting, game interface design, audio effects, marketing, and ethics. Students will work in groups to develop a computer game term project.

CSC 494 Innovative Problem Solving (1-3)

A. Prerequisite: Departmental approval. An individually developed project related to an innovative solution of a problem provided by the software industry. The result is to be presented in open forum. May be retaken to a maximum of 6 hours provided the topics are different.

CSC 495 Independent Work. (1-3) I, II.

Prerequisites: ENG 102, 105(B) or HON 102, and 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 twelve hours.

CSC 496 Senior Seminar. (1) A. Prerequisite:

CSC 340 with a minimum grade of "C". Critically evaluate current issues in computer science and effectively communicate creative ideas with professionals to foster collaborative problem solving.

CSC 499 CS Career Preparation. (1) A.

Prerequisite: CSC 310 with a grade of "C" or better. Career preparation for students seeking internship or permanent jobs. Job search, resume creation, interview techniques for application of computer science positions.

CSC 507 Special Topics: _____. (1-3) A.

Prerequisite: departmental approval. Topics vary with offering. May be retaken to a maximum of six hours with advisor approval, provided the topics are different.

CSC 520 Multimedia System and Forensics.

(3) A. Prerequisite: CSC 310. Integration of multimedia technologies, signal processing and compression of images, audio, and video, multimedia forensics and message hiding.

CSC 530 Concepts of Programming Systems.

(3) A. Prerequisites: three hours of a programming language or 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 the B.S. degree in 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 541 Software Testing. (3) A.

Prerequisites: Senior standing and CSC 310. The purpose of this course is to study software testing process, methods, techniques and tools. Topics include black box testing, white box testing, integration testing, acceptance testing, regression testing, performance testing, stress testing, and testing of object-oriented software.

CSC 542 Internet Forensics (A). Prerequisite:

CSC 322 with a minimum grade of "C". This course covers the basic knowledge and skills necessary to analyze Internet-based applications artifacts for digital evidence recovery. The topics include popular Web browsers, instant messengers, and social media apps.

CSC 544 Database Admin and Security. (3)

A. Prerequisite: CSC 310 with a minimum grade of "C." This course covers database management system concepts, database system architecture, installation and setup, data management, performance monitoring and

tuning, backup and recovery, database security models and management, database auditing.

CSC 545 Theory of Database Systems. (3)

A. Prerequisite: a minimum grade of "C" in CSC 310. Models and principles of information systems. Database languages. The logical and physical design as well as the implementation and use of database 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 547 Network Forensics and

Investigation (3) A. Prerequisites: Senior standing and CSC 400. Introduction to Windows network forensics.

Topics include: Windows network structure; Windows password/authentication mechanisms; Windows ports and services; Liveanalysis techniques; Windows registry structure and evidence; Forensic analysis of events logs; Network forensics tools and reporting.

CSC 548 Personal Electronic Device

Forensics. (3) A. Prerequisite: CSC332. Introduction to personal electronic device forensics. Topics include architecture, functionality, operating systems and implementation of PEDs (cell phones, PDAs, iPod, MP3 music players, GPS devices), recovering evidence from PEDs, and hostile forensic and booby-trapping techniques.

CSC 549 Computer Forensics Capstone.

(3) A. Prerequisite: CSC 332. Project course. Students apply learned digital forensic knowledge, techniques, and software and hardware tools to work on a team project on a case for digital evidence collection, handling, analysis, and reporting.

CSC 550 Graphics Programming. (3)

A. Prerequisites: CSC 316. 3-D geometry, model transformation, matrices, computer algorithms and protocols, texture mapping, camera control, and collision detection.

CSC 555 Topics in Multimedia: ____ (3)

A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced when offered. May be retaken to a maximum of six hours, provided the topics are different.

CTE—Career and Technical Education

Dr. Michael Walach, Coordinator

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 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. For in-service career and technical teachers. A study of the historical, philosophical, economical, sociological, and psychological foundations of career and technical education related to elementary, secondary, and post-secondary education. Credit will not be awarded for both CTE 261 and 262.

CTE 262 Foundations of Career and

Technical Education (Pre-Service). (3) A. Corequisite: EDF 310 (1)—Enrollment in a late term section is preferred. For pre-service career and technical teachers. A study of the historical, philosophical, economical, sociological, and psychological foundations of career and technical education related to elementary, secondary, and

postsecondary education. Credit will not be awarded for both CTE 262 and 261.

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 303 Career and Technical Education Staff Exchange. (2-9) A. Prerequisite: departmental approval. For in-service career and technical teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an occupational setting. Assignments include verifying contact hours, site visit, narrative summary, and lesson development. 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 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. 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. Prerequisites: CTE 361, 363, 364. 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.

DES—Design

Ida Kumoji- Ankrah, Chair

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 250 Introduction to Graphic Design. (3) I, II. Prerequisites: ART 100 and 152. Introduction to the field of professional graphic design and its conceptual and technical makeup. A portfolio review will be conducted during exam week of DES 250 to determine enrollment for DES 350 and 351.

DES 256 Graphic Design for Non-Majors. (3) A. Prerequisite: ENG 101 or departmental approval. An introduction to principles and processes of graphic design as a form of visual communication through type, image, color and form. Credit will not be awarded to students who have credit for DES 251.

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 326 Interior Design Studio IV. (3) II. Prerequisite: DES 322, Major GPA 3.0, and admission to the BFA program. Research, analysis, organization, advance programming in large-scale commercial and/or residential design, emphasizing special populations, and resulting in functional and aesthetic design solutions. Studio meets for 3 hours twice a week.

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 349 Applied Learning in Art & Design (.5-8) A. Work in a professional environment related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours employment required for each semester hour credit. Students must have successfully completed 30 semester hours of course work and transfer students must have completed at least one semester of full-time course work at EKU with a GPA of 2.5.

DES 349 A-N Cooperative Study: Art & Design (.5-8) A. Work in a professional environment related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours employment required for each semester hour credit. Students must have successfully completed 30 semester hours of course work and transfer students must have completed at least one semester of full-time course work at EKU with a GPA of 2.5.

DES 350 Typography I. (3) II. Prerequisite: DES 250. Corequisite: DES 351. Departmental approval and 2.5 GPA in ART, ARH, and DES courses. Introduction to the use of letterforms in graphic design and visual culture. Students will research typographic terms and history and will develop an understanding of visual hierarchy in graphic design.

DES 351 Sophomore Studio. (3) I, II. Prerequisite: DES 250, departmental approval and 2.5 GPA in ART, ARH, and DES courses. Corequisite: DES 350. An exploration of visual communication issues and applications in graphic design. The relationship of visual form to meaning, type and image relationships will be examined.

DES 352 Image Making. (3) II. Prerequisites: DES 350, 351, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 353. An advanced integration of various techniques and materials, both traditional and contemporary, to promote understanding of the importance of imagery within the field of graphic design.

DES 353 Production for Graphic Design. (3) II. Prerequisites: DES 350, 351, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 352. Exploration of materials, surface graphics, marketing, and production problems as the refinement and integration of many design principles.

DES 354 Typography II. (3) A. Prerequisites: DES 352, 353, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 451. Advanced study of typography as an expressive medium. Special attention to multi-page document work, advanced issues of typography in scale as well as its usage in new media and alternative situations.

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 Interior Design Studio VI. (3) II. Prerequisites: DES 421 and 422, Major GPA 3.0, and admission to the BFA program. Corequisite: ART 499. Advanced studio experiences in interior design requiring students to design a comprehensive large-scale project. Studio meets for 3 hours twice a week.

DES 450 Professional Practices in Graphic

Design. (3) I, II. Prerequisites: DES 354, 451, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 453. This course examines the professional standards and practices specific to the field of graphic design.

DES 451 New Media. (3) A. Prerequisites: DES 352 and 353, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 354. Introduction to the artistic and technical issues of multimedia through website creation and animation.

DES 453 Senior Workshop in Design. (3) I, II. Prerequisite: DES 354, 451, Major GPA 2.5, and admission to the BFA program. Corequisite: DES 450. Exploration of current issues, technical procedures, and design products.

DES 454 BFA Graphic Design. (3) I, II. Prerequisites: DES 453, Major GPA 2.5, and admission to the BFA program. Corequisite: ART 499. Final phases of the student designer's transition into the profession. Additional guidance towards portfolio and senior thesis development.

DES 463 Problems in Design: _____. (3) I, II. Prerequisites: DES 354 and 451 or Department Approval. Individualized instruction in design builds on creative skills and techniques learned in prior design courses. This course stresses the development of a specialized study of techniques and concepts for a design portfolio. May be retaken with different topics to earn a maximum of nine hours.

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.

DES 525 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habitations.

ECO—Economics

Dr. Lynnette Noblitt, Chair

ECO 110 The Individual and the Economy. (3) A. Prerequisite: MAT 095 or ACT math score of 18 or SAT math score of 490 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.

ECO 120 Economic Reasoning and Issues. (3) I, II. Prerequisite: completion of all developmental math requirements. An excellent preparatory course for ECO 230 or 231, dealing with basic concepts of a market-based economy, including scarcity, opportunity cost, comparative advantage, demand and supply, marginal analysis, market failures, economic growth, unemployment, inflation, and international trade. Credit will not be awarded to students who have credit for ECO 230 or 231 with a minimum grade of "C". Gen. Ed. E-5B [SB].

ECO 130 Contemporary Economic Problems. (3) I, II. Prerequisite: completion of developmental math requirements. An excellent preparatory course for ECO 230 or 231, dealing with such contemporary economic problems as unemployment, inflation, national debt, energy, health, pollution, education, crime, poverty, discrimination, and protectionism. Students who have completed ECO 230 or 231 with a grade of C or better, or are currently enrolled in ECO 230 or 231, will not receive credit for ECO 130. Gen. Ed. E-5B [SB].

ECO 220 Statistical Methods for Economics I. (3) A. Prerequisite: MAT 112 or 114. 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 310 or QMB 200 or STA 208 or STA 215 or STA 270.

ECO 230 Principles of Microeconomics.

(3) **I, II.** Prerequisite: completion of developmental requirements. For students with a composite ACT score of less than 21, completion of ECO 120 or 130 is strongly recommended prior to taking this course. 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. E-5B [SB].

ECO 231 Principles of Macroeconomics.

(3) **I, II.** Prerequisite: completion of developmental requirements. For students with a composite ACT score of less than 21, completion of ECO 120 or 130 is strongly recommended prior to taking this course. 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. E-5B [SB].

ECO 300 Managerial Economics. (3) A.

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 Research Methods in Economics

I. (3) I. Prerequisite: ECO 220, STA 270 or QMB 200; ECO 230 and 231; or departmental approval. Combining economic theory and statistical models in empirical work in economics; the linear statistical model and its extensions, application to production and cost, demand, and economic growth, forecasting, and policy analysis; classical time series analysis.

ECO 324 Money and Banking. (3) A.

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 330W Intermediate Microeconomics. (3)

I. Prerequisite: ECO 230 or departmental approval; ENG 102 or ENG 105(B) or HON 102. A writing-intensive intermediate course in economics. Analysis of consumer and producer behavior, market equilibrium, pricing and resource allocation under alternative market structures, risk aversion and information. Credit will not be awarded for both ECO 330W and ECO 330.

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 340 Environmental Economics. (3) A.

Cross-listed as APP 340 and ENV 340. 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. Credit will only be awarded for ECO 340, or APP 340, or ENV 340.

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.

(.5-3) **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-N Cooperative Study:

Economics. (.5-3) 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 394 International Economics. (3) A.

Prerequisites: (ECO 230 or 231) and junior standing. 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.** Prerequisites: (ECO 230 or 231) and junior standing. Economics of development including: theories of growth, income distribution, investment in human capital, alleviation of poverty, strategies for growth; study of selected countries. Credit will not be awarded for both ECO 395 and 395W.

ECO 395W Economics of Developing Countries

(3) **A.** Prerequisites: ECO 230 or 231 and junior standing; ENG 102 or ENG 105(B) or HON 102. Economics of development including: theories of growth, income distribution, investment in human capital, alleviation of poverty, strategies for growth; study of selected countries. Credit will not be awarded for both ECO 395W and 395.

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 420 Research Methods II. (3) II.

Prerequisite: ECO 320 or departmental approval. Problems of heteroscedasticity, serial correlation, and endogeneity in the linear statistical model; nonlinear models and modern time series analysis. Formulation and execution of empirical research project.

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 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.

EDC—Educational Core

Dr. Ginni Fair, Chair

EDC 106 Culturally Responsive Perspectives.

(3) **I, II.** Students will reflect on how concepts of culture, cultural competency and responsiveness, inclusion, and equity intersect in social and professional settings. By better understanding marginalized populations, students can provide culturally responsive services in diverse communities.

EDC 300 Differentiation in Inclusive

Classrooms. (3), I, II. Prerequisites: Admission to professional education. Co-requisites: EMS 300W or EMS 300. Differentiating instruction for diverse learners in all education settings. Collaboration and planning to address the needs of diverse learners including students with disabilities, English Language Learners, Gifted/

Talented, SES. Credit will not be awarded to students who have credit for SED 402.

EDC 314 Engineering in Classroom Context.

(3) **I, II.** Cross-listed as TEC 314. Prerequisites: Admission to professional education or instructor approval. Introduction of engineering and technology to promote problem solving skills, tool use, materials processing, design capabilities, and product completion. Applications for K-8 classrooms are emphasized. Credit will not be awarded to students who have credit for TEC 314.

EDF—Educational Studies

Dr. Ginni Fair, Chair

EDF 203 Educational Foundations. (3) I, II.

Co-requisite: CED 100. 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. Background check College approved procedure must be ordered and paid for by the first day of class. Credit will not be awarded for both CDF 203 and EDF 203.

EDF 204 Emerging Instructional

Technologies. (2) I, II. Technological applications to education, training, and instruction within educational and human services settings. Students examine, develop, and/or evaluate emerging instructional technologies. For individuals interested in exploring technological applications in teaching and learning.

EDF 205 Creative Learning and Teaching. (3)

II. An introduction to the basic theories and principles of creativity as applied to development of your own creative thinking and how teachers, professionals and parents can encourage creativity in others.

EDF 219 Human Development and Learning.

(3) **I, II.** Corequisite: CED 200. The study of theories and principles of human development and learning as applied to the classroom. Credit will not be awarded to students who have credit for EDF 320 or EDF 219W.

EDF 219W Human Development and Learning.

(3) **I, II.** Corequisite: CED 200. Prerequisite: ENG 101 and 102, or HON 105 with a grade of "C" or better, or ENG 105 with a grade of "B" or better. The study of theories and principles of human development and learning as applied to the classroom. Credit will not be awarded to students who have credit for EDF 320 or EDF 219.

EDF 310 Transition to Education. (1-3) I,

II. Prerequisite: Completion of background check prior to the first day of the semester. Candidates will follow the College of Education Licensure and Certification approved procedure. Corequisite: CED 150. EDF 310 is required of candidates who have an equivalent transfer course(s) for [EDF 203, CDF 203] or [EDF 219, CDF 235].

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 will not be awarded for both EDF 320 and EDF 319.

EDF 330 U.S. South and Black Education.

(3) **A.** Cross-listed as AFA 330. This course introduces the major themes of Black populations pursuing educational opportunities in Southern States. Students will acquire knowledge about historical events, people and policies shaping the evolution of Blacks in education. Credit will not be awarded for both EDF 330 and AFA 330.

EDF 413 Assessment in Education. (3) I,

II. Prerequisite: Admission to Professional Education. Co-requisites: EMS 490 and CED 400. Principles and procedures in assessing and evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Assessment construction, analysis, marking systems, and authentic assessment systems will be addressed.

EDO— Education Orientation**Dr. Sherry Powers, Dean****EDO 100 Student Success Seminar. (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 EKU; beyond that open to students with fewer than 30 semester hours earned.

EES—Essential Elements of Success**Dr. Charlotte Tanara, Director****EES 250 Basic Social Intelligence Skills (3) I, II.**

A focus on human relationships and researched-based social skills. Students learn to operationalize theories into social intelligence skills and practice initiating, observing, listening, evaluating, and responding in ways that promote positive interactions and relationships. Gen. Ed. E-1C [OC].

EES 300 Advanced Social Intelligence Skills (3) I, II.

Prerequisite: Junior standing. Prerequisite or Corequisite: EES 250 or departmental approval. This is an advanced course that builds on the core skills presented in Basic Social Intelligence Skills. It provides additional knowledge and skills for successfully engaging in more complex social and professional interactions and relationships.

EES 310 Applied Critical Thinking (3) A.

Prerequisite: Junior or Senior standing. This course will address the application of critical thinking skills within various fields of study. Students will learn critical thinking skills and how to integrate them into a successful career.

EES 320 Basic Facilitation Skills. (3) A.

An introduction to facilitation and maximizing group potential. Students learn and practice basic methods for designing and planning effective meetings, creating and maintaining safe and engaging environments, and stimulating creative and critical thinking within groups.

EES 330 Applied Critical and Creative Thinking (3) I, II.

Prerequisite: junior or senior standing. This course addresses the application of critical thinking and creative thinking skills within multiple fields of study. Students will learn critical thinking and creative thinking skills and how to integrate those skills into a successful career.

EES 360 Advanced Facilitation Skills. (3) A.

Advanced methods and techniques to maximize group potential are taught and practiced, including problem solving, generating actionable ideas, decision-making, conducting meaningful conversations, and safely and constructively addressing controversial issues.

EES 450 Leaders Without Titles (3) I, II.

This course focuses on the personal dimensions that are needed to form the foundation of one's competencies and abilities to lead self and others.

EES 460 The Science and Application of Leadership (3) II.

Prerequisite: EES 450. This course provides students opportunities to examine, define, operationalize, and apply universal elements of leadership. Effective leaders need to be knowledgeable and skilled in these elements.

EET—Electricity and Electronics Technology**Dr. Vignan Chandra, Coordinator****EET 251 Electricity and Electronics. (3) I, II.**

Prerequisite: Grade of at least "C" in MAT 095 or a minimum math ACT score of 18 or a minimum SAT math score of 490. Principles of basic electricity, circuit operation, and electronics. Topics include electrical components, measurements, power, characteristics of AC-DC, basic circuit laws, circuit simulation, magnetism, energy conversion, and sources. 2 Lec/2 Lab.

EET 252 Digital Electronics. (3) I, II.

Prerequisite: grade of at least "C" in MAT 090 or

equivalent. A survey of digital electronics fundamentals and applications. Topics include number systems, digital mathematics, logic families, logic gates, multiplexers, demultiplexers, comparators, counters, decoders, displays, and converters. 2 Lec/2 Lab.

EET 253 Microprocessor Control Systems.

(3) A. Prerequisite: EET 251 and 252. The operation and application of microprocessor-based control systems in electro-mechanical project environments. Topics include data, address, and control signals; memory; software; interfacing digital and analog devices; ports; and data communications. 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 Devices and Circuits.

(3) A. Prerequisite: EET 251. An analysis of the characteristics of solid state devices and the common circuits that utilize these devices. Emphasis on problem solving supplemented by laboratory activities and demonstration of electronic circuits and devices. 2 Lec/2 Lab.

EET 350 Industrial Electronics I. (3) A.

Prerequisite: EET 257. Principles of timing, power control circuitry, transducers, and programmable controllers in commercial and industrial applications. 2 Lec/2 Lab.

EET 351 Programmable Logic Controllers.

(3) A. Prerequisite: EET 251 or 252. The study of programmable logic controllers (PLCs). PLC functioning theory, selection, wiring, and programming. 2 Lec/2 Lab.

EET 452 Electrical Power & Drives. (3) A.

Prerequisites: EET 257, MAT 120 or higher, and PHY 101. Principles of electromagnetic induction as applied to the generation, distribution, conversion, control, and measurement of electrical power. Analysis of the electronics used for electrical drives. Installation, programming and maintenance of digital drives. 2 Lec/2 Lab.

EHS—Environmental Health Science**Dr. Vonja Grabeel, Chair****EHS 225 African/African-American Health**

Issues. (3) I. Cross-listed as AFA 225. 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. Credit will not be awarded for both EHS 225 and AFA 225.

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 290 Seminar in Environmental

Health. (2) II. A. Prerequisite: departmental approval. Discussion and analysis of literature related to selected current environmental health problems.

EHS 300W Water Supplies and Waste Disposal.

(4) I, II. Prerequisite: EHS 280, BIO 320 or MLS 209 and MLS 211. 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 also discussed. Credit will not be awarded for students who have credit for EHS 300.

EHS 335 Hazardous and Solid Waste

Management. (3) II. Prerequisites: CHE 111, 111L and EHS 280; or departmental 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 discussed.

EHS 340 Industrial Hygiene. (3) I, II.

Prerequisites: BIO 111, CHE 111, 111L and EHS 280; or departmental 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 departmental 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. (.5-6) 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-N Cooperative Study:

Environmental Health Science. (.5-6) 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 & Environmental

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, 112L and EHS 280; or departmental 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 STA 215; or departmental 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: EHS 280 or departmental approval. A study of the health effects of food-borne disease, including an in-depth discussion of the physical, chemical, and biological contaminants that cause an estimated 76 million cases of food-borne illnesses annually in the U.S. An examination of the food processing and food service industry's failings and efforts to prevent food-borne illness will be the primary focus.

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 eight hours.

EHS 425 Environmental Health Program

Planning. (3) A. Prerequisites: EHS 280 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, 112L and EHS 280; or departmental 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 departmental approval. Corequisite: EHS 485. 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. (3) 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. Corequisite: EHS 460. 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.

EHS 510 Radiological Health (3) A. Provides the student with the principles of health effects from ionizing radiation, including radiation sources, detection, measurement, control, and safety devices. Student will be able to identify, evaluate and control radiation in the work environment; implement a radiation monitoring program; establish emergency plans for actions to be taken in event of radiological accident; develop risk assessment and communication program. Credit will not be awarded for both EHS 510 and 410.

EHS 530 Environmental Control of Disease Vectors. (3) II. Prerequisite: Senior Standing; BIO 111 and EHS 280. The student will acquire an understanding of the principles of identification, evaluation, and control of vectors, and vector borne diseases of public health concern including pesticides and their safe use.

ELE—Elementary Education
Dr. Ginni Fair, Chair

ELE 101 Creative Thinking Through Performance Arts. (3) I, II. Study of elementary music and movement activities/techniques. Perform, reflect, and implement essential age-appropriate musical instruction that highlights the importance of creative music making and the integration of the performing arts in other content areas.

ELE 102 Creative Thinking Through Visual Arts. (3) I, II. Study of elementary art and media techniques. Create, reflect, and implement essential age-appropriate art instruction that highlights the importance of art making and the integration of the visual and media arts in other content areas.

ELE 201 Practical Living (3) I, II. Explores personal wellness, nutrition, safety, psychomotor skills, and lifetime wellness for the elementary grades.

ELE 301 Mathematics Foundations P-5. (3) I, II. Prerequisites: Admission to professional education. MAT 107 or 114 with a grade of "C" or better. An overview of the mathematics state standards for teaching mathematics in grades K-5, and theories and research related to teaching and learning mathematics. Minimum of ten field hours are required.

ELE 302 Language Arts Foundations Grades P-5. (3) I, II. Prerequisite: Admission to professional education. An overview of the language arts, content and state standards for teaching the language arts, and theories and research related to teaching and learning the language arts. A minimum of 10 field hours are required.

ELE 311 Math Content, Pedagogy, & Assessment Grades K-1. (3) I, II. Prerequisites: MAT 112 College Algebra with a "C" or higher; Admission to professional education. An examination of early numeracy (K-1) and relevant content, standards, instructional practices, and assessments for learners at this developmental stage.

ELE 312 Language Arts Content, Pedagogy, and Assessment Grades K-1. (3) I, II. Prerequisites: ELE 302 with a minimum grade of "C"; admission to

professional education. An examination of emergent literacy and relevant content, standards, instructional practices, and assessments for learners at this developmental stage. A minimum of 10 field hours are required.

ELE 313 Social Studies Curriculum, Pedagogy, and Assessment: US History, Government, Economics (3) I, II. Prerequisite: Admission to professional education. This course teaches the content and pedagogical content knowledge in US History, Government, and Economics included in elementary state curricula and the Common Core State Standards.

ELE 314 Science Content, Pedagogy, and Assessment: Physical Sciences (1) I, II. Prerequisite: Admission to professional education. Co-requisite: CHE 100/PHY 102. Inquiry-based course focusing on content, pedagogy, assessment and materials for teaching physical science concepts in primary through grade five.

ELE 322 Physical Education in the Elementary School. (2) I, II. Prerequisite: EDF 203 with a "C" or higher or EDF 310 with an "S"; admission to professional education. 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. Prerequisite: EDF 203 with a "C" or higher or EDF 310 with an "S"; admission to professional education. 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. Prerequisite: EDF 203 with a "C" or higher or EDF 310 with an "S"; admission to professional education. 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. Prerequisite: EDF 203 with a "C" or higher or EDF 310 with an "S"; admission to professional education. 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 401 Math Content, Pedagogy, & Assessment Grades 2-3. (3) I, II. Prerequisites: MAT 112 with a minimum grade of "C"; Admission to professional education. An examination of Mathematics for Primary Grades 2-3 and relevant standards, instructional practices, and assessments for learners at this developmental stage. Minimum of ten field hours are required.

ELE 402 Language Arts Content, Pedagogy, and Assessment Grades 2-3. (3) I, II. Prerequisite: ELE 302 with a minimum grade of "C"; admission to professional education. An examination of beginning literacy and relevant content, standards, instructional practices, and assessments for learners at this developmental stage. A minimum of 10 field hours are required.

ELE 403 Social Studies Content, Pedagogy, and Assessment: US History, Government, and Civics (3) I, II. Prerequisite: Admission to professional education. An examination of relevant content, state academic standards, instructional practices, and assessments for US history government and civics for elementary P-5.

ELE 404 Science Content, Pedagogy, and Assessment: Earth and Space Sciences (1) I, II. Prerequisite: Admission to professional education. Corequisite: GLY 102. Inquiry-based course focusing on content, pedagogy, assessment, and materials for teaching earth and space science concepts in primary through grade five.

ELE 411 Math Content, Pedagogy, & Assessment Grades 4-6. (3) I, II. Prerequisites: MAT 112 with a minimum grade of "C"; Admission to professional education. An examination of Mathematics for grades 4-6 and relevant standards, instructional practices, and assessments for learners at this developmental stage. Minimum of ten field hours are required.

ELE 412 Language Arts Content, Pedagogy, and Assessment Grades 4-6. (3) I, II. Prerequisites: ELE 302 with a minimum grade of "C"; admission to professional education. An examination of fluent literacy and relevant content, standards, instructional practices, and assessments for learners at this developmental stage. A minimum of 10 field hours are required.

ELE 413 Social Studies Content, Pedagogy, and Assessment: World History, Cultures, and Economics (2) I, II. Prerequisite: Admission to professional education. An examination of relevant content, state academic standards, instructional practices, and assessments for world history, cultures and economics for elementary P-5.

ELE 414 Science Content, Pedagogy, and Assessment: Life Sciences. (1) I, II. Prerequisite: Admission to professional education, and CHE 100/PHY 102 or departmental approval. Corequisite: BIO 102. Inquiry-based course focusing on content, pedagogy, assessment, and materials for teaching life science concepts in primary through grade five.

ELE 420 Creative Thinking Lab; Integrated Arts (1) I, II. Corequisite: CED 450. Study of integrated elementary Arts Education. The course aims at defining, developing, and applying creative thinking skills as they relate to the integration of the Arts (art, music, drama, and dance) with other content areas (language arts, math, science, social studies, practical living, etc.) and state standards.

ELE 421 Advanced Math Pedagogy and Assessment. (2) I, II. Prerequisite: EDF 219, 413, EMS 490, ELE 301, 311, 401, 411 and MAT 112 with a grade of "C" or higher; admission to professional education. Corequisites: CED 450, ELE 422, 423, and SED 402. Methods and materials of teaching P-5 Mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving.

ELE 422 Advanced Language Arts Pedagogy and Assessment. (3) I, II. Prerequisites: EDF 219, 413, EMS 490, ELE 302, 312, 402, and 412 with a grade of "C" or higher; admission to professional education. Corequisites: CED 450, ELE 421, 423, and SED 402. Examination of advanced pedagogical skills for teaching language arts with an emphasis on assessing, diagnosing, prescribing, and monitoring for student learning, differentiated instruction, and teacher and student use of technology for instruction and assessment.

ELE 423 Advanced Social Studies Pedagogy and Assessment (2) I, II. Prerequisites: EDF 219, 413, EMS 490, ELE 313, and 403 with a minimum grade of "C" or higher. Corequisites: CED 450, ELE 421, 422, and SED 402. Examination of advanced pedagogical skills for teaching the social studies in grades P-5 with an emphasis on formative and summative assessment to monitor student learning, differentiated instruction, and teacher and student use of technology.

ELE 424 Advanced Science Pedagogy and Assessment (2) I, II. Prerequisites: EDF 219, 413, ELE 302, 312, 402, 412 and EMS 490 with a minimum grade of "C" or higher. Modern materials and methods for teaching inquiry-based science in primary through grade five.

ELE 445 Foundations of Reading/Language Arts. (3) I, II. Cross-listed as EMG 445. Prerequisites: junior standing; 2.75 GPA; and admission to professional education. Corequisite or Prerequisite: EDF 319, 319W, 219, or 219W. An overview of reading/language arts components P-5, teacher competencies, organization and planning for instruction. Twenty field/clinical hours. Credit will not be awarded to students who have credit for EMG 445, EMG 445W, ELE 445W, or ELE 302.

ELE 445W Foundations of Reading/Language Arts. (3) I, II. Cross-listed as EMG 445W. Prerequisites:

junior standing; 2.75 GPA; ENG 101 and 102, or HON 102 with a minimum grade of "C"; or ENG 105 with a minimum grade of "B"; admission to professional education. Corequisite or Prerequisite: EDF 319, 319W, 219, or 219W. An overview of reading/language arts components P-5, teacher competencies, organization and planning for instruction. Twenty hours of field/clinical experiences. Credit will not be awarded to students who have credit for EMG 445, EMG 445W, ELE 445, or ELE 302.

ELE 446 Reading and Language Arts P-5. (3) I, II. Prerequisites: EDF 319, EDF 413; ELE 490, ELE 445 or 445W with a grade of "C" or higher and admission to professional education. Prerequisite or Corequisite: SED 402. Corequisite: CED 450. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Credit will not be awarded to students who have received credit for ELE 446S and/or ELE 446W.

ELE 446S Reading and Language Arts P-5. (3) I, II. Prerequisites: EDF 319, EDF 413, ELE 445 or 445W, ELE 490 with a grade of "C" or higher; and admission to professional education. Corequisite: CED 450. Prerequisite or Corequisite: SED 402. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. A minimum of 15 service learning hours. Credit will not be awarded for both ELE 446S and ELE 446.

ELE 446W Reading and Language Arts P-5. (3) I, II. Prerequisites: EDF 319, EDF 413; ELE 445 or 445W, ELE 490 with a grade of "C" or higher and admission to professional education. Prerequisite or Corequisite: SED 402. Corequisite: CED 450. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Credit will not be awarded to students who have received credit for ELE 446 and/or ELE 446S.

ELE 475 Diagnosing & Remediating Reading Difficulties. (3) I, II. Prerequisites: SED 260 or ELE 302 or ELE 445. Corequisites: ELE 422 and CED 450. A study of the procedures for assessing and diagnosing reading difficulties, and implementing reading instruction to assist struggling readers in grades P-5. Embedded Field/Clinical Experiences: 40 hours

ELE 490 Classroom Management in the Elementary Grades P-5. (3) I, II. Prerequisite: EDF 319, EDF 413 and admission to professional education. Corequisite: EMS 349R. Critical examination of effective classroom management in grades P-5. Emphasis on theories, strategies, and applications through study, discussion, observation, and participation.

ELE 491 Mathematics in Elementary Grades P-5. (3) I, II. Prerequisites: EDF 319, EDF 413, ELE 490, MAT 202 with a minimum grade of "C"; admission to professional education. Prerequisite or Corequisite: SED 402. Corequisite: CED 450. Methods and materials of teaching P-5 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving.

ELE 492 Science in the Elementary Grades P-5. (3) I, II. Prerequisites: EDF 319, EDF 413, ELE 490, and admission to professional education. Prerequisite or Corequisite: SED 402. Corequisite: CED 450. Modern materials and methods for teaching science in primary through grade five. Five discussion-laboratory hours per week. Credit will not be awarded for both ELE 492 and 492S.

ELE 492S Science in the Elementary Grades P-5. (3) I, II. Prerequisites: EDF 319, EDF 413, ELE 490 and admission to professional education. Prerequisite or Corequisite: SED 402; CED 450. Modern materials and methods for teaching science in primary through grade five. A minimum of 15 service-learning hours. Credit will not be awarded for both ELE 492S and ELE 492.

ELE 493 Social Studies in Elementary Grades P-5. (3) I, II. Prerequisites: EDF 319, EDF 413, ELE 490 and admission to professional education. Prerequisite or Corequisite: SED 402. Corequisite: CED 450. Theory, content, and practice of teaching Social Studies in grades P-5.

ELE 507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departamental 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.

EMC—Emergency Medical Care
Ms. Nancye Davis, Chair

EMC 102 First Response Emergency Care. (2) I, II, A. Prerequisite or Corequisite: EMC 104. Emergency medical care techniques adhere to U.S. Department of Transportation curriculum for Emergency Medical Responder. 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 105 Survey of Medical Terminology. (1) A. Cross-listed with CHS 105. Independent study, modular design paced by class meetings includes work roots, prefixes, suffixes, and general medical terms. Credit will not be awarded to students who have previously taken CHS 105 and MAS 200.

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: departmental approval and Certified EMT-Basic. 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 300 Emergency Operations and

Behavioral Crisis (3) I, II, and A. Introduction to the emergency medical field. Topics include legal and ethical issues; infection control; disaster preparedness; and recognition and care of patients with behavioral emergencies. Credit will not be awarded to students who have credit for EMC 200 or EMC 215.

EMC 303 Introduction to Cardiology. (3) I, II and A. Introduction to prehospital electrocardiography and use and classification of pharmacological agents. Credit not awarded to students who have received credit for EMC 225 and EMC 240.

EMC 305 Prehospital Management of OB/GYN/Pediatric Emergencies (3) I, II and A. Pathophysiology and advanced level assessment and management of OB, GYN, and pediatric patients. Credit will not be awarded to students who have received credit for EMC 205.

EMC 310 Advanced Cardiology. (3) II, A. Prerequisites and/or corequisites: EMC 303 and 335; or departmental approval. Advanced diagnostics, interventions, and management of cardiovascular emergencies to include cardiac resuscitation adhering to the standards of the American Heart Association. AHA ACLS Provider required for course completion. 2 Lec/ 2 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 336 Case Management I. (1) I, II, A. Prerequisite or Corequisite: EMC 335 and 342 or department approval. Hands-on advanced case management of medical and trauma emergencies using low and high-fidelity patient care simulation.

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 341 Case Management 2. (1) I, II, A. Corequisite: EMC 340 and 352 or department approval. Advanced case management of medical and trauma emergencies requiring critical thinking, oral critical thinking, practical and didactic assessment. May be retaken up to two hours.

EMC 342 Advanced Clinical I. (3) I, A. Corequisite: EMC 335 and EMC 342L. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

EMC 342L Advanced Clinical I Lab (0) Corequisite: EMC 335 and EMC 342. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital setting.

EMC 349 A-N Cooperative Study: Emergency Medical Care. (5-8) 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 and EMC 352L. 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 352L Advanced Clinical I Lab (0)

Pre-requisite: EMC 342 and 342L. Corequisite: EMC 340 and EMC 352. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making and critical thinking skills in clinical situations 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 200, 205, 215, 360. Continuation of supervised experience on advanced life support ambulance. Assumes team member role with progression to team leader. Minimum advanced internship experience requires 75 ALS Contacts.

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 389 Special Topics: _____ (1 – 3) I, II, A.

Prerequisite or Corequisite: EMC 320, 335 and 342 or departmental approval. Development and presentation of research in contemporary methods, techniques, practices, and devices in the field. May be retaken under different topics to a maximum of 12 hours.

EMC 400 Emergency Care Systems

Management. (3) I, II, A. Prerequisite: ENG 300 or FSE 200. EMS systems design and typical agency divisions, including operations, communications, training and customer service. Projects focus on system design, training and efficiency.

EMC 420 Emergency Services Design and

Budget. (3) A. Prerequisite or corequisite: ENG 300 or FSE 200 or departmental approval. Identify and compare issues with staffing, operations, communications, training and mission with various EMS systems models. Develop and revise sample budgets for EMS systems.

EMC 430 Legal and Ethical Aspects of

Emergency Services. (3) A. Prerequisite: departmental approval. Examine and apply moral and ethical decisions made in emergency services. Issues of diversity, expanded health care settings, aging population, and others will be explored.

EMC 430W Legal and Ethical Aspects of

Emergency Services. (3) A. Prerequisite: departmental approval. Examine and apply moral and ethical decisions made in emergency services. Issues of diversity, expanded health care settings, aging population, and others will be explored. Credit will not be awarded for both EMC 430W and EMC 430.

EMC 440 EMS Instruction. (3) A.

Prerequisite: departmental approval. Introduction to the principles involved in EMS adult learning. Roles issues, domains of learning, and instruction models will be emphasized. Organization and planning for the EMS community including diverse learning populations and regulations.

EMC 450 Disaster Medical Operations. (3) A.

Emergency medical communications, cooperation and support in response to a natural or human-made disaster. Planning, delivery and recovery of medical systems by various local, state and federal agencies and the private

sector.

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.

EMC 489 Introduction to Research Methods.

(3) A. Prerequisites: ENG 300 or FSE 300, and FSE 200. Introduction to basic research methods for professionals in emergency services and public agency practitioners and educators. This includes foundational principles of statistical analyses and application, as well as human subjects protections.

EME—Elementary and Middle Grade

Dr. Ginni Fair, Chair

EME 301 Mathematical Concepts for P-9

III. (3) I, II. Cross-listed as MAE 302. Prerequisites: Admission to professional education; MAT 112 or higher and MAE 202 each with a grade of “C” or better. Concepts beyond algorithmic computation are emphasized. Topics include algebraic thinking, basic algebra topics (i.e. variables, expressions, equations, graphs and linear problems solving) and geometry. Credit will not be awarded to students who have credit for MAE 302.

EME 313 Interdisciplinary Approach

to Social Studies Teaching. (3) I, II. Prerequisite: Admission to professional education. World history, economics, geography, anthropology and sociology content in an interdisciplinary context and researched instructional strategies appropriate for the K-8 classroom. Credit will not be awarded to students who have credit for ELE 313.

EME 361 Teaching Art P-8. (3) I.

Prerequisites: Major in art; admission to professional education, EDF 319. Corequisite: EMS 349Q. Developmentally appropriate curriculum, materials, and methods for the P-8 Art program. Minimum of 20 field/clinical hours. Credit will not be awarded for both EME 361 and AED 361.

EME 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.

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 452 Teaching Grammar and

Punctuation P-8 (3) I, II. Prerequisite: ENG 101 and 102, or ENG 105 with a grade of “B” or higher or HON 102. Prerequisite/corequisite: ELE 302, SED 260, or EMG 445. Review, practice and reflect on research-based instructional approaches to instruction and develop instructional plans to improve elementary and middle grades students’ use of standard written and oral English. Credit will not be awarded to students who have credit for EME 552.

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 551 Linguistics in the Curriculum. (3)

A. Prerequisite: admission to professional education. 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.

EMG—Middle Grade Education

Dr. Ginni Fair, Chair

EMG 349 Applied Learning: Middle School

Teaching. (1) I. Corequisite: EMG 447. Collaborate with teachers in middle level classroom(s) and assist with instructional planning and teaching. Minimum of 80 hours field experience required.

EMG 430 Middle Grade Curriculum. (3) I, II.

Prerequisites: admission to professional education, EDF 319 with a “C” or higher. Corequisite: EMS 349R. An examination of the curriculum and the responsibilities of teaching in the middle grade.

EMG 445 Foundations of Reading/Language

Arts. (3) I, II. Cross-listed as ELE 445. Prerequisites: junior standing, 2.75 GPA; admission to professional education program. Prerequisite/Corequisite: EDF 319, 319W, 219, or 219W. 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 445W, ELE 445W, or ELE 302.

EMG 445W Foundations of Reading/

Language Arts. (3) I, II. Cross-listed as ELE 445W. Prerequisites: junior standing, 2.75 GPA, ENG 101 and 102, or HON 102 with a grade of “C” or better, or ENG 105 with a grade of “B” or better; admission to professional education program. Prerequisite/corequisite: EDF 319, 319W, 219, or 219W. 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 445W, ELE 445, EMG 445, or ELE 302.

EMG 447 Reading/Language Arts in the

Middle Grades. (3) I. Prerequisites: EMG 445 or 445W, EDF 319 or 319W and admission to professional education. Prerequisite or Corequisite: EDF 413. Corequisite: CED 450. 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: EDF 319 or 319W, EDF 413, EMG 430 and admission to professional education and mathematics emphasis. Corequisite: CED 450. Appropriate materials and methods for teaching mathematics in the middle grades.

EMG 492 Science in the Middle Grades. (3)

I, A. Prerequisites: EDF 319 or 319W, EDF 413, EMG 430 and admission to professional education and science emphasis. Corequisite: CED 450. Introduces prospective teachers to the modern materials and methods of teaching science in the middle grades.

EMG 493 Social Studies in the Middle

Grades. (3) I, A. Prerequisites: EDF 319 or 319W, EDF 413, EMG 430 and admission to professional education and social studies emphasis. Corequisite: CED 450. Appropriate materials and methods for teaching social studies in the middle grades.

EMG 494 English and Communication in the

Middle Grades. (3) I, A. Prerequisites: EDF 319 or 319W, EDF 413, EMG 430 and admission to professional education and English emphasis. Corequisite: CED 450. Study of effective teaching techniques, strategies and materials for middle grade English/communication skills. Credit will not be awarded for both EMG 494 and EMG 494W.

EMG 494W English and Communication

in the Middle Grades. (3) I, A. Prerequisites: EDF 319 or 319W, 219 or 219W, EDF 413, EMG 430 and admission to professional education and English emphasis; Grade of “C” or higher in ENG 101 and 102, or HON 102; or ENG 105 with a grade of “B” or higher. Corequisite: CED 450. Study of effective teaching techniques, strategies and materials for middle grade English/communication skills. Credit will not be awarded for both EMG 494 and 494W.

EMG 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.

EMG 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.

EMS—Elementary, Middle Grade, and Secondary Education
Dr. Ginni Fair, Chair

EMS 200 Exploring Africa Through Play. (3) I, II. Cross-listed as AFA 200. Prerequisite: ENG 102. An exploration of the diversity of Sub-Saharan Africa through an immersion in pre-Colonial children's songs and games. The course aims at developing a deeper understanding and sensitivity to cultural diversity in Africa. Credit will not be awarded for both EMS 200 and AFA 200. Gen. Ed. E-6.

EMS 300W Curriculum and Instructional Design (1-3). Pre-requisites: ENG 101 and 102, or ENG 105 with a grade of "B" or higher, EDF 203, 219 or 219W and admission to Professional Education. Co-requisite: CED 300. In-depth review of national and state curriculum, balanced assessment, and effective teaching strategies for birth–12. Backward design will be used to plan instruction. Methods and materials related to student's academic emphases will be stressed. (Course embedded and school-based clinical practice required).

EMS 431 Language Arts Content, Pedagogy, and Assessment Grades 6-8. (3) I, III. Prerequisites: ELE 302 with a minimum grade of "C"; admission to professional education. An examination of adolescent literacy and relevant content, standards, instructional practices, and assessments for learners at this developmental stage. A minimum of 10 field hours are required.

EMS 432 Language Arts Content, Pedagogy, and Assessment Grades 9-12. (3) I, III. Prerequisites: ELE 302 with a minimum grade of "C"; admission to professional education. An examination of adolescent literacy and relevant content, standards, instructional practices, and assessments for learners at this developmental stage. A minimum of 10 field hours are required.

EMS 474 Disciplinary Literacy. (3) A. Prerequisites: Admission to professional education. Corequisite: CED 450, 499 or department approval. Emphasis on development of disciplinary literacy competencies, selection of appropriate materials, instructional strategies and assessment. Requires 20 hours of embedded clinical experiences.

EMS 490 Classroom & Behavior Management P-12 (1-3). I, II. Prerequisite: EDF 219 or 219W or 319 or 319W; EMS 300W, and Admission to Professional Education. Corequisites: EDF 413 and CED 400. Critical analysis of the components of an effective classroom environment including establishing rules, procedures and routines and organizing space. Emphasis on strategies to assess, diagnosis, prescribe and monitor individual student behavior to support achievement.

EMS 564S Service Learning as Pedagogy. (3) A. Cross-listed as ENV 564S. Prerequisites: Junior-level standing, ENG 102 or ENG 105(B) or HON 102, and MAT 105, or departmental approval. Classroom service learning strategies and techniques will be modeled. Discussion about practical application and reflection on class activities will follow. An environmental service learning project will be planned and carried out during the course. Credit will only be awarded for either EMS 564S or ENV 564S.

EMS 561 Environmental Education Essentials. (3) A. Cross-listed as ENV 561. Prerequisites: Junior-level standing, ENG 102 or ENG 105(B) or HON 102, and MAT 105, or departmental approval. This course delves into the philosophy, historical development, resource identification, and curriculum development of environmental education.

Credit will only be awarded for either EMS 561 or ENV 561.

EMS 563 Teaching Environmental Education (3)SUMMER ONLY. Appropriate methods and materials for effective environmental education in a variety of settings. Credit will not be awarded for both EMS 563 and EMS 763.

EMS 565S Teaching in the Outdoors (3) SUMMER ONLY. Formerly EMS 864S. Basic principles of outdoor teaching will be combined with outdoor skills and an environmental service learning investigation. Due to its content, this will be taught in workshop format during the summer semester. Credit will not be awarded to students who have credit for EMS 765S or 864S.

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.

EMS 576 Assessment Methods for ELLs (3) (II). Prerequisite: EDF 413 This course is designed to examine the major principles and methods of assessment for English Language Learners, including standardized testing, classroom-based performance, and alternative assessment. Sociocultural issues related to assessment will also be explored. (20 hours of clinical experience required). Credit will not be awarded to students who have credit for EMS 776.

EMS 577 Cultural Competency with ELLs (3) (II). The purpose of this course is to help educators develop awareness of the implications of cultural and linguistic diversity for school success as well as effective techniques for collaborating with immigrant students and families. Credit will not be awarded to students who have credit for EMS 777.

ENG—English and Theatre
Dr. James Keller, Chair

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 095R Introduction to Reading, Writing, and Rhetoric. (3) I, II. Prerequisite: ENG 090 or ACT English and Reading sub-scores of 15 or 16. Focuses on critical reading and academic writing. Provides strategies for comprehending and analyzing source material and integrating sources with written work, with an emphasis on thesis development, organization, voice and style.

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 Reading, Writing and Rhetoric. (3) I, II. Prerequisite: ENG 095 or ENG 095R or ACT English subscore of 18 or higher. A writing course developing critical reading skills while integrating and responding to varied sources; composing texts including summaries, analyses, evaluations, responses, and arguments; emphasizing style, organization, coherence, purpose, and persuasion for different audiences. Credit will not be awarded to students who have credit for 101R. Gen. Ed. E-1A [WC].

ENG 101R Reading, Writing and Rhetoric (Supported) (4) I, II. Prerequisite: ACT score of 17 on English and 17-19 on Reading. Additionally, students with an English ACT score of 18 or higher will be placed in ENG 101R if their ACT Reading score is 15-19. A writing course developing critical reading skills while integrating and responding to varied sources; composing texts including summaries, analyses, evaluations, responses, and arguments; emphasizing style, organization, coherence, purpose, and persuasion for different audiences. Students are required to meet 1

hour per week outside of classtime with a Writing Fellow. Students who fail the class will retake ENG 101R. Credit will not be awarded to students who have credit for ENG 101. Gen. Ed. E-1A [WC].

ENG 102 Research, Writing and Rhetoric. (3) I, II. Prerequisite: ENG 101 with a minimum grade of "C" (or equivalent). A writing course refining components of ENG 101 studying information sources and research methods; accessing, critically reading, evaluating, integrating, and documenting primary and secondary sources; utilizing information technology for inquiry, analysis, and argumentation. Gen. Ed. E-1B [WG].

ENG 105 First Year Writing Seminar. (3, 6) I, II. Prerequisite: ACT English subscore of 28 or SAT verbal score of 660 or above. Accelerated writing course, critical reading and rhetorical approaches for various purposes and audiences. Students will access, evaluate, integrate, and document primary and secondary sources while utilizing information technology for inquiry, analysis, and argumentation. 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. E-1A [WC].

ENG 110 Introduction to Literature. (3) I, II. Prerequisite: completion of developmental reading and writing requirements. Developing reading strategies to better engage with and appreciate a range of literary texts from a variety of cultures and historical periods. Gen. Ed. E-3B [AH].

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 208W Literature and the Environment. (3) A. Cross-listed as ENV 208W. Prerequisite: ENG 102 or 105 (B) or HON 102. Writing-intensive study of the human-environmental connection as expressed in literature, including attention to environmental sustainability and personal responsibility to the natural world within larger social and ethical values. Credit will not be awarded for both ENG 208W and ENV 208W. Gen. Ed. E-3B [AH].

ENG 210 Enjoying Literature. (3) I, II. Prerequisite: ENG 102 or 105 or HON 102. Understanding and enjoying the distinctive aesthetic qualities, forms and meanings of literary works within ethical and cultural contexts. Credit will not be awarded for both ENG 210 and 210W. Gen. Ed. E-3B [AH].

ENG 210W Enjoying Literature. (3) I, II. Prerequisite: ENG 102 or 105 (B) or HON 102. Understanding and enjoying the distinctive aesthetic qualities, forms and meanings of literary works within ethical and cultural contexts. Credit will not be awarded for both ENG 210 and 210W. Gen. Ed. E-3B [AH].

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. Credit will not be awarded for both ENG 211 and 211W. Gen. Ed. E-3B [AH].

ENG 211W Survey of World Literature I. (3) I, II. Prerequisite: ENG 102 or 105(B) or HON 102. Selected readings from masterpieces of world literature from ancient times through the Renaissance. Credit will not be awarded for both ENG 211 and 211W. Gen. Ed. E-3B [AH].

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. Credit will not be awarded for both ENG 212 and 212W. Gen. Ed. E-3B [AH].

ENG 212W World Literature II. (3) I, II. Prerequisite: ENG 102 or 105 (B) or HON 102. Selected readings from masterpieces of world literature from the 17th century to the present. Credit will not be awarded for both ENG 212 and 212W. Gen. Ed. E-3B [AH].

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. Credit will not be awarded for both ENG 300 and 300S.

ENG 300S Intro to Tech/Prof Writing. (3) A. Prerequisite: ENG 102 or 105 (B) 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. Students will work on writing projects with schools or other non-profit organizations. Credit will not be awarded for both ENG 300 and ENG 300S.

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 303 Advanced Composition for Teachers. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Develops students as writers and as teachers of writing through experiences in writing workshop, portfolio assessment, teaching strategies for writing, and career-oriented inquiry in theoretical context. Credit will not be awarded for both ENG 303 and ENG 301.

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 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 310 Introduction to English Studies (3) A. Prerequisites: ENG 102 or 105(B), or HON 102. Introduces students to broad areas of English as a discipline: literature, composition and rhetoric, creative writing, and technical writing. Course will culminate in a final research project. Credit will not be awarded to students who have credit for ENG 302.

ENG 311 Early British Literature Survey (3) A. Prerequisites: ENG 102 or 105(B), or HON 102. A study of selected significant texts, genres, historical trends, and cultural influences in British literature from its beginnings to the 17th century. Credit will not be awarded to students who have credit for ENG 352.

ENG 312 British and American Literature Survey I (3) A. Prerequisites: ENG 102 or 105(B), or HON 102. A study of selected significant texts, genres, historical trends, and cultural influences in British and U.S. literature in English from the 17th to the 19th centuries.

ENG 313 British and American Literature Survey II (3) A. Prerequisites: ENG 102 or 105 (B), or HON 102. A study of selected significant texts, genres, historical trends, and cultural influences in British and U.S. literature in English from the 19th century to the present.

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(B) or HON 102. Study of representative modern plays from Ibsen to the present. Credit will not be awarded for both ENG 335W and ENG 335 Gen. Ed. E-3A [AH].

ENG 335W Modern Drama (3) A. Prerequisite: ENG 102 or 105 (B) or HON 102. Study of representative modern plays from Ibsen to the present.

Credit will not be awarded for both ENG 335W and ENG 335. Gen. Ed. E-3A [AH].

ENG 337 The Bible as Literature. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. Study of selected stories and poetry from the Bible 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 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 for both ENG 345 and COM 345.

ENG 346 Fantasy Literature. (3) A. Prerequisite: ENG 102, 105(B), or HON 102. A study of selected works of fantasy from the nineteenth century to the present. May include study of subgenres such as kunstmärchen, epic fantasy, "weird" fiction, dark fantasy/horror and magical realism.

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. (5-8) 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-N Cooperative Study: English. (5-8) 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. Credit will not be awarded for both ENG 351 and ENG 351W.

ENG 351W American Literature II. (3) I, II. Prerequisite: ENG 102 or 105 (B) or HON 102. A study of selected works by representative authors reflecting the chronological development of American literature from 1865 to the present. Credit will not be awarded for both ENG 351W and ENG 351.

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(B) 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. Credit will not be awarded for both ENG 353 and 353W.

ENG 353W English Literature II. (3) I, II. Prerequisite: ENG 102 or 105(B) 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. Credit will not be awarded for both ENG 353W and ENG 353.

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 360 Literatures of Africa. (3) A. Cross-listed as AFA 360. Prerequisite: ENG 102, 105 (B), or HON 102. Survey of the genres and components of African literature, oral and written; study of how key concepts in African thought, culture and experiences are reflected in the literatures composed by writers from Africa or of African origin. Credit will not be awarded for both ENG 360 and AFA 360. Gen. Ed. E-6 [GE].

ENG 361 African-American Literature. (3) A. Cross-listed as AFA 361. Prerequisite: ENG 102, 105 (B), or HON 102. Survey of selected works of African-American literary traditions. Credit will not be awarded to students who have credit for AFA 361 or ENG 342. Gen. Ed. E-6 [GE].

ENG 362 North American Native Literature. (3) A. Prerequisite: ENG 102, 105 (B), or HON 102. A study of representative literature written by North American Native authors. Gen. Ed. E-6 [GE].

ENG 363 Latin American/Latino Literature. (3) A. Prerequisites: ENG 102 or 105 (B) or HON 102. Survey of Latin American literature in translation and selected works by Latina/o writers. Gen. Ed. E-6 [GE].

ENG 364 Women's Literature. (3) A. Cross-listed as WGS 364. Prerequisite: ENG 102 or 105 (B) or HON 102. Study of selected literature by women writers from varying cultures, genres, and periods. Credit will not be awarded to students who have credit for WGS 364 or ENG 535. Gen. Ed. E-6 [GE].

ENG 365 Appalachian Literature. (3) I. Cross-listed as APP 365. Prerequisite: ENG 102 or 105(B) or HON 102. Study of selected Appalachian artists, with emphasis on interdisciplinary, cultural, and aesthetic concerns raised in works by writers such as Arnow, Berry, and Still. Credit will not be awarded to students who have credit for ENG 365W, APP 365 or 365W. Gen. Ed. E-3B and E-6 [AH][GE].

ENG 365W Appalachian Literature. (3) I. Cross-listed as APP 365W. Prerequisite: ENG 102 or 105(B) or HON 102. Writing-intensive study of selected Appalachian artists, with emphasis on interdisciplinary, cultural, and aesthetic concerns raised in works by writers such as Arnow, Berry, and Still. Credit will not be awarded to students who have credit for ENG 365, APP 365 or APP 365W. Gen. Ed. E-3B and E-6 [AH][GE].

ENG 366 Queer Theory and Literatures. (3) A. Prerequisite: Cross-listed as WGS 366. ENG 102 or 105 (B) or HON 102. Examination of trends in Queer Theory; study of major contributors to the field such as Foucault, Butler, and Sedgwick; application of theoretical models to literary and cinematic texts. Credit will not be awarded to students who have credit for WGS 366. Gen. Ed. E-6 [GE].

ENG 367 African Caribbean Literatures. (3) A. Prerequisites: ENG 102 or 105 (B) or HON 102. Cross-listed as AFA 367. A study of selected literatures written by Caribbean writers of African descent. Credit will not be awarded for both AFA 367 and ENG 367. Gen. Ed. E-6 [GE].

ENG 374 Shakespeare at War. (3) A. Prerequisite: ENG 102 or 105 (B) or HON 102. An exploration of the causes and consequences of war in a selection of Shakespeare's plays. Students will also examine how political power is gained, kept, and lost through warfare in these plays.

ENG 386W War & Peace in Lit Since 1900. (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102. An exploration of themes of war and peace in literature since 1900, structured chronologically, beginning with World War I and moving into the contemporary world.

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 Critical Theory & Research Methods. (3) A. Prerequisite: ENG 310. 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. Prerequisite: ENG 310. An introductory course surveying theories of composition and applying these theories to the instruction of composition.

ENG 406 Topics in Creative Writing: _____. (3) A. Prerequisite: ENG 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 407 Poetry Writing Workshop. (3) A. Prerequisite: ENG 306. Advanced study in the techniques of writing poetry.

ENG 408 Advanced Fiction Workshop. (3) A. Prerequisite: ENG 306. Advanced writing workshop in fiction, with supplementary reading in genre. Weekly writing and critiques of student work. Analysis of the writing market.

ENG 409 Creative Nonfiction Workshop. (3) A. Prerequisite: ENG 306 or departmental approval. Theory, models, and advanced practice in such areas as autobiographical writing, the personal essay, "on assignment" research projects, and interviewing techniques.

ENG 410 Grammar, Traditional and Modern. (3) A. Prerequisite: ENG 102 or 105(B) 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 102 or 105(B) or HON 102. 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. Prerequisite: ENG 310 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. Prerequisite: ENG 310 or departmental approval. A survey of literature for young adults intended for Secondary English Teaching majors. Critical approaches will be applied to contemporary and significant early texts. Pedagogical approaches will be modeled.

ENG 452 American Romanticism. (3) A. Prerequisite: ENG 310 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 310 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 American Fiction Since 1900. (3) A. Prerequisites: ENG 310 or departmental approval. Survey of representative American novels and short stories of the twentieth and twenty-first centuries.

ENG 470 Chaucer and His Age. (3) A. Prerequisites: ENG 310 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 310 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 310 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 310 or departmental approval. A study of Milton's works, Cavalier and Metaphysical Poetry, the masque, and prose of the period.

ENG 478 Restoration and Eighteenth Century Literature (3) A. Prerequisites: ENG 310 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 310 or departmental approval. Survey of British poetry, essays, and fiction of the Romantic period.

ENG 482 Victorian Literature. (3) A. Prerequisites: ENG 310 or departmental approval. Survey of British poetry, essays, and fiction of the Victorian period.

ENG 485 British Fiction Since 1900. (3) A. Prerequisites: ENG 310 or departmental approval. Survey of representative British novels and short stories of the twentieth and twenty-first centuries.

ENG 490 Creative Writing Capstone. (3) I, II. Prerequisites: ENG 306 and at least 3 credit hours in the following courses: ENG 406, 407, 408, 409, 502, 503, 504. Portfolio creation, assessment, and career guidance.

ENG 491 Technical Writing Capstone. (3) I, II. Prerequisites: ENG 300 and junior status. Provides professional technical writing experience by placing students in appropriate positions with area businesses and industries.

ENG 492 English Literature Capstone. (3) A. Prerequisites: senior status. A review of literary figures, periods, and concepts. Study of techniques of literary criticism and/or theory, major revision of an analytical paper. Discussion of graduate school and career options in the major.

ENG 495 Independent Study. (1-3) A. Prerequisites: ENG 310 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 500 Topics in Professional Writing: _____. (3) A. Prerequisites: ENG 310 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.

ENG 502 Advanced Creative Writing. (3) A. Prerequisites: ENG 310 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 310 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 504 Creative Writing Mentorship. (2) SUMMER ONLY. Prerequisite/Corequisite: ENG 503. Corresponding with instructor online and in conference, students will continue to develop projects begun in ENG 503.

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. Prerequisite: ENG 102 or 105(B) or HON 102 or departmental approval. 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 310 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 550 Topics in Literature: _____. (3) A. Prerequisites: ENG 310 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. James Keller, 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 Academic Literacy and Learning. (3) I, II. Prerequisite: completion of all ENR developmental requirements and 59 hours or fewer. Provides practice in critical reading of arts and humanities texts. Students examine ways that writers express culturally relevant themes and concepts in various genres. Emphasis on strategic reading, writing, and learning practices.

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 will not be awarded for both ENR 115 and ENR 112.

**ENV—Environmental Sustainability and Stewardship
Dr. Alice Jones, Director**

ENV 200 The Sustainable Global Future. (3) A. Introduces environmental sustainability, and explores environmental interconnections among ecosystems, societies, and economies in an era of global change. Topics include living within ecosystems limits, social equity & justice, technical, scientific, governmental, and individual strategies forstoring sustainability. Gen. Ed. E-5B [SB].

ENV 208W Literature and the Environment. (3) A. Cross-listed as ENG 208W. Prerequisite: ENG 102 or 105 (B) or HON 102. Writing intensive study of the human-environmental connection as expressed in literature, including attention to environmental sustainability and personal responsibility to the natural world within larger social and ethical values. Credit will not be awarded to students who have credit for ENV 208 or ENG 208W: Enjoying Literature. Gen Ed E-3B.

ENV 302 Global Environmental Problems (3) A. Cross-listed as GEO 302. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B) or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded for both GEO 302 and ENV 302.

ENV 303 Environmental Geoscience. (3) A. Cross-listed as GLY 303. Prerequisite: GLY 102, 104, 107, 108, or 109; or GEO 100, 210, or 220; or departmental approval. Investigation of the Earth as a complex set of interconnected systems that cycle elements, water, and earth materials over geologic and human time scales. The course emphasizes global environmental changes that occur on the planet because

of human actions. Credit will not be awarded for both GLY 303 and ENV 303.

ENV 317 Conservation of Wildlife Resources. (3) I, II. Cross-listed as WLD 317. Prerequisite: ENG 102 or 105 (B) or HON 102. 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 BIO or WLD area, major, or minor requirements. Credit will not be awarded to students who have credit for WLD 317.

ENV 319 Renewable and Sustainable Energy Systems (3) II. Cross-listed as AGR 319. Prerequisite: ENG 102 or ENG 105(B) or HON 102; and MAT 105 or higher. Principles of energy and how those needs can potentially be met in the future will be discussed. Comparisons of existing energy sources (fossil fuels, nuclear power) with renewable sources (biomass, solar, and tidal). Credit will not be awarded for both AGR 319 and ENV 319.

ENV 325 Environmental Land Use Planning (3) A. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded to students who have credit for GEO 325S, GEO 325 or ENV 325S.

ENV 325S Environmental Land Use Planning. (3) A. Cross-listed as GEO 325S. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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 scale. Credit will not be awarded to students who have credit for GEO 325, 325S, or ENV 325.

ENV 340 Environmental Economics. (3) A. Cross-listed as APP 340 and ECO 340. 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. Credit will only be awarded for ENV 340, or APP 340, or ECO 340.

ENV 341 Conservation of Agricultural Resources. (3) A. Cross-listed as AGR 340. Prerequisite: any ENV or AGR course and Junior Standing. 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. Credit will not be awarded for both AGR 340 and ENV 341.

ENV 349 Applied Learning: Sustainability. (0.5-8) A. Prerequisite: 2.25 GPA and departmental approval. Work experience directly related to ENV minor. Minimum 80 hours work for each credit hour. Repeatable to 16 credit hours, only 3 of which can count toward minor.

ENV 349 A-N Applied Sustainability Co-op. (0.5-8) A. Prerequisite: 2.25 GPA and departmental approval required. Work experience directly related to ENV minor. Minimum 80 hours work for each credit hour. Repeatable to 16 credit hours, only 3 of which can count toward minor.

ENV 350 Special Topics in ENV: ____ (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102 and departmental approval. Specialized study in selected topics related to environmental sustainability and stewardship. May be taken for a maximum of 12 credit hours provided subject matter differs each time.

ENV 385 Environmental Ethics. (3) A. Cross-listed as PHI 385. Prerequisites: ENG 102 or ENG 105(B) or HON 102. An examination of historical and contemporary views of the values and rights of nature. Possible topics include animal rights, conservationism,

the land ethic, stewardship, deep ecology, ecofeminism, and indigenous approaches to the environment. Credit will not be awarded for both ENV 385 and PHI 385.

ENV 430 Sustainability in Appalachia. (3) A. Cross-listed as APP 430 and GEO 430. Prerequisites: GEO 100, 110, 210, or 220; ENG 102 or ENG 105(B) or HON 102, and MAT 105 or higher, or departmental approval. 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. Credit will not be awarded to students who have credit for GEO 430 or APP 430.

ENV 435 Biogeography 3 (A). Cross-listed as GEO 435. Prerequisites: ENG 102 or ENG 105(B) or HON 102; and MAT 105 or higher, or departmental approval. Study of plant and animal distributions and the nature of earth's major terrestrial biomes, with an emphasis on formulating sound spatial hypotheses to explain the variety and everchanging geographic ranges of living organisms. Credit will not be awarded for both GEO 435 and ENV 435.

ENV 450 Advanced Topics in ENV: ____ (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102 and departmental approval. Specialized advanced study in selected topics related to environmental sustainability and stewardship. May be retaken for a maximum of 6 credit hours provided subject matter differs each time.

ENV 498 Independent Study (1-3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102 and 6 hours completed towards minor. Supervised study in environmental sustainability and stewardship. Independent Study proposal must be approved by faculty supervisor and ENV coordinator prior to enrollment. Repeatable to 6 hours.

ENV 500 Environmental Issues. (3) II. Cross-listed as BIO 500. Prerequisite: Senior standing; BIO 100 (grade of C or better), 102 (grade of C or better), or 112 (grade of C or better). Students will learn to identify, investigate and evaluate environmental issues as well as plan appropriate action based on their analysis. Credit will not be awarded to students who have credit for BIO 500.

ENV 590 Ecology for Teachers (3) I. Cross-listed as BIO 590. Prerequisite: Junior and Senior standing required; BIO 100 (grade of C or better), 102 (grade of C or better), or 112 (grade of C or better). This course introduces ecology and the environment through an interdisciplinary approach beginning with the physical environment progressing to whole ecosystems and onto analyses of ecological sustainability. Classroom strategies and techniques will be modeled. Credit will not be awarded to students who have credit for BIO 590.

ESE—Secondary Education
Dr. Ginni Fair, 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 490 Secondary Curriculum, Classroom Organization and Management. (3) II. Prerequisites: EDF 319 or 319W admission to professional education. Corequisite: EMS 349R. Emphasis on questions and problems encountered in secondary teaching including classroom management, state and national curriculum trends, and legal issues.

ESE 507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminars.

ESE 540 Teaching Art in the Secondary P-12 Schools. (3) I. Cross-listed as AED 540. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: CED 450. Developmentally appropriate materials and methods for teaching art in the secondary schools grades P-12. Minimum of 40 field/clinical hours. Credit will not be awarded for both ESE 540 and AED 540.

ESE 543 Teaching of Language Arts in the Secondary School. (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: CED 450.

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 with a minimum grade of "C", admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: CED 450. 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. Cross-listed as MAE 550. Prerequisites: EDF 319 with a minimum grade of "C", admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: CED 450.

Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Minimum of 40 field/clinical hours. Credit will not be awarded for both ESE 550 and MAE 550.

ESE 552 Teaching of Career and Technical Education in Middle and Secondary Schools. (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: CTE 363, EDF 413, SED 402. Corequisite: CED 450. 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: Family and Consumer Science Education major, education core, and admission to professional education program. Corequisite: CED 450. 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 561 Teaching Science in the Secondary School. (3) I. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413 and SED 402. Corequisite: CED 450. Developmentally appropriate materials and methods for teaching science in secondary schools. 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: PHE 575, PHE 562. Corequisite: CED 450. 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 402. Corequisite: CED 450. Developmentally appropriate materials and methods for teaching business education. Minimum of 40 field/clinical hours.

ESE 574 Teaching Reading in the Secondary School. (1-3) 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) I. Prerequisite: EDF 319, admission to professional education. Corequisite: CED 450. 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 with a minimum grade of "C", admission to professional education. Pre/Corequisites: EDF 413, SED 402. Corequisite: CED 450. Developmentally appropriate materials and methods for teaching health education in secondary schools. Minimum of 40 field/clinical hours.

FCC—Foreign Culture and Civilization**Dr. Abbey Poffenberger, 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. E-3B [AH].

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. E-3B [AH].

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. E-3B [AH].

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. E-3B [AH].

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. E-3B [AH].

FCS—Family and Consumer Sciences**Dr. Dana Bush, Chair****FCS 320 Family Housing and Design. (3)**

I. 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 330B Field Experience in CDF. (1-8) A.

Prerequisites: department approval and 2.0 institutional GPA. Supervised work experience in department approved organization. A minimum of 80 hours work required for each academic credit. May be taken to a maximum of 8 hours.

FCS 349 Applied Learning in Family and Consumer Sciences. (5-8) 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-N Cooperative Study: Family and Consumer Sciences. (5-8) 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 400W 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. Oliver Feltus, Chair**

FIN 201 Personal Money Management. (3) I, II. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning.

FIN 300 Business Finance I. (3) I, II.

Prerequisites: ACC 201, 202, ECO 230, MAT 112 or 114 or 211, and QMB 200 or ECO 220 or STA 215 or STA 270, 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 Corporate Finance. (3) I, II.

Prerequisites: FIN 300 with a “C” or better. An in-depth exploration of capital structure (including dividend policy) decisions, working capital management, financial forecasting and planning, the agency problem and its implication for security markets and firm valuation, financial market efficiency.

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: ACC 201, ECO 324, FIN 201. A comprehensive overview of the financial institutions industry, with an emphasis on commercial banks.

FIN 310 Entrepreneurial Finance. (3) I, II.

Selection of business form, tax planning, financing and cash flow planning; motivating and retaining employees; compensation planning; debt and equity financing; legal, tax and behavioral considerations.

FIN 311 Personal Financial Planning. (3) I,

II. Prerequisite: FIN 201 or 300 or 310, or FRM 352. Time value of money applications; personal financial statements development and assessment; cash flow and debt management; asset acquisition; education planning; planning elements of risk management; investment planning; and retirement planning.

FIN 315 Financial Statement and Loan

Analysis (3) A. Prerequisites: FIN 304, FIN 310 with a grade of “C” or better in each course. This course introduces the fundamentals of financial analysis for the purpose of credit analysis from the perspective of commercial banks. Students will learn from case studies adapted from real life examples to develop an understanding of credit risk, the development of lending policies and procedures, pricing loans and expectations of risk and return.

FIN 324 Principles of Investments. (3) A.

Prerequisite: FIN 300 or FIN 201 or FIN 310 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 Principles of 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. (5-8)

A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. May be repeated for a total of 16 credit hours.

FIN 349 A-N Cooperative Study: Finance.

(5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. May be repeated for a total of 16 credit hours.

FIN 390S Community Financial Literacy. (3)

A. Prerequisites: FIN 201, 310, and 311 with a grade of C or better in each course. Application of financial planning for community members; teaching financial literacy to EKU’s service areas and surrounding communities.

FIN 410 Financial Analysis and Valuation.

(3) A. Prerequisites: CCT 300W and FIN 300 with “C” or better. Exploration of discounted residual earnings as basis for valuation; sources of value creation; methods of forecasting future financial statements. Students are required to produce analyst report for a public company.

FIN 420 Investment and Portfolio Theory.

(3) II. Prerequisites: FIN 301 and 324 with a “C” or better. Investment analysis including efficient market theory and empirical investigations, security valuation, risk free borrowing and lending; portfolio selection and performance evaluation are examined. Also included are derivatives’ valuation and their role in a diversified portfolio.

FIN 424 Derivatives Valuation and

Accounting. (3) A. Prerequisites: FIN 301 with “C” or better; or ACC 302 with “B” or better and departmental approval. General valuation principles for derivatives, numerical methods of derivative valuation, regulations covering executive stock options, accounting of derivatives. Also covered are special purpose vehicles.

FIN 437 Bank Management. (3) A.

Prerequisites: FIN 315 with a grade of “C” or better. A synthesis of the financial concepts and theories mastered in previous finance courses. The student will develop a quantitative and qualitative understanding of financial institutions management and how decisions are made. This course includes a bank management simulation activity.

FIN 450 Project in Finance. (1-3) I, II.

Prerequisite: departmental approval. Selected topics of special contemporary interest to finance students. Students are required, under supervision of finance faculty, to write a paper on any finance topic of their choice.

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.

FLS—Foreign Language Studies**Dr. Abbey Poffenberger, 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. E-6 [GE].

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. E-6 [GE].

FLS 210 Language Topics: _____ (3)

A. Prerequisite: Basic proficiency in the language and departmental approval. Intermediate 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.

FLS 230 Language Studies Abroad:

_____. (1-12) A. Prerequisite: Departmental approval prior to study abroad. Intensive intermediate level coursework in study abroad programs. May be retaken to a maximum of 12 hours per semester for duration of study abroad program(s).

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.

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 330 Language Studies Abroad: _____. (1-12) A. Prerequisite: Departmental approval prior to study abroad. Intensive intermediate/advanced level coursework in study abroad programs. May be retaken to a maximum of 12 hours per semester for duration of study abroad program(s).

FLS 349 Applied Learning: _____. (5-8) 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-N Cooperative Study: _____. (5-8) 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.

FMT—Fermentation Science
Dr. Darrin Smith, Chair and Director

FMT 340 Fermentation Chemistry (3)
A. Prerequisites: CHE 102/102L or 361/361L (C or better). Course describes the chemistry and chemical principles present at different steps of fermentation (specific to beverages) including the composition of initial feedstocks, malting process, wort generation, fermentation, packaging, and storage.

FMT 345 Sensory Analysis (2) A. Prerequisite: FMT 340 (C or better) and age requirement ≥ 21 years. Basic principles involved in sensory perception pertaining to neurochemistry and practical sensory experience with products generated from fermentation processes. 1 Lec / 2 Lab.

FMT 349 Applied Learning in Fermentation Science. (0.5-8) A. Prerequisite: FMT 340 (C or better) and departmental approval. Independent investigations and study related to academic studies in fermentation science and based in a laboratory setting. One half to eight hours credit per semester or summer. A minimum of 80 hours of employment required for each semester hour of academic credit. May be repeated for maximum of 12 credit hours but only three hours may be counted toward the major requirements.

FMT 349 A-N Cooperative Study: Fermentation Science. (0.5-8) A. Prerequisite: FMT 340 (C or better) and Departmental approval. Work in experiences related to academic studies in fermentation science. One half to eight hours credit per semester or summer. A minimum of 80 hours of employment required for each semester hour of academic credit. May be repeated for maximum of 12 credit hours but only three hours may be counted toward the certificate or major requirements.

FMT 495 Fermentation Research. (1-3) A. Prerequisites: FMT 340 (C or better) and departmental approval. Students concentrate on the objectives and techniques of fermentation science research to address a variety of issues / problems in all aspects of the field. May be retaken to a maximum of six hours but only three hours can count towards a degree. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. 3-9 Lab.

FMT 501A-D Special Topics in Fermentation: _____. (1-3) A. Prerequisite: Senior standing and departmental approval. Lecture or laboratory experience to be chosen from current and/or

specialized area of fermentation science including (but not limited to) historical aspects, advanced methods of analysis, or facility building. Topics will vary according to student interests and needs. May be retaken to a maximum of six hours. If a laboratory course, then three contact hours will be required for every credit hour.

FMT 540 Fermentation Microbiology. (3) A. Prerequisites: Senior standing, FMT 340 (C or better), and BIO 320 (C or better). Course focuses on the biochemistry, genetics, and behavior of microorganisms for the production of fermented beverages. Information will be presented in a lecture format with hands-on experiences performed in a laboratory setting. 2 Lec / 3 Lab.

FMT 545 Chemical Analysis & Quality Control. (4) A. Prerequisite: Senior standing, CHE 325/325L (C or better), and FMT 340 (C or better). Course focuses on quality assurance and control (QA/QC) based on analysis using chemical and instrumental methods of initial feedstocks, water, and fermentation products. Analysis will be based on current industrial standards. 3 Lec/3 Lab.

FMT 549 Fermentation Project Lab. (2) A. Prerequisites: Senior standing, FMT 540 (C or better), and 545 (C or better). Age requirement (≥ 21 years). Course to perform an independent capstone project where students will decide on the process to make a final fermentation product. Complete analysis of the product will also be performed at different stages of production. 1 Lec/3 Lab.

FOR—Forensic Science
Dr. Darrin Smith, Chair & Dr. Lori Wilson, Director

FOR 301 Introduction to Forensic Science. (3) A. Prerequisite: MAT 090. 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 310 Training for Forensic Internships. (1) A. Prerequisite: junior or senior standing in Forensic Science. This course provides the student guidance in the preparation for an internship and explains the forensic internship application process.

FOR 331 DNA Profiling. (3) A. Prerequisites: BIO 111(C) and STA 270 (C). Prerequisite or co-requisite: CHE 102 or 361. This course will include topics in forensic DNA profiling; sample collection, DNA extraction, DNA quantitation and amplification. Prepares students for further studies/career in forensic/molecular biology. Laboratory FOR 331L is optional with this course.

FOR 331L DNA Profiling Lab. (1) A. Prerequisite: CHE 361(C). Prerequisite or co-requisite: FOR 331. Laboratory course of FOR 331. Provides practical experience in Forensic DNA profiling; sample collection, DNA extraction, DNA quantitation and amplification. Prepares students for further studies/career in forensic/molecular biology.

FOR 349 Applied Learning in Forensic Science. (0.5-8) A. Formerly FOR 495. Prerequisite: FOR 310 or departmental approval. Independent laboratory work and study related to forensic science in a laboratory setting. A minimum of 80 hours of employment required for each semester hour of academic credit. May be taken for a maximum of 16 hours, but only six hours may be counted toward the major requirements. Eight to sixteen weeks.

FOR 349 A-N Cooperative Study: Forensic Science. (0.5-8) A. Formerly FOR 495. Prerequisite: FOR 310 or departmental approval. Work in experiences related to academic studies in forensic science. One half to eight hours credit per semester or summer. A minimum of 80 hours of employment required for each semester hour of academic credit. May be repeated for maximum of 16 credit hours but only six hours may be counted toward the major requirements.

FOR 401 Forensic Professional Practice. (3) I. Prerequisite: FOR 301. Introduces professional practices

and expectations for the forensic scientist. Includes discussion of professional organizations, certification, ethics, QA/QC, accreditation, technical writing, data treatment and interpretation.

FOR 411 Instrumental Analysis (3) A. Cross-listed with CHE 425. Prerequisites: CHE 325, 325L, 362, 362L; PHY132 (or 202); MAT 234 (C or better in each course). Prerequisite or Corequisite: CHE 411L. Fundamental principles of the operation and application of analytical instrumentation including spectroscopy, chromatography, electrochemistry, and mass spectrometry found throughout industrial, government, forensic, and/or research environments are presented. Credit will not be awarded for both FOR 411 and CHE 425.

FOR 411L Forensic Instrumental Lab (1) A. Prerequisite: BIO 111 (C or better); Prerequisite or Corequisite: FOR 411. Lab component of FOR 411. Lab providing hands-on experience operating instrumentation most commonly used in forensic science analytical laboratories, including UV-visible, infrared, Raman, X-ray fluorescence, and atomic absorption spectrophotometric techniques plus thin-layer, gas, and liquid chromatographic separation techniques. Credit will not be awarded for both FOR 411L and CHE 425L. 3 Lab.

FOR 412 Forensic Trace Evidence. (3) II. Prerequisites: FOR 411 (C), 411L (C), 451 (C), and 451L (C). Prerequisites or Corequisite: FOR 412L. Introduction to forensic trace and impression evidence and the application of instrumentation and techniques to analyze various types of trace and impression evidence. Students will learn about the numerous instruments and techniques used in forensic labs to analyze different types of trace and impression evidence; paint, glass, fibers, tapes, plastic bags, accelerants, explosives, building materials, firearms, tire and shoeprints and other materials commonly encountered in the crime laboratory.

FOR 412L Forensic Trace Evidence Lab. (1) II. Prerequisites: FOR 411, 411L, 451, and 451L. Prerequisite or Corequisite: FOR 412. Lab component of FOR 412. Use of microscopes and various instruments for examination of forensic trace evidence materials. 3 Lab.

FOR 440 Drug Chemistry. (3) I. Prerequisite: CHE 362 (C or better). Discusses aspects of drug chemistry relevant to understanding the properties, physiological effects, and techniques used for the separation, analysis, and identification of drugs. Emphasis is on controlled substances.

FOR 442 Forensic Analytical Toxicology. (3) II. Formerly FOR 430. Prerequisites: FOR 411(C) and 411L (C) or CHE 425(C) and 425L (C); or departmental approval. Pre-requisite or co-requisite: FOR 442L. Study of the chemistry, biochemical activity, isolation and identification of drugs of forensic interest in biological materials. Credit will not be awarded to students who have credit for FOR 430.

FOR 442L Forensic Analytical Toxicology Lab. (1) II. Prerequisites: FOR 411 (C) and 411L (C) or CHE 425 (C) and 425L (C); Prerequisites or corequisite: FOR 442. Introduces techniques and instrumentation used for the chemical separation and analysis of drugs in both solid dosage and toxicological samples. 3 Lab.

FOR 451 Forensic Microscopic Analysis. (2) I. Prerequisite or Corequisite: FOR 411, 411L, and 451L (C or better). Introduction to concepts of forensic microscopic analysis; identification and characterization of trace evidence, such as glass, hair, fiber, and soil.

FOR 451L Forensic Microscopy Lab. (1) I. Prerequisite or Corequisite: FOR 451. Laboratory component of FOR 451. Use of stereoscopes and polarizing light microscopes for examination of forensic materials. 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 465W Expert Witness Testimony. (3) A. Prerequisites: ENG 102 or ENG 105 or HON 102 and

FOR 411(C) and FOR 411L(C) or departmental approval. Theory and purpose for expert witness testimony, qualifications of scientific experts, ethical issues, and practical aspects of expert witness discovery and courtroom testimony. Videotaping of testifying in mock testifying situations is also included. 2 Lec/2 Lab. Credit will not be awarded for both FOR 465W and 465.

FOR 475 Mass Spectrometry. (3) A. Cross-listed with CHE 520. Prerequisite: CHE 362. Topics include types of mass spectrometers; qualitative and quantitative mass spectrometry, different ionization processes, sample inlet systems, (including chromatography systems), and interpretation of mass spectral data. Credit will not be awarded for both FOR 475 and CHE 520.

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 499 Forensic Science Capstone (3) A. Prerequisites: FOR 411 (C), and 411L (C), and 6 hours of 400 level or above FOR or CHE or BIO courses from within the student's option (C or better in each course). Prerequisite or co-requisite: FOR 465 or 465W. Capstone experience that provides overview of the investigative process from collection of evidence at a mock crime scene, through analysis, data interpretation, and presentation of results in a mock courtroom setting. 2 Lec / 3 Lab.

FRÉ—French
Dr. Abbey Poffenberger, 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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

FRE 207 Performing in French: Four Skills. (3) A. Prerequisite: FRE 202 or equivalent proficiency with departmental approval. Focuses on proficiency in the four skills and prepares students for upper-level course work. Taught in French.

FRE 295 Independent Work in French. (1-3) A. Prerequisite: FRE 207. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 305 Readings in French. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. Taught in French. Focus on how to understand, talk, and write about short readings and their cultural and literary contexts in French. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 306 France Today. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. Focuses on contemporary issues related to France through a variety of topics and media. Taught in French. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 310 Topics in Culture: _____. (1-3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. Emphasis on communicative proficiency in context of topics selected from French or francophone cultural heritage, such as cinema, news media, cuisine, or the arts. Taught in French. May be retaken to a maximum of twelve hours, provided the subject matter differs each time.

FRE 312 French Literary Studies: _____. (3) A. Prerequisite: FRE 207 or equivalent proficiency with department chair approval. A selected topic from the major French authors and literary movements. Taught in French. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

FRE 320 French for Work and Travel. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. Develops oral and written communication skills for application in diverse careers, international travel, and interaction with the French-speaking peoples of the world. Taught in French.

FRE 330 Francophone Cinema. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. An analysis of the culture of the Francophone world through representative films. Taught in French. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 340 French Phonetics. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental 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.

FRE 350 French Conversation. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental 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 207 or equivalent proficiency with departmental approval. A communicative approach to French grammar in meaningful context, using authentic spoken and written language, within the framework of French and francophone cultures.

FRE 380 Texts and Contexts: _____. (3) A. Prerequisite: FRE 207 or equivalent proficiency with departmental approval. Taught in French. Analysis and study of literary and non-literary texts of a chosen era (at discretion of instructor) within the relevant cultural and historical context. May be taken to a maximum of six hours, provided the subject matter differs each time.

FRE 410 Advanced Stylistics. (3) A. Prerequisite: FRE 360 and FRE 305, 306, or 380 or equivalent proficiency with departmental approval. Taught in French. Advanced work on composition and conversation, with a focus on perfecting grammatical forms and developing advanced vocabulary. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 420 Issues in Translation. (3) A. Prerequisite: FRE 360 and FRE 305, 306, or 380 or

equivalent proficiency with departmental approval. Taught in French. Examine the theory and method of translation (French to English) in a variety of genres. Includes the practical aspects of translation and the particulars of a career as a translator. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

FRE 430 Francophone Voices. (3) A. Prerequisite: FRE 360 and FRE 305, 306, or 380 or equivalent proficiency with departmental approval. An in-depth study of the traditions and cultural heritage of French speakers. Taught in French. May be retaken to a maximum of six hours, provided the subject matter differs each time with departmental approval.

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. Dana Bush, Chair

FRM 352 The Family as Consumers. (3) I, II. Family resource management across the life course. Resource allocation and decision-making to attain family goals and financial wellbeing; time, money, housing, work-family balance. Role of family economics in marital/family satisfaction and multiple family forms. Credit will not be awarded for both FRM 352 and FIN 201.

FRM 456 Special Problems in Family Economics and Management. (1-3) A. Prerequisite: departmental 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
Nancye Davis, Chair

FSE 101 Fire Prevention. (3) A. An introduction to fire and safety related codes; fire prevention methods; mechanical systems; and engineering solutions for hazards. An in-depth look at the Life Safety Code, the function and testing of fire related building components.

FSE 120 Fire Behavior and Combustion. (3) A. Introduction to the chemistry and dynamics of fire; including basic terminology and concepts that are applied to the physical and chemical properties of the development and spread of fire in a structure; hazardous materials and the 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. Credit will not be awarded for both FSE 200 and OSH 200.

FSE 201 Building Construction. (3) A. A review of the analysis of building construction methods and terminology. A systems approach to designing building fire safety; the Life Safety Code; the function of and testing of rated building components, evaluating plans for code compliance.

FSE 201S Building Construction. (3) A. A review of the analysis of building construction methods and terminology using a service learning approach. A systems approach to designing building fire safety; the Life Safety Code; the function of and testing of building components, evaluating plans for code compliance. Credit will not be awarded for both FSE 201 and FSE 201S.

FSE 221 Fire Protection Systems. (3) A. Prerequisites: FSE 101, FSE 120. Introduction to fire detection, protection, control systems and extinguishment. Fixed and portable systems of the

following types will be studied: automatic sprinklers, standpipes, dry chemical, foam, halogenated agents, fire alarm systems and diction.

FSE 223 Fire and Emergency Scene Operations (3) A. Prerequisite: FSE 201 or FSE 201S. Principles of Incident Management including emergency scene decisions, strategies, and tactics. Utilizing emergency control resources such as personnel, apparatus, and equipment.

FSE 224 Human Behavior In Fire.(3) Prerequisites: FSE 101 and FSE 120. Examine current and past research on human behavior, systems models, life safety education and building design to determine interactions emergency situations. Develop a best practice building life safety system.

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. Credit will not be awarded for both FSE 225 and OSH 225.

FSE 230 Fire Prevention Organization and Management. (3) A. Prerequisite: FSE 101. An introduction to management issues related to fire prevention systems. Overview of the requirements for fire prevention codes, managing inspections, relations with public and officials and implementation of fire education programs.

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 status, sources of information, the federal role in fire and explosion investigation, explosives and improvised explosive devices.

FSE 260 Proving Criminal Acts. (3) A. A study of crimes and the methodical steps in the investigation and proving of criminal acts. Explore defenses/legal remedies to enable the student to understand the obligations of managing an investigation.

FSE 280 Constitutional Criminal Procedure. (3) A. Examines the legal implications of obtaining evidence directly from the suspect. Fourth, Fifth, and Sixth Amendments, and rules of evidence are discussed as they relate to the investigation of criminal acts.

FSE 300W Technical Report Writing for Emergency Services. (3) A. Prerequisite: ENG 102 and FSE 200. Develop oral and written communication skills specific to the public emergency service sector's needs. Focusing on the technical aspects involved in supporting public initiatives operating within the legal system and learning the specific requirements for submitting documentation to various technical committees. Credit will not be awarded for both FSE 300 and 300W.

FSE 305 Hazardous Materials. (3) A. Prerequisite: FSE 120. Study of hazardous material problems in transportation, storage, and use. Chemical properties relating to specific reactions, engineering controls, and control in an emergency situation. Emphasis on the role of pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident. Credit will not be awarded for both FSE 305 and OSH 305.

FSE 310 WMD/Hazardous Materials. (3) A. Study of different Weapons of Mass Destruction (WMD) materials, deployment, and use. Evaluation of hazardous materials, usage, storage, and transportation. Preventing and controlling WMD/Hazardous Materials incidents.

FSE 320 Principles of Emergency Services. (3) A. 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 Structures and System 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 projects will be included.

FSE 330 Principles of Criminal Investigation. (3) A. Prerequisites: FSE 300 or FSE

300W, FSE 260, and FSE 280. A detailed study of the investigative procedure as it applies to fire, arson, explosion and other personal property crimes.

FSE 349 Applied Learning in Fire and Safety Engineering. (.5-8) 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. Credit will not be awarded for both FSE 349 and OSH 349.

FSE 349 A-N Cooperative Study: Fire and Safety Engineering. (.5-8) 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. Credit will not be awarded for both FSE 349 A-N and OSH 349 A-N.

FSE 350 Fire Arson and Explosion Investigation I. (3) 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 355 Fire Dynamics. (3) A. Prerequisites: CHE 101(or higher), FSE 120, and MAT 107 or 114(or higher). An introduction to fire-related measurement techniques, advanced fire and combustion concepts and associated terminology. This course includes basic numerical methods for understanding fire dynamics.

FSE 360 Fire Protection Hydraulics and Water Supply (3) A. Prerequisites: FSE 120 and MAT 107, 114 or higher. A study of water at rest and in motion, Bernoulli's and Pascal's theorems; water distribution systems, velocity, friction loss, pump and nozzle pressures required for fire protection.

FSE 365 Instructional Methodology for Emergency Service. (3) A. Course provides students with opportunities to develop presentation skills used in classroom instruction. Develop lesson plans, prepare audio-visual aids and props for the class. Prepare evaluation methodologies that competently assure learning objectives during delivery of presentations.

FSE 370 Electrical and Mechanical Systems Failure Analysis. (3) A. Overview of design criteria for electrical and mechanical systems and components relative to fire safety via laboratory experiments, exemplar components and photographs that depict system and component failures that result in fire. Learning opportunities include engaging in destructive and non-destructive analysis of components and systems.

FSE 375 Emergency Service Resource Management. (3) A. Introduction to management issues related to obtaining and accounting for resources. Included are financial management processes, acquisition strategies, strategies for maintenance of effort and resource prioritization, resource replacement planning and processes to audit program success.

FSE 380 Failure Analysis. (3) A. Prerequisite: FSE 370. An in-depth study of fire and arson investigations. Emphasis will be placed on the principles and techniques of scene preservation, failure analysis, report writing, and determination of cause and origin.

FSE 400 Advanced Emergency Services. (3) A. Prerequisites: FSE 300 or FSE 300W, and FSE 320. A study of environmental management including the identification and analysis of key managerial issues confronting contemporary fire services managers. Application in current methods and planning, organizing, developing and evaluating public fire/emergency services organizations.

FSE 425 Disaster & Community Fire Defense Planning. (3) A. Prerequisite: FSE 300 or FSE 300W. Overview of the ever changing demographics of the departmental jurisdictions and response during community service master planning, identifying hazards then assessing risks associated with those hazards. Analysis of potential disaster and recovery methods.

FSE 445 Advanced Structural Fire Protection. (3) A. Prerequisite: FSE 355. Examines principles involved in structural fire protection: behavior of materials and design considerations for each material in regards to a structure's design under fire attack and resistive protection methods.

FSE 450 Advanced Explosion and Bombing Investigation. (3) A. Prerequisite: FSE 380. An in-depth study of explosion scene investigation. Emphasis will be placed on the principles and techniques of scene preservation analysis, management of investigative functions, documentation of scene, and determination of the cause of explosions.

FSE 480 Industrial Fire Safety. (3) A. Prerequisites: FSE 101 and FSE 120. Fire scenario analyses for industrial installations using test data, loss experience and simplified theoretical modeling focusing on warehousing, storage of flammable liquids and safety of electrical equipment and computers.

FSE 481 Fire Protection Design. (3). Comprehensive project emphasizing a team approach to the design process. Problem formulation; project management; drawings and specifications; cost estimating; and various project components. Engineering and professional ethics.

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 495 Fire Arson and Explosion Case Preparation. (3) A. Prerequisite: FSE 450. Preparation of the fire, explosion, and arson case for trial, including preparation of demonstrative evidence, scene documentation for presentation, and testimony.

FSE 496 Fire Investigation Case Preparation. (3) A. Prerequisite: FSE 450. Preparation of the fire and arson case for trial, including preparation of demonstrative evidence, scene documentation for presentation, and testimony.

FSE 498 Independent Study. (1- 3) A. Prerequisite: Departmental approval. Individual reading and research on a problem or area within the field of Fire and Safety, 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 providing the project title differs.

FSE 499 Practicum. (1-12) A. Prerequisite: departmental approval. Supervised field observation, research, and/or experience.

GBU—General Business Dr. Weiling Zhuang, Interim Chair

GBU 101 Introduction to Business. (3) I, II. A survey of modern business practices. The course explores business areas including management, marketing, accounting, and finance. The course is designed to help prepare students for future business courses and assist students in deciding whether to choose business as a career.

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. (.5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. May be used as upper division business electives and/or free electives as approved. General Business Majors, depending on option, are limited to a maximum of nine co-op hours counting toward degree. Co-op hours may be repeated up to nine hours.

GBU 349 A-H Cooperative Study: General Business. (.5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. May be used as upper division business electives and/or free electives as approved. General Business Majors, depending on option, are limited to a maximum of nine co-op hours counting toward degree. Co-op hours may be repeated up to nine hours.

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: CCT 300 or 300W, CIS 300, FIN 300, MGT 300, 370, and MKT 300 with a grade of "C" or better in each prerequisite course; 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.

GCM—Graphic Communications Management
Dr. David Dailey, Coordinator

GCM 211 Graphic Communications. (3) I, II. An overview of the market segments using the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. 2 Lec/2 Lab.

GCM 217 Electronic Publishing. (3) A. Basic course in desktop publishing and preparing appropriately designed documents for Graphic Communications. Emphasis is on the use of professional level computer application programs for working with images, type and page layouts. 2 Lec/2 Lab.

GCM 255 Web Publishing. (3) I. Formerly TEC 255. A basic course in using current Web standards to prepare content for the World Wide Web that includes HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). 2 Lec/2 Lab.

GCM 313 Digital Photography. (3) A. Formerly TEC 313. A study of current technology used to capture, manage, enhance and process photographic images for use with various computer applications. 2 Lec/2 Lab.

GCM 316 Graphic Communications II. (3) I. Prerequisites: GCM 211. 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. Prerequisite: GCM 217. Advanced desktop publishing course in the design, creation, and assembling of text and graphical images. In depth study of color theory, color management and color separation. 2 Lec/2 Lab.

GCM 318 Flexographic Printing (3) I. Prerequisite: GCM 211. An overview of the flexographic printing process. Emphasis will be given to products, image carriers, imaging and finishing operations in the label and corrugated packaging industry. 2 Lec/2 Lab.

GCM 319 Specialty Graphic Imaging. (3) I. Prerequisite: GCM 211. An overview of specialty imaging processes including screen, pad, and wide format printing. Emphasis will be given to the printed product, image carrier preparation, press systems and mechanics, inks and substrates. 2 Lec/2 Lab.

GCM 349 Applied Learning in Graphic Communication Management. (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.

GCM 349 A-N Cooperative Study: Graphic Communications Management. (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.

GCM 355 Web Animation. (3) II. Formerly TEC 355. Prerequisite: GCM 255 and 313. Web animation with advanced Web programming. 2 Lec/2 Lab.

GCM 410 Finishing and Packaging. (3) A. 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. Prerequisites: GCM 317 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. Prerequisites: GCM 316 and 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.

GCM 455 Web Publishing II. (3) I. Prerequisite: GCM 255. An advanced course in preparing content for the World Wide Web that includes HTML, PHP and MySQL. Students will work with both client-side and server-side technologies to integrate databases into web sites. 2 Lec/2 Lab.

GCM 467 Comprehensive Exam for BS in GCM (0) A. Prerequisite: Consent of Advisor. Registration is required of all Graphic Communications Management B.S. majors during their last semester. A comprehensive assessment exam is required.

GCS—Interpersonal Skills and Career Counseling

GCS 199 Career Counseling Seminar. (1) I, II. Prerequisite: Degree Seeking Only. 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. Melissa Dieckmann, Chair

GEO 100 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. Credit will not be awarded for both GEO 100 and GEO 200. Gen. Ed. E-5B [SB].

GEO 110 Environmental Geography (3) A. Prerequisites: Freshman and Sophomore standing. A focus on ecological function and the physical and human dynamics contributing to environmental change across the globe and at various geographical scales. Environmental issues are examined through a geographical lens, and include clean air and water, energy systems, biodiversity, natural hazards, climate change, and food production. 2Lec/2Lab. Gen. Ed. E-4.

GEO 115 Hollywood Weather. (3) A. This non-technical introduction to atmospheric processes examines how meteorological events are portrayed in popular movies. Topics may include severe weather events, climate change, and weather's impact on human systems.

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.

GEO 302W Global Environmental Problems. (3) A. Prerequisites: GEO 100, 110, or 210; ENG 102, 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded to students who have credit for GEO 302 or ENV 302.

GEO 315 Meteorology. (3-4) I, II. Prerequisite: MAT 112, 114, 122, 211, 234, or 234H. This course focuses on important phenomena and physical processes that occur in Earth's atmosphere, including atmospheric dynamics, radiation, stability, moisture, wind systems and severe storms.

GEO 321 Urban Geography. (3) A. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, 105(B) or HON 102. 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.

GEO 322 World Geopolitics. (3) A. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, 105(B) or HON 102. 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.

GEO 325 Environmental Land Use Planning (3) A. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded to students who have credit for GEO 325S, ENV 325 or ENV 325S.

GEO 325S Environmental Land Use Planning (3) A. Cross-listed as ENV 325S. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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 scale. Credit will not be awarded to students who have credit for GEO 325, ENV 325 or ENV 325S.

GEO 343 Geography of Kentucky. (3) A. Prerequisite: GEO 100, 110, 210, or 220. 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 349 Applied Learning in Geography. (5-8) 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-N Cooperative Study: Geography. (5-8) 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 Data and Techniques. (3) A. Prerequisites: GEO 100, 110, 210, 220, GLY 104, 107, 108, or 109; MAT 105 or above, STA 215, or 270. Introduction to geographic data, quantitative and qualitative analysis, hypothesis testing, and appropriate representations of specific data types. Includes exposure to techniques used in geographic research and applications, including mapping, GIS, GPS, field work, remote sensing, library and Internet research, and others. Practical experience focus. 2 Lec/2 Lab.

GEO 353 Geographic Information Systems. (3) A. Prerequisite: (one of the following): AGR 216, GEO 100, 210, 220, GLY 102, 107, or 108. Introduction to GIS principles, methods, operations, mapping, and applications. Topics include spatial data, databases, GIS analysis, models, site suitability, environmental and social applications, and more. Hands-on emphasis using ArcGIS. 2 Lec/2 Lab.

GEO 398 Independent Studies in Geography. (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.

GEO 430 Sustainability in Appalachia. (3) A. Cross-listed as APP 430 and ENV 430. Prerequisites: GEO 100, 110, 210, or 220; ENG 102, ENG 105(B), or HON 102; MAT 105 or higher; or departmental approval. 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. Credit will not be awarded for students who have credit for APP 430 or ENV 430.

GEO 435 Biogeography. (3) A. Cross-listed as ENV 435. Prerequisites: ENG 102 or ENG 105(B) or HON 102; and MAT 105 or higher; or departmental approval. Study of plant and animal distributions and the nature of earth's major terrestrial biomes, with an emphasis on formulating sound spatial hypotheses to explain the variety and ever-changing geographic ranges of living organisms. Credit will not be awarded to students who have credit for ENV 435.

GEO 450 Field Studies. (3) A. Prerequisite: GEO 100, 110, 210, or 220. Field techniques and applied case studies of geographic topics in local and regional environs.

GEO 453 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. 2 Lec/2 Lab.

GEO 455 GIS Cartography. (3) A. Prerequisite (one of the following): GEO 100, 110, 210, 220, GLY 102, 107, or 108. Principles of cartographic design for GIS applications. Hands-on emphasis using ArcGIS. Lec/2 Lab.

GEO 456 Remote Sensing. (3) A. Prerequisite: GEO 100, 110, 210, 220, GLY 102, 107, or 108. Principles, data sources, acquisition, interpretation, analysis, and application of geographic imagery, including maps, air photos, shuttle photography, and satellite digital data. Hands-on emphasis using ERDAS software. 2 Lec/2 Lab.

GEO 458 Advanced Geographic Imagery. (3)

II. Prerequisite: GEO 456. Characteristics, interpretation, integration and applications of advanced geographic imagery, including remote sensing and GIS digital data. Attention on satellite and multispectral imagery, including image processing. Hands-on emphasis. 2 Lec/2 Lab.

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 498 Research Project in Geography. (3) A. Prerequisite: departmental approval. A research experience for geography majors that integrates a research experience with the production of a substantive deliverable product (e.g., poster, conference presentation, map). May be retaken to a maximum of six hours if research topic differs each time.

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.

**GER—German
Dr. Abbey Poffenberger, 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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

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 students who have native or near-native fluency in German.)

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.

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.

**GLO—Globalization and International Affairs
Dr. Lynnette Noblitt, Chair**

GLO 201 Introduction to Globalization. (3) A. Prerequisites: Completion of all developmental requirements. An introduction to the multi-faceted dimensions of globalization, including positive and negative aspects of globalization and some of the many cultural, economic, geographical, historical, political, ideological and social forces affecting globalization.

GLO 490 Globalization Senior Seminar. (3) A. Prerequisites: Senior standing and departmental approval. Reading, analysis and discussion of current globalization topics, with heavy emphasis on class participation and student presentations.

**GLY—Geology
Dr. Melissa Dieckmann, 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. 1 Lec/4 Lab. Gen. Ed. E-4.

GLY 104 The World Ocean. (3) I, II. Investigation of the geologic, physical, biogeochemical, and biologic processes that occur within the oceans of the world. The course emphasizes connections between these processes, and how those connections interact with our planet's life. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

GLY 107 Gold and Diamonds. (3) I, II. The geology of gold and diamonds, including mineralogy, natural occurrence, exploration, and mining. The impact of gold, diamonds, and other important earth materials on the environment, history, and society will also be discussed. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

GLY 108 Plate Tectonics: The Active Earth. (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. 2 Lec/2 Lab. Gen. Ed. E-4 [NS].

GLY 109 Great Moments in 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. E-4 [NS].

GLY 210 Introduction to Geochemistry. (3) I. Prerequisite or Corequisite: ACT math score of 22, or SAT math score of 530, or MAT 112 or 114, or departmental approval. An introduction to the application of fundamental concepts and skills in chemistry (nomenclature, stoichiometry, bonding, chemical change) to geology, including the distribution of the elements, mineral chemistry, and radiometric dating.

GLY 302 Earth Science. (3) A. Prerequisite: GLY 102, 104, 107, 108, or 109. Study of the universe and our solar system, the Earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources.

GLY 303 Environmental Geoscience. (3) A. Cross-listed as ENV 303. Prerequisite: GLY 102, 104, 107, 108, or 109, or GEO 100, 210, or 220; or departmental approval. Investigation of the Earth as a complex set of interconnected systems that cycle elements, water, and earth materials over geologic and human time scales. The course emphasizes global environmental changes that occur on the planet because of human actions. Credit will not be awarded to students who have credit for ENV 303.

GLY 305 Dinosaurs. (3) A. Prerequisites:

GLY 102, 104, 107, 108, 109; ENG 102, ENG 105(B), or HON 102; or departmental approval. 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.

GLY 309 Mineralogy. (4) I. Prerequisites: GLY 102, 104, 107, 108, or 109; and MAT 112 or higher; or departmental approval. Study of minerals commonly encountered in rocks and soils with minor emphasis on ore deposits: mineral geochemistry, crystal structure, classification, physical properties, optical properties, and geologic environment. Laboratory develops the ability to identify minerals in hand specimens and thin sections. 3 Lec/2 Lab.

GLY 315 Hydrology. (3) I, II. Prerequisites or Corequisites: GLY 102, 104, 107, 108, or 109; and MAT 112 or higher; or departmental approval. Interrelationships between Earth's systems and the occurrence and character of water in streams, lakes, and groundwater. Focuses on fundamental understanding of hydrologic processes and reservoirs, interaction between surface waters and groundwater and relationships between human activity and these reservoirs. 2 Lec/2 Lab.

GLY 349 Applied Learning in Geology. (5-8) 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-N Cooperative Study: Geology. (5-8) 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 102, 104, 107, 108, or 109; or departmental approval. 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 102, 104, 107, 108, or 109; or departmental approval. An in-depth study of the geologic processes involved in landform development.

GLY 409 Igneous & Metamorphic Petrology. (4) II. Prerequisites: GLY 309; MAT 112 or higher. Nature and origin of common igneous and metamorphic rocks, 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. (4) I. Prerequisites: GLY 102, 104, 107, 108, or 109; and MAT 112 or higher. 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 102, 104, 107, 108, or 109; and MAT 112 or higher; 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. (4) II. Prerequisites:

GLY 415 and MAT 112 or higher. Description, correlation, and interpretation of stratified sedimentary sequences; basic 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 450W Evolution of the Earth. (3) A. Prerequisite: Senior standing or departmental approval. Overview of geological principles from the perspective of the Earth's history, physical and biological. Emphasis on critical thinking and expressive writing. Credit will not be awarded to students who have credit for GLY 550.

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 460 Aqueous Geochemistry. (3) II. Prerequisite: GLY 210 or CHE 111 and 111L. Reactions between natural waters, atmospheric gases and earth materials in surface and near surface environments. Emphasis is placed on consequences of chemical weathering, composition of surface and near surface water, geochemical cycles, and natural and anthropogenic geochemical events. 2 Lec/2 Lab.

GLY 480 Petroleum Geology. (3) II. Pre/Corequisites: GLY 410 and GLY 420. Use of the petroleum systems paradigm to explore characteristics of economically-viable petroleum accumulations. Examines fundamental activities such as electric logging, mudlogging, and drilling. Exercises and projects model industry practices in recognizing and understanding petroleum accumulations. 2 Lec/2 Lab.

GLY 482 Paleoclimate. (3) A. Prerequisite: GLY 104, 109, 415, GEO 115, 210, or 315; or departmental approval. How the interaction of ocean and atmosphere creates climate in the planet today and leaves its record in geologically accessible Earth materials, with an emphasis on the interpretation of the geological record and how we learn how the Earth's climate has changed in the past.

GLY 498 Capstone Project in Geology. (3) A. Prerequisite: senior standing and departmental approval. A capstone experience for geology majors that integrates a research experience with the students' professional development and the production of a substantive deliverable product (e.g., poster, conference presentation, geologic map).

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 535 Hydrogeology. (3) I. Prerequisites: GLY 102, 104, 107, 108 or 109; and MAT 112 or higher; 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 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

GSD 101 Foundations of Learning. (3) I, II. A course to promote student success and lay the foundation for critical and creative thinking across the curriculum. Open to all first year students with fewer than 30 semester hours earned. Credit will not be awarded to students who have credit for ASO 100, BTO 100, EDO 100, GSO 100, HSO 100, or JSO 100.

GSD 201 Transfer Student Seminar. (1) A.

Seminar is for students who enroll with 30-90 hours. Students learn how to navigate campus resources, operate degree audit software, handle transfer credits and abide by Eastern's academic integrity policy. Graded Satisfactory-Unsatisfactory.

GSD 225S Leadership Dynamics: Service Learning. (1) II. The course is designed to introduce current and emerging leaders to leadership theory and development through a dynamic service learning component including reflective activities, practice in teamwork, and engaging in service for a community partner. Credit will not be awarded for both GSD 225S and GSD 225. May be repeated up to three hours.

GSD 250 Exit Requirement AGS (0) A. Exam for AGS students to evaluate programmatic outcomes, required of all AGS students who have earned at least 45 hours. Credit (CR) will be given when students complete the exam.

GSD 300 Exit Requirement: Communication. (0) A. Required of all Department of Communication students who have earned at least 60 hours. Credit (CR) will be given when students have attended and/or completed department-sponsored activities regarding professional skills and careers. May substitute for BTS 300 or 400.

GSD 349 Applied Learning (.5 - 8) A. Prerequisite: 2.0 GPA and Program approval. Work under field supervisors in placements related to academic studies. Minimum 80 hours work for each credit hour. Repeatable up to 16 credit hours.

GSD 349 a-n Cooperative Study. (.5 - 8) A. Prerequisite: 2.0 GPA and Program approval. Work under field supervisors in placements related to academic studies. Minimum 80 hours work for each credit hour. Repeatable up to 16 credit hours.

GSD 399 Professional Skill Development (3) Prerequisites: Junior standing. Will help students recognize and build skills needed for desired career fields. Topics include: job search, resumes, cover letters, interview skills, and making connections between academic experiences and professional goals.

GSD 401 McNair Research Symposium. (2) A. Prerequisites: ENG 101 and 102 or ENG 105; MAT 105 or any course above MAT 105. Introduction to research, writing, and expectations concerning research in academic settings. Provides essential information regarding research and writing expectations of graduate students. For McNair scholars only.

GSD 450 Exit Requirement BGS (0) A. Exam for senior BGS students to evaluate programmatic outcomes. This exam is required of all BGS students who have earned at least 90 hours. Credit (CR) will be given when students complete the exam.

GSD 466A Mock Trial (2) I. Prerequisite: departmental approval. Cross-listed with POL 466A. 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.

GSD 466B Mock Trial (2) I. Prerequisite: GSD 466A and departmental approval. Cross-listed with POL 466B. 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 4 of which may be counted toward the political science major and only 2 may be counted toward the political science minor.

GSO

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 for both GSO 149 and CMS 330.

GST—General Studies Tutoring

GST 300 Principles of Peer Mentoring/ Tutoring. (1-3) I. Prerequisite: Department approval. Students will receive instruction and training in tutoring and mentoring skills and techniques. Students will serve as a peer tutor or mentor and assist with teaching in an assigned section of Academic Orientation for freshmen. The peer tutors and mentors will record, reflect upon and evaluate their associated experiences. May be retaken up to six credit hours.

HEA—Health Education Dr. Michael Ballard, Chair

HEA 202 Community First Aid and CPR. (3) 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 American Red Cross certification in First Aid, Adult CPR with AED, Child CPR, and Infant CPR. Credit will not be awarded for both HEA 202 and EMC 102.

HEA 285 Health Across the Lifespan. (3) I, II. Consideration of the various conditions and factors affecting individual and community health; special emphasis is on responsible decision-making, formulating philosophies, attitudes, and a behavioral understanding necessary to establish health living practices.

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 310 Introduction To Global Health. (3) A. Prerequisite: ENG 102 or 105 or HON 102. Exploration of epidemiological, economic, political, sociological and cultural factors that impact global health with special emphasis on applying public health principles in developing as well as developed countries. Gen. Ed. E-6 [GE].

HEA 315 Issues in Health and Disease. (3) II. Etiology, effects, remediation, and prevention of disease. Nature of health and environmental issues and forces which shape them.

HEA 316 Introduction to Public Health. (3) I, 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. Credit will not be awarded for both HEA 316 and HEA 416.

HEA 320 Introduction to Behavior Change Theory (3) I, II. Examine theories and models of health behavior relevant to health education in individuals and communities. Students analyze influences on behavior, and evaluate strategies for health education.

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. (.5-8) 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-N Cooperative Study: Public Health. (.5-8) 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 350 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 ECO 220 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 215 or STA 270.

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 WGS 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 410 Social Marketing and Advocacy in Public Health (3) Prerequisites: senior standing or department approval. Introduction to current theory and knowledge in the fields of social marketing and advocacy in public health and application of social marketing and advocacy used for promoting health behavior change strategies.

HEA 420 Senior Seminar in Health Education. (1) II. Prerequisite: HEA 480W and Public Health major or departmental approval. 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 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 460 Community Health Education Process. (3) II. Prerequisite or corequisite: HEA 316 or departmental approval. Planning, organizing, delivering, and evaluating the community health education program. Credit will not be awarded for both HEA 460 and HEA 360.

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 480W Health Promotion Program Planning. (3) I. Prerequisites: ENG 102 or ENG 105(B) or HON 102, restricted to majors or minors in Health Education or Public Health. A writing intensive course that is 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. Credit will not be awarded for both HEA 480W and HEA 480.

HEA 490 Evaluation of Health Promotion Programs. (3) II. HEA 480W or departmental approval. This course will provide an introduction to principles, strategies, and skills for the evaluation of health promotion programs in a variety of settings. Credit will not be awarded for both HEA 490 and HEA 580.

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. Cross-listed as WGS 591. Analysis of the major health problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns. Credit will not be awarded for both HEA 591 and WGS 591.

HEA 592 Human Sexuality. (3) A. Cross-listed as WGS 592. 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. Credit will not be awarded for both HEA 592 and WGS 592.

HEA 593 Death and Grief. (3) A. Cross-listed as WGS 593. 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. Credit will not be awarded for both HEA 593 and WGS 593.

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.

HIS—History Dr. Christiane Taylor, Chair

HIS 100 World Topics To 1500: _____. (3) A. Introductory exploration of a broad regional or thematic topic in world history prior to 1500. Credit will not be awarded to students who have credit for HIS 231 or 246. Limited to three credit hours. Gen. Ed. E-5A [SB].

HIS 101 World Topics Since 1500: _____. (3) A. Introductory exploration of a broad regional or thematic topic in world history since 1500. Credit will not be awarded to students who have credit for HIS 147, 232, or 247. Limited to three credit hours. Gen. Ed. E-5A [SB].

HIS 102 American Civilization to 1877. (3) A. Formerly HIS 202. 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. Credit will not be awarded to students who have credit for HIS 202. Gen. Ed. E-5A [SB].

HIS 103 American Civilization Since 1877. (3) A. Formerly HIS 203. 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. Credit will not be awarded to students who have credit for HIS 203. Gen. Ed. E-5A [SB].

HIS 147 World Civilizations Since 1500. (3) A. Formerly HIS 247. Analyzes patterns of historical change and interaction in various world civilizations during the modern period. Credit will not be awarded to students who have credit for HIS 101 or 247. Gen. Ed. E-5A [SB].

HIS 204W Historical Inquiry: _____. Writing Intensive. (3) A. Prerequisites: ENG 102 or 105 (B). Introductory exploration of a particular historical problem or theme. Satisfies university's sophomore writing-intensive requirement. Gen. Ed. E-5A [SB].

HIS 205 The Marginalized in History: _____. (3) A. Introductory exploration of the experiences of specific historically marginalized groups or cultures. May be repeated up to 6 hrs. as long as content varies. Gen. Ed. E-6 [GE].

HIS 290 Historical Research and Methods. (3) I, II. HIS majors only. A comprehensive introduction to historical research, writing, and methodologies. Credit will not be awarded for both HIS 201 and HIS 290.

HIS 300A Topics in U.S. History: _____. (1-3) A. Movements in U.S. history that have influenced and continue to influence the course of American culture and civilization. May be retaken to a maximum of six hours provided topics vary.

HIS 300B Topics in European History: _____. (1-3) A. Movements in European history that have influenced and continue to influence the course of European culture and civilization. May be retaken to a maximum of six hours provided topics vary.

HIS 300C Topics in Non-Western

History: _____. (1-3) A. Movements in non-Western history that have influenced and continue to influence the course of non-Western cultures and civilization. May be retaken to a maximum of six hours provided topics vary.

HIS 302A Research Topics in History: _____.

(3) I, II. Prerequisites: HIS majors only, HIS 290, and ENG 102, 105(B) or HON 102. Historical research and methodologies using case studies of specific movements in U.S. history that have influenced and continue to influence the course of cultures and civilizations.

HIS 302B Research Topics in History: _____.

(3) I, II. Prerequisites: HIS majors only, HIS 290, and ENG 102, 105(B) or HON 102. Historical research and methodologies using case studies of specific movements in European history that have influenced and continue to influence the course of cultures and civilizations.

HIS 302C Research Topics in History: _____.

(3) I, II. Prerequisites: HIS majors only, HIS 290, and ENG 102, 105(B) or HON 102. Historical research and methodologies using case studies of specific movements in Non-Western history that have influenced and continue to influence the course of cultures and civilizations.

HIS 303 Women in American History. (3)

A. Cross-listed as WGS 303. 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. Credit will not be awarded for both HIS 303 and WGS 303.

HIS 304 Slavery in the Americas. (3) A.

Cross-listed as AFA 304. Prerequisite: three hours HIS or department approval. The history of slavery, bound labor, and freedom in the Western Hemisphere. Special attention will be given to anti-slavery and abolitionist movements. Credit will not be awarded for both HIS 304 and AFA 304.

HIS 305 African-American History. (3)

A. Cross-listed as AFA 305. 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. Credit will not be awarded for both HIS 305 and AFA 305.

HIS 307 Religion in American History. (3) A.

Prerequisite: ENG 102, 105 (B), or HON 102, three hours HIS, or departmental approval. Examination of the impact of religious issues upon American history, including units on such questions as church-state relations and the role of religion in American perspectives on culture, ethnicity, gender, and social and economic change. Credit will not be awarded for both HIS 307 and HIS 300A: Religion in American History.

HIS 308 Native Americans to 1830. (3) A.

Prerequisite: three hours HIS or departmental approval. Native American history from pre-contact to the Indian Removal Act of 1830. Emphasis placed on the nature and impact of encounters with Europeans.

HIS 309 Native Americans Since 1830. (3) A.

Prerequisite: three hours HIS or departmental approval. Native American history from the Indian Removal Era to the present. Emphasis placed on both native perspectives and federal policies.

HIS 310 History of Science. (3) A.

The development of scientific concepts through the ages, contribution of science to civilization, philosophy of science, and biographical sketches. Credit will not be awarded for both HIS 310 and SCI 310.

HIS 312A Independent Study in History: _____.

(3) A. Individual research and/or reading on a problem area in U.S. 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 312B Independent Study in

History: _____. (3) A. Individual research and/or reading on a problem area in European 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 312C Independent Study in

History: _____. (3) A. Individual research and/or reading on a problem area in Non-Western 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 321 Islamic Societies to 1800. (3) A.

Prerequisite: ENG 102, 105 (B), or HON 102, three hours HIS, or departmental approval. Islamic societies in the Middle East, Central and Southern Asia, North Africa, and Spain from seventh to eighteenth century. Origins and spread of Islamic civilization. Spiritual foundations, institutions, politics, and art. Florescence of "gunpowder empires."

HIS 322 History of the Modern Middle East.

(3) A. Prerequisite: three hours HIS or departmental approval. Study of the history of the modern Middle East from the close of the 18th century to the present, with emphasis on the religious, social, cultural, and political dimensions of societies in the region.

HIS 324 Iran – State, Religion & Society.

(3) A. Prerequisites: ENG 102, 105(B), or HON 102; 3 hours HIS or departmental approval. Iran from ancient to contemporary times with the emphasis on the modern period, with particular attention to politics, religion, and culture. Zoroastrianism, Islam, Tobacco Revolt, Constitutional Revolution, the Pahlavis and the 1953 coup, Islamic Revolution.

HIS 330 Ancient Egypt. (3) A.

Prerequisites: ENG 102, 105(B), or HON 102; three hours HIS or department approval. A survey of Egyptian history from the earliest human activity to the Islamic conquest, considering political, religious, and socio-economic shifts and discussing sources for the study of the ancient past (archaeology, texts, and monuments).

HIS 332 The Ancient Near East. (3) A.

Prerequisites: ENG 102, 105(B), or HON 102; 3 hours HIS or departmental approval. A survey of the political, religious, and cultural history of the ancient Near East (including Iraq, Iran, Turkey, and Israel) from the Neolithic to 323 B.C.

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 337 Christianity East & West to 1500.

(3) A. Prerequisite: three hours HIS or department approval. Exploration of the emergence and spread of both eastern and western Christianity. Examination of the historical context, including social and cultural influences on the development of Christian communities and perspectives.

HIS 339 The Dark Ages Illuminated. (3)

A. Prerequisites: ENG 102, 105(B), or HON 102; 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 343 The Renaissance & Reformation.

(3) A. Prerequisites: ENG 102, 105(B), or HON 102; three hours or department approval. European society, culture, economy and politics, 1348-1689. "Black Death" and its impact; Italian Renaissance humanism and art; Christian humanism, and European expansion in the age of Columbus; Protestant and Catholic reform movements; religious wars. Credit will not be awarded to students who have credit for HIS 344.

HIS 345 Bloody Crowns! England to 1603.

(3) A. Prerequisites: ENG 102, 105(B), or HON 102; 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 348 Elizabeth I – Life and Legacy. (3) A.

Prerequisite: three hours HIS or departmental approval. An examination of the life and reign of Elizabeth I, Queen of England from 1558-1603. Topics will include her rule, image, and historical legacy.

HIS 349 Applied Learning in History. (.5-8)

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-N Cooperative Study: History.

(.5-8) 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 357 Church-State Relations from

Hébert to Hitler. (3) A. Prerequisite: ENG 102, 105 (B), or HON 102, three hours HIS, or departmental approval. Relations of the Roman Catholic Church with the monarchist, revolutionary, liberal and fascist regimes of France, Italy, Germany and Austria from 1769 to 1945, including such issues as anti-Semitism, anticlericalism, nationalism, democracy, and socialism.

Credit will not be awarded for both HIS 357 and HIS 300B: Church-State Relations from Hébert to Hitler.

HIS 363 Russia, Origins to Crimean War. (3)

A. Prerequisites: ENG 102, 105(B), or HON 102; 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 Russia - Revolutions & Reform.

(3) A. Prerequisites: ENG 102, 105(B), or HON 102; 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 break-up into independent states.

HIS 370 World History Since 1945. (3) A.

Formerly HIS 347. Prerequisites: ENG 102, 105(B), or HON 102; three hours HIS or department approval. Global consequences of World War II, the Cold War, decolonization, and superpower interventionism. The transition from a bipolar to a multipolar international system, the collapse of communism, and the spread of terrorism. Credit will not be awarded to students who have credit for HIS 347.

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 376 Japan – Samurai to Superpower. (3)

A. Formerly HIS 475. Prerequisites: ENG 102, 105(B), or HON 102; 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. Credit will not be awarded to students who have credit for HIS 475.

HIS 379 China – Empire and Revolution. (3)

A. Formerly HIS 474. Prerequisites: ENG 102, 105(B), or HON 102; three hours HIS or department approval. Han Chinese dissent and collaboration under Qing (Manchu) rule; conflicts with the West; rapid economic and cultural change; Revolution of 1911; Nationalist-Communist civil war and Japanese occupation; Great Leap Forward, Cultural Revolution, and Tiananmen Square. Credit will not be awarded to students who have

credit for HIS 474.

HIS 380 Mexico: Colony and Nation. (3) A. Prerequisite: 3 hours HIS or departmental approval. Mexico as a Spanish colony; wars of independence; the Mexican Revolution; modern Mexico. Themes include politics, culture, religion, and United States-Mexican relations.

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. Cross-listed as AFA 385. 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. Credit will not be awarded for both HIS 385 and AFA 385.

HIS 386 Modern African History. (3) A. Cross-listed as AFA 386. 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. Credit will not be awarded for both HIS 386 and AFA 386.

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 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 407 'The New South,' 1870-1970. (3) A. Prerequisites: ENG 102, 105(B), or HON 102; three hours HIS or department approval. Economic and political struggles in the U.S. South from Reconstruction to Civil Rights. Covers sharecropping and the 'New South,' the Populist rebellion, New Deal, and world wars. Specific attention given to the Black liberation struggle.

HIS 411 Rise of Modern U.S., 1877-1920. (3) A. Prerequisites: ENG 102, 105(B), or HON 102; three hours HIS or department approval. Western expansion; industrialization; the emergence of the United States as a world power; reform movements; the lives of women, immigrants, and African-Americans; 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 Cold War U.S., 1945-1991. (3) A. Prerequisites: ENG 102, 105 (B), or HON 102; three hours HIS or department approval. Cold War competition from a U.S. perspective. Covers Keynesian and Supply-Side economics, and organized labor. Containment in Europe and the Third World, emphasizing Vietnam. Impact of race, gender, and sexuality on culture and society.

HIS 414 The Modern American Presidency. (3) A. Prerequisite or Corequisite: 3 hours of HIS or departmental approval. Evolution of presidency from early twentieth century, examining myriad roles of the chief executive—as newsmaker, agenda setter, party leader, and celebrity—from William McKinley to today.

HIS 416 Kentucky History. (3) A. Prerequisite: ENG 102, 105 (B), or HON 102, three

hours HIS, or departmental approval. Kentucky's social, economic and political development from frontier times to the present day. The Kentucky experience of such national trends as migration, urbanization, industrialism and expanding government. Credit will not be awarded for both HIS 416 and HIS 516.

HIS 420 Appalachia in U.S. History. (3) A. Cross-listed as APP 420. Prerequisites: ENG 102, 105 (B), or HON 102; 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. Credit will not be awarded to students who have credit for APP 420.

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 435 U.S. Civil Rights Movement. (3) A. Cross-listed as AFA 435. Prerequisites: three hours HIS or departmental approval. Examination through primary and secondary sources of the origins, course, ideologies, and legacy of the mid-twentieth century American movement for racial justice and equality. Discussion of the central scholarly issues in civil rights studies. Credit will not be awarded for both HIS 435 and AFA 435.

HIS 450W Senior Seminar in History. (3) A. Prerequisites: ENG 102, 105 (B), or HON 102; HIS major; HIS 200, 201 or 290; and six hours of the following: HIS 302A, 302B, 302C. Research and writing in History. Credit will not be awarded to students who have credit for HIS 450.

HLS—Homeland Security Dr. Ryan Baggett, Coordinator

HLS 101 Introduction to Homeland Security. (3) A. Principles and practices associated with the emerging discipline of homeland security. Policies, directives, national plans, and legislation that shape and define the ongoing evolution of homeland security. Key issues including civil liberties and diversity. Relationship to public safety, private security, and national security.

HLS 210 Physical Security (3) A. Principles of physical design and application to include physical security surveys, integrated physical security technology systems, and risk identification and mitigation. Credit will not be awarded for both APS 210 and SEC 210.

HLS 260 Disaster Preparedness & Response. (3) A. Formerly HLS 451. Examines disaster preparedness and response context, concepts, theories, principles, programs and requirements. Students apply course concepts using case studies and real-world scenarios.

HLS 301 Critical Infrastructure Protection. (3) A. Identification, prioritization, and protection of critical infrastructure including information technology, telecommunications, chemical, transportation, energy, water, medical, emergency services, postal and shipping. Impact on personal safety and economic performance.

HLS 310 Personnel Security. (3) A. Formerly SEC 250. Examines employee and contractor integrity through background screening, security awareness, ethics programs, and audits. Analyzes special programs to protect key personnel, employees in high risk environments and workplace violence mitigation. Credit will not be awarded to students who have credit for SEC 250.

HLS 320 Security Management (3) A. Prerequisite: Junior or Senior standing or departmental approval. Evolution and application of traditional and current theories in leading and managing corporate and government/industrial security operations. Areas covered include management, supervision and leadership of a security organization.

HLS 321W Critical Problem Analysis. (3) A. Prerequisites: ENG 102 or HON 102 with a minimum grade of "C" or ENG 105 with a minimum grade

of "B" and HLS major or departmental approval. Develop research, critical and creative thinking and communication skills for the security profession. Credit will not be awarded to students who have credit for HLS 321.

HLS 341 Cyber Security. (3) A. Overview of the national computer and networked infrastructure that supports national security, including system protection, Global and financial implications of cyber terrorism. Impact of cyber security on privacy and civil liberties.

HLS 349 Applied Learning in HLS. (5-12) A. Prerequisites: Department Chair approval, a minimum GPA of 2.0, a minimum of 30 hours completed. The student works under faculty and field supervisors in placements related to the student's academic studies. A minimum of 80 hours work required for each academic credit. May be retaken to a maximum of twelve hours.

HLS 349 A-N HLS Cooperative Study. (5-12) A. Prerequisites: Department Chair approval, a minimum GPA of 2.0, a minimum of 30 hours completed. The student works under faculty and field supervisors in placements related to the student's academic studies. A minimum of 80 hours work required for each academic credit. May be retaken to a maximum of twelve hours.

HLS 350 Workplace Investigations (3) A. Prerequisite: Junior or Senior standing or departmental approval. Overview and management of criminal, civil, administrative, and internal investigative processes in the workplace, to include interviews, reports, and ethical and legal considerations related to investigations.

HLS 391 Risk Analysis. (3) A. History and process of risk analysis and management (VRA) as it relates to the protection of critical assets and infrastructure. Instruction in common techniques used in both the public and private sectors.

HLS 395 Policy and Legal Analysis. (3) A. Develop homeland security policy and legal research and analytic skills. Includes coverage of international and U.S. federal, state and local policy, legal and ethical issues.

HLS 400 Evolution of the U.S. Intelligence Community. (3) A. Evolution of the US intelligence community from the American Revolution to today.

HLS 401 Intelligence Process. (3) A. Key questions facing the U.S. intelligence community and its role in homeland security, national defense, and international affairs, with a focus on policy, oversight and intelligence support. Collection, analysis, sharing and dissemination of information within and between local, state, and federal government agencies and the private sector.

HLS 402 Counterintelligence. (3) A. History, structure and operations of the US counterintelligence community. Includes legal foundations of counterintelligence and critiques of recommended changes to the community.

HLS 403 Intelligence Analysis. (3) A. Examines processes used at local, state and federal levels to conduct intelligence analysis and develop intelligence products. Includes advanced instruction in intelligence structured analytic techniques.

HLS 430 Domestic Terrorism (3) A. Coverage of politically-motivated extremist violence in the United States. Includes discussion of definitional issues, radicalization, major attacks, current threats, and principal extremist groups and their ideologies.

HLS 435 HLS Special Topics. (1-12) A. Study of contemporary issues and special topics in homeland security. May be retaken to a maximum of twelve hours under different subtitles.

HLS 441 Homeland Security Technology. (3) A. Broad overview of homeland security technology. Technology as a tool to support homeland security regardless of functional specialty. Contribution of technology to deterrence, preemption, prevention, protection, and response.

HLS 445 HLS Field Experience. (1-12) A. Prerequisites: Department Chair approval, a minimum GPA of 2.0, and a minimum of 30 hours completed. This course is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. A minimum of 80 hours of observation is required for each academic credit. May be

retaken to a maximum of twelve hours.

HLS 455 HLS Independent Study. (1-6) A. Prerequisites: Department Chair approval, a minimum GPA of 2.0, a minimum of 30 hours completed. Individual reading and research on a problem within the field of homeland security. Students must have independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

HLS 461 Disaster Resilience. (3) A. Concepts, theories, principles, programs, and requirements of pre- and post-disaster hazard mitigation; governmental programs, planning and practice; hazard and threat modeling and analysis; team building; case studies; project development.

HLS 465 Modern Natural Disasters. (3) A. Examines natural disasters to include earthquakes, hurricanes, floods, droughts, pandemics, and other events and how they shape current emergency management practices. Analyzes planning for and recovering from such disasters. Credit will not be awarded to students who have credit for HLS 435.

HLS 491 Disaster Planning and Exercises. (3) A. Prerequisite: HLS 260. Emergency planning requirements, methods and applications for all levels of government and business, including hazard mitigation and emergency operations planning; also considers planning for universities, colleges and secondary schools.

HLS 495 Strategic Planning & Leadership. (3) A. Prerequisite: HLS major and senior standing or departmental approval. Senior capstone course requiring synthesis and application of prior course work in homeland security. Students complete senior project within a strategic planning framework.

HON—Honors Program Courses
David W. Coleman, Director

HON 100 Honors Seminar. (1) I. This course is designed to be an introduction to the Honors Program and academic life at the university, as well as to promote student success across the curriculum.

HON 102 Honors Rhetoric. (6) I. Prerequisite: Admission to the Honors Program or instructor approval. Corequisite: HON 103. Designed, with HON 103, 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. E-1A and E-1B [WC][WG].

HON 103 Honors Communication. (3) I. Prerequisite: Admission to the Honors Program or program approval. Corequisite: HON 102. Designed, with HON 102, to improve skills in writing, reasoning, oral presentation, and research. Each student will learn the principles and practice of the art of public speaking including the invention, organization, style, and delivery of informative and persuasive speeches. Gen. Ed. E-1C. [OC].

HON 180 Honors Wellness. (3) I, II. Interactive learning and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. This course offers a comprehensive discussion of the critical areas of health, physical fitness and wellness. Does not count toward required honors seminar hours for "Honors Scholar" graduation status. Credit will not be awarded to students who have credit for PHE 180.

HON 304W Honors Seminar in the Mathematical Sciences. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102 and Admission to the Honors Program; and completion of all University developmental requirements; or departmental approval. A topics course in the mathematical sciences meeting the goals of the Honors Program. A service-learning version of HON 304W may also be offered. Students may earn up to six hours from any combination of HON 304W/304S, providing the topics differ. Gen. Ed. E-2 [QR].

HON 307W Honors Seminar in the Arts. (3) A. Prerequisite: ENG 102 or 105(B)

or HON 102 and Admission to the Honors Program; or departmental approval. A topics course in the arts meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours. Gen. Ed. E-3A [AH].

HON 308W Honors Seminar in the Humanities. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102 and Admission to the Honors Program; or departmental approval. A topics course in the humanities meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours. Gen. Ed. E-3B [AH].

HON 310W Honors Seminar in History. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102 and admission to the Honors Program; or departmental approval. A topics course in history meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours. Gen. Ed. E-5A [SB].

HON 312W Honors Seminar in the Social and Behavioral Sciences. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102 and Admission to the Honors Program; or departmental approval. A topics course in the social and behavioral sciences meeting the goals of the Honors Program. A service-learning version of HON 312W may also be offered. Students may earn up to six hours from any combination of HON 312W/312S, providing the topics differ. Gen. Ed. E-5B [SB].

HON 317 Honors Seminar in the Natural Sciences. (3) A. Prerequisite: ENG 102, 105(B) or HON 102 and admission to the Honors Program; or departmental approval. A topics course in the natural sciences meeting the goals of the Honors Program. Credit will not be awarded for both HON 317 and HON 316W. 2 Lec./ 2 Lab. Gen. Ed. E-4.

HON 320W Honors Seminar in Diversity of Perspectives and Experiences. (3) A. Prerequisite: Admission to the Honors Program or departmental approval and ENG 102 or 105(B) or HON 102. A topics course in the diversity of perspectives and experiences meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours. Gen. Ed. E-6 [GE].

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 annual meeting of the National Collegiate Honors Council. 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 three 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. May be retaken for a maximum of 6 credit hours.

HSA—Health Services Administration
Dr. Michael Ballard, Chair

HSA 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.

HSA 200 Medical Terminology I. (3) I, II. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

HSA 201 Medical Terminology II. (3) I, II. Prerequisite: MAS 200 or HSA 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.

HSA 302 Organization and Management of Health Services. (3) I, II. Prerequisite: HSA 100 (minimum grade of "C"). Analysis of structure, function,

and internal and external forces impacting healthcare services. Identification of management topics and trends.

HSA 303 Fundamentals of Medical Science. (4) I, II. Prerequisites: HSA 200, BIO 171, and 301 (minimum grade of "C"). An introduction to the study of disease—its causes, symptoms, and treatment. 3 Lec/2 Lab.

HSA 306 Medical Nosology. (4) I, II. Prerequisite: HSA 302 and 303 with a minimum grade of "C" or departmental approval. HCPCS and ICD-9-CM coding and reimbursement systems for physician services and hospital inpatient and outpatient services. 3 Lec/2 Lab.

HSA 370 Health Information Management Systems. (4) I, II. Prerequisites: HSA 100, 302, CIS 230 or INF 314 minimum grade of "C". Health information systems, systems analysis, and health data base management.

HSA 372 Health Care Reimbursement Systems. (3) I, II. Prerequisite: HSA 302 and 306 (minimum grade of "C"). An in-depth analysis of health care reimbursement systems; health insurance fraud and abuse; and procedures for patient accounting and cash flow forecasting.

HSA 375 Health Services Administration. (3) I, II. Prerequisites: MGT 301 or 300, MGT 320; HSA 302 (minimum grade of "C"). Application of financial principles, strategic planning, marketing, and leadership skills to selected health care organizations.

HSA 401 Legal Issues in Health Care. (3) I, II. Prerequisite: HSA 100 with a minimum grade of "C". Legal status, documentation requirements, and liability related to medical records and health care issues.

HSA 405 Clinical Information Management. (3) I, II. Prerequisites: HSA 370, HSA 401, HSA 406 (minimum grade of "C"). Review of health trends related to the management of clinical information systems. Course format will include mock committee meetings and role playing.

HSA 406 Health Care Quality Management. (3) I, II. Prerequisites: HSA 302, 303, STA 215 or 270 (minimum grade of "C"). A study of total quality management, utilization review, and risk management functions in a health care setting.

HSA 407 Advanced Health Services Administration. (3) I, II. Prerequisite: HSA 375 (minimum grade of "C"). Advanced study in trends relating to the management of health care organizations and the leadership role of health services administrators.

HSA 409 Health Services Research Methods. (3) I, II. Prerequisites: HSA 302, 303, STA 215 or 270 (minimum grade of "C"). 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.

HSA 411 Professional Practice Experience II. (1) I, II. Prerequisite: department approval. Internship assignment to health care organization for observation of its functions and management.

HSA 412S Professional Practice Experience II. (1) I, II. Prerequisite: department approval. Internship assignment to health care organizations for observation and practice of supervisory functions.

HSA 413 Professional Practice Experience III. (4) I, II. Prerequisite: department approval. Internship assignment to health care organizations for observation and practice of management functions.

HSA 415 Professional Certification Preparation (1) I, II. Corequisite: HSA 413. Preparation for the Registered Health Information Administrator (RHIA) certification exam. Course focuses on the content domains included on the exam and development of general test-taking skills.

HSO—Health Sciences Orientation
Dr. Sheila Pressley, Interim Dean

HSO 100 Student Success Seminar. (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 EKU; beyond that open to students with fewer than 30 semester hours earned.

HSR—Human Services

Dr. Will Place, Chair

HSR 300 Introduction to Counseling and Human Services (3) A. This introductory course will cover the functions, history, ethical standards, theories, basic listening skills, and cultural competencies required for professionals in the field of Human Services.

HSR 305 Introduction to Career Decision-Making (3) A. Topics will include use of career information, elements of self-awareness, career exploration, decision making, and skill identification, developing personal career interest, values clarification, skill reviews; and job search skills.

HSR 400 Introduction to Human Development (3) A. This course focuses on human development throughout the lifespan, from birth to death. Students will examine central concepts related to human development as well as continuity and change within the developing individual.

HSR 405 Appalachian Issues in a Multicultural Society (3) A. This course addresses issues relevant for those who will work in human services and require knowledge of issues relevant to Appalachian recipients of service.

HSR 410 Contemporary Issues in Counseling and Human Services (3) A. An overview of Counseling and Human Services. Focus is on ethics, practice, current research and topical events related to the Counseling and Human Services professions.

HSR 415 Human Services Administration (3) A. Includes skills and knowledge involved in effective development and administration of small human services programs and agencies: organizing, setting goals, and estimating needs, recruiting, selecting, orienting, supervising, and evaluating employees; securing and managing financial resources.

HUM—Humanities

Dr. Abbey Poffenberger, Chair

HUM 124 Humanities and the Search for Meaning. (3) I, II. An introduction to the comparative and interdisciplinary study of culture, including Western and non-Western literature, visual art, music, and design, emphasizing integrative thinking as a means toward affirming values for living meaningfully in today's world. Gen. Ed. E- 3A, 3B.

HUM 226 The Search for Meaning: The Ancient World. (3) I, II. Comparative and interdisciplinary approaches to the study of culture in the ancient world, including Western and non-Western literature, drama, visual art, architecture, and religion/philosophy in historical context; emphasis on integrative thinking and exploration of living meaningfully from the ancient perspective. Gen. Ed. E- 3A, 3B.

HUM 228 The Search for Meaning: The Modern World. (3) I, II. An introduction to the comparative and interdisciplinary study of culture in the modern world, including Western and non-Western literature, visual art, music, film, and religion/philosophy; emphasis on integrative thinking and exploration of values for living meaningfully in the modern world. Gen. Ed. E.3A, 3B.

HUM 300 Humanity in the Postmodern Age. (3) A. Prerequisite: ENG 102, 105(B), or HON 102. Comparative and interdisciplinary approaches to the study of culture since 1945, including study of Western and non-Western works of literature, visual art, music, film, and religion/philosophy; focus on integrative thinking as a means toward affirming values for living meaningfully in the contemporary world. Credit will not be awarded for both HUM 300 and 300W. Gen. Ed. E- 3A, 3B.

HUM 300W Humanity in the Postmodern Age. (3) A. Prerequisite: ENG 102, 105(B), or HON 102. Comparative and interdisciplinary approaches to the study of culture since 1945, including study of Western and

non-Western works of literature, visual art, music, film, and religion/philosophy; focus on integrative thinking as a means toward affirming values for living meaningfully in the contemporary world. Credit will not be awarded for both HUM 300 and 300W. Gen. Ed. E-3A,3B [AH].

HUM 302 Comparative Humanities. (3) A. An introduction to classic, formalist, structuralist, and post-structuralist approaches to the analysis of literature, visual culture, music, the dramatic arts, and design. Emphasis on integrative thinking.

HUM 320 Classical Humanities. (3) A. Critical analysis of visual culture, literature, architecture, and thought from prehistory, archaic and classical cultures: Egypt, Greece, Rome reflecting the achievements and values of the ancient Mediterranean civilizations.

HUM 330 Medieval Humanities. (3) A. Critical analysis of art, music, and literature from the Judaic, Christian and Islamic traditions emphasizing the confluence of these traditions in the European Middle Ages.

HUM 340 Renaissance and Enlightenment. (3) A. Critical analysis of art, music, and literature from the Renaissance, Baroque, and the Enlightenment reflecting the religious and secular energies of Western culture and the colonial world.

HUM 350 Modern Humanities. (3) A. Science, globalization, and cultural diversity in the Modern World; critical analysis of art, music, and literature reflecting the modernization of culture and the human condition since the Enlightenment.

HUM 360 Topics in Non-Western Traditions: _____ (3) A. Prerequisite: ENG 102, ENG 105(B), or HON 102. Studies in the literature, visual and dramatic arts, music, and design of non-Western cultures. This course may focus on a single non-Western tradition or on a few inter-related non-Western traditions in a given semester. Repeatable up to six hours with permission of department chair. Gen. Ed. E-6 [GE].

HUM 395 Independent Work in Humanities. (1-3) A. Prerequisite: HUM 226 or 228. 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 if topic is different.

HUM 490 Topics in Humanities: _____ (3) A. Selected topics in Interdisciplinary Humanities. May be repeated with permission of the department for up to six hours.

HUM 499 Humanities Thesis. (3) A. An in-depth thesis project, approved by the department chair, directed by a Humanities faculty member, and presented in the form of a research paper with appropriate visual or audio materials.

IES—Foreign Exchange Studies

Jennifer White, Director

IES 300 Foreign Exchange Study. (1-12) I, II. Prerequisites: sophomore standing, and approval from the Education Abroad Director. This course is used as a placeholder until a transfer transcript from the international institution or school of record is received, at which time this course is replaced with the transfer course.

INF—Informatics

Dr. Ka-Wing Wong, Chair

INF 101 Introduction to Online Learning (1) A. Formerly CSC 101. Prepare students to take online courses at EKU including the use of the Blackboard learning environment. Help students acquire basic skills to be successful in online learning. Credit will not be awarded to students who have credit for CSC 101.

INF 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 CSC

104. 3 Lec (1 Lab when taught in large lecture sections).

INF 105 Software Applications Topics: _____ (1-3) A. Formerly CSC 105. 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.

INF 110 Introduction to the Internet. (1) I, II. Formerly CSC 110. 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. Credit will not be awarded to students who have credit for CSC 110.

INF 120 Introduction to Multimedia. (3) I, II. Formerly CSC 120. Introduction to multimedia technology and computerized visual communication. Topics include video editing, media file processing, video streaming, computer graphics. Credit will not be awarded to students who have credit for CSC 120.

INF 123 Exploring Virtual Worlds. (3) A. Formerly CSC 123. Exploration of the technologies used in virtual environments and their effects on society. Review of technology driving virtual environments with historical context. Emerging technology. Social/economic consequences. Possible future outcomes through new technologies and science fiction. Credit will not be awarded to students who have credit for CSC 123.

INF 130 3D Printing (3) A. Exploration of the technologies used in the 3D printing process. Development of skills needed to generate content for 3D printing. Software-driven solutions to 3D printing issues. Emerging technology. Social/economic consequences. Credit will not be awarded to students who have credit for previous Special Topics course: 3D Printing.

INF 301 Current Topics in Informatics: _____ (3) A. Formerly CSC 301. Prerequisite: CSC 104, 212, or equivalent. Introduction to contemporary topics in informatics. May be retaken to a maximum of six hours provided the topics are different.

INF 307 Cyberspace Security and Ethics. (3) A. Formerly CSC 307. Prerequisite: ENG 102, ENG 105(B), or HON 102. A non-technical survey of computing, including computers' effect on society, computer crime, viruses and other threats, and self-protection in an online environment. Credit will not be awarded to students who have credit for CSC 307.

INF 314 MS Office & Data Analysis. (3) A. Formerly CSC 314. Prerequisite: "C" or higher in CSC 104, 212, or equivalent. Designing advanced Excel spreadsheets and Access databases to manage data problems with an emphasis on data calculations, data analysis, and organization of data. Credit will not be awarded to students who have credit for CSC 314.

INF 318 Mobile Device Security & Privacy (3) A. Formerly CSC 318. Prerequisite: ENG102, 105(B), or HON 102. Introductory course on mobile device security and privacy. Topics include mobile devices including smart phones, tablets and others; mobile device threats; mobile device security including planning and implementation; mobile device privacy. Credit will not be awarded to students who have credit for CSC 318.

INF 321 Computer Forensics I (A). Formerly CSC 321. Prerequisite: ENG 102, 105(B) or HON 102. Introductory course on computer forensics. Topics include computer forensics concept, digital evidence, law and regulations, computer forensics lab, computer forensic investigation, digital forensics report, court testimony, ethics and codes to expert witness. Credit will not be awarded to students who have credit for CSC 321.

INF 322 Computer Forensics II (A). Formerly CSC 322. Prerequisite: CSC 321 with a minimum grade of "C", or INF 321 with a minimum grade of "C". Introductory course on computer forensics. Topics include digital evidence, digital forensics investigation procedure, evidence identification, data acquisition, crime scene processing, digital forensics tools, quality assurance, evidence processing, investigation report, and court testimony. Credit will not be awarded to students who have credit for CSC 322.

INF 330 2D Animation (3) A. Prerequisite: ART 100, BEM 240, INF 120, INF 130, CSC 140, or TEC 190. Introduction to 2D animation for use

in animation and games. Graphical tablets will be used to learn various digital drawing techniques and key-framing, onion-skinning, rigging will be used for animation generation leading to sprite-sheet assets. Credit will not be awarded to students who have credit for previous Special Topics course: 2D Animation.

INF 430 Digital Sculpting (3) A. Prerequisite: ART 100, INF 130, INF 330, or CSC 315. Navigate and utilize 3D sculpting tools. Create animation ready meshes and game ready models and textures. Learn appropriate terminology and vocabulary in the discussion of 3D assets. Credit will not be awarded to students who have credit for previous Special Topics course: Digital Sculpting.

INF 495 Independent Work. (1-3) I, II. Prerequisites: ENG 102, 105(B), or HON 102, and 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 twelve hours.

INF 507 Special Topics in Informatics: _____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken to a maximum of six hours with advisor approval, provided the topics are different.

INF 510 Web Design and Programming in Education. (3) A. Formerly CSC 510. Introduction to design and implementation of World Wide Web applications for teachers. Development of interactive on-line class notes and testing materials. Credit will not be awarded to students who have credit for CSC 510.

INF 511 Game Design. (3) A. Prerequisite: CSC 316. Fundamentals of designing both digital and non-digital games. In-depth study of choice, motivation, and reward in gameplay systems. Additional topics related to gamification, monetization, and serious games also covered.

INF 512 Game Production and Publication. (3) A. Prerequisite: CSC 316. Review of historical and current aspects of the games industry from AAA to indie. Project Management, Agile Development in Games, Project funding, IP protection, Collaborations, and other game release issues.

INS—Insurance
Dr. Oliver Feltus, Chair

INS 349 A-N Cooperative Study: Insurance. (5-8) A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required per credit hour. Six hours may be used as a major elective. May be repeated for a total of 16 credit hours.

ITP—Interpreter Training Program
Dr. Laurence Hayes, Interim Chair

ITP 215W Professional Issues in Interpreting. (3) II. Prerequisites: ENG 101 and 102 with a grade of “C” or higher; or HON 105 or ENG 105 with a grade of “B” or higher. ASL 201 and ASL 225 with minimum grades of “C” or departmental approval. Terminology, procedures, and ethical professional considerations relevant to interpreting and transliterating. Topics include the Code of Professional Conduct application, structuring the interpreting environment, communication assessment, human relations skills, historical developments, and current trends. Credit will not be awarded for both ITP 215 and ITP 215W.

ITP 220 Processing Skills for Interpreters. (3) II. Prerequisite: ASL 201 with a minimum grade of “C” or departmental permission. Practice of cognitive skills used in the process of interpreting. Skills include visualization, prediction, listening, memory, abstracting, closure, dual tasking, and processing time.

ITP 310 Professional Decision Making and Ethics I. (3) I. Prerequisite: admission in the interpreting program or departmental permission. This

course provides students with the theoretical foundation for professional and ethical decision making. It explores multiple perspectives on the role and function of the interpreter. Clinical hours required.

ITP 320 English-to-ASL Interpreting I. (3) A. Prerequisites: admission in the interpreting program, ASL 202, ITP 215 or 215W, 220 with minimum grades of “C” or departmental permission. Development of English-to-ASL interpreting skills using consecutive and simultaneous modes with a variety of source materials. Clinical hours required.

ITP 325 ASL-to-English Interpreting I. (3) I. Prerequisites: admission to the interpreting program, ASL 202, ITP 215 or 215W, 220 with a minimum grade of “C” or departmental permission. Development of interpreting skills progressing from written translation to consecutive interpreting/transliterating in a variety of settings. Clinical hours required.

ITP 330 Ethics and Special Settings I. (3) II. Formerly ITP 370. Prerequisite: ASL 202(C) and admission to the ASL and English Interpretation program or departmental approval. Critical analysis of interpreting in various settings. Development of communication and ethical decision-making skills. Clinical hours required.

ITP 340 Interactive Interpreting I. (3) II. Prerequisites: ASL 301, ITP 220, and 325 with a grade of “C” or higher and admission to the interpreting program or departmental approval. Exploration of meaning creation in interaction both theoretically and practically through observation and engagement in monolingual and bilingual interactions. Consideration of the impact of the presence of an interpreter on the creation of meaning in interactions.

ITP 380 Special Topics in Interpreting: _____. (1-3) A. Prerequisite: departmental approval. For independent work, special workshops, or special topics related to the field of interpreting beyond the scope of regularly offered courses. May be taken to a maximum of 9 hours provided subtitle/topics vary.

ITP 385 Independent Work Interpretation. (1-3) A. Prerequisite: Departmental approval. For independent work related to the field of interpretation beyond the scope of regularly offered courses. May be taken to a maximum of 6 hours provided subtitle/topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ITP 390 Linguistics and ASL I. (3) II. Prerequisites: admission in the Interpreter Training program, ASL 301 with a minimum grade of “C” or departmental 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 410 Professional Decision Making and Ethics II. (1) Prerequisites: ITP 310 with a grade of “C” or higher and admission to the interpreting program or departmental approval. This course continues students’ exploration of professional and ethical decision making moving from the theoretical foundations of ITP 310 to practical application. Clinical hours required.

ITP 420 English-to-ASL Interpreting II. (3) I. Prerequisites: admission in the interpreting program, ASL 302, ITP 320, 325 with a minimum grade of “C” or departmental permission. Continued development of English-to-ASL interpreting skills with added focus on registers, settings, and audience preferences. Clinical hours required.

ITP 425 ASL-to-English Interpreting II. (3) I, II. Prerequisites: ITP 325 with a minimum grade of “C” or admission to the ASL and English Interpretation program or departmental approval. Continued development of ASL-to-English interpreting skills in a variety of settings. Clinical hours required.

ITP 430 Ethics & Special Settings II. (3) I. Prerequisites: admission in the interpreting program, ASL 302, ITP 320 and 325 with minimum grades of “C” or departmental permission. Continued critical analysis of interpreting in various multicultural and specialized settings. Continued development of ethical and culturally competent decision-making skills. Clinical hours

required.

ITP 440 Interactive Interpreting II (3) I. Prerequisites: Admission to the interpreting program, ASL 302, ITP 340, 325 with a grade of “C” or higher, and admission to the interpreting program or departmental approval. Students will integrate, broaden, and apply skills and knowledge developed in interpreting courses by experiential practice in interactive interpreting. Students will develop skills in interpreting conversations, discussions, explanations, interviews, and other types of dialogue genres.

ITP 470 Practicum in Interpreting I. (3) I. Prerequisites: ASL 302, ITP 325, 340, 425, with a grade of “C” or better and admission to the interpreting program or departmental approval. Observation and interpreting experience under the supervision of a mentor(s) in a variety of settings. Clinical hours required.

ITP 490 Linguistics and ASL II. (3) I. Prerequisites: admission in the Interpreter Training program, ITP 390 with a minimum grade of “C” or departmental permission. Overview of syntax, discourse, and sociolinguistics. Analysis of American Sign Language and spoken languages. Clinical hours required.

ITP 495 Practicum in Interpreting II. (12) I, II. Prerequisites: admission in the Interpreter Training program, ITP faculty approval, completion of all other ASL/ITP classes with minimum grades of “C”. 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 495 student practicum handbook. Potential practicum sites may be local, state wide, regional or national.

JPN—Japanese
Dr. Abbey Poffenberger, 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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

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. Victor Kappeler, Dean

JSO 100 Student Success Seminar. (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 EKU; beyond that open to students with fewer than 30 semester hours earned.

LAS—Paralegal
Dr. Lynnette Noblitt, Chair/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. Credit will not be awarded for both LAS 300 and LAS 300W.

LAS 300W Legal Research and Writing II. (3) A. Prerequisite: LAS 220. The sources and techniques of advanced legal research and writing, the use of computer-assisted legal research methods and their application. Credit will not be awarded for both LAS 300 and LAS 300W.

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 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. Credit will not be awarded for both LAS 330 and LAS 330S.

LAS 330S 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. This is a Service-Learning Course. Credit will not be awarded for both LAS 330 and LAS 330S.

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: Evidence to Discovery. (3) A. Prerequisites: LAS 220 or director approval. Study of legal principles and paralegal practice in substantive civil law. Incorporates procedural aspects of the early stages of civil litigation including evidence and investigation, pleadings, and the discovery/disclosure process.

LAS 355 Litigation: Trial to Appeal. (3) I, II. Prerequisite: LAS 220 or Director Approval. Study of

legal principles and paralegal practice in substantive civil law. Incorporates procedural aspects of the latter stages of civil litigation including settlement and ADR, trial preparation, trial, post-trial practice, and appeal.

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 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, acquisition, 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 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. Abbey Poffenberger, 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. E-6 [GE].

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. E-6 [GE].

LGS—Legal Studies
Dr. Lynnette Noblitt, Chair

LGS 300 Introduction to Legal Studies (3) A. Prerequisite: ENG 102, ENG 105, or HON 102. Examination of foundations and liberal arts perspectives of legal studies. Topics include comparative and historical introduction to forms, institutions, processes, and systems of law along with research methods for

understanding questions of law and justice.

LGS 305 Special Topics: _____ (3) A. Prerequisite: LGS 300. Exploration of topics not covered in the existing LGS curriculum. May be taken for a maximum of six hours provided that subject matter is different each time.

LGS 306 Animals and the Law. (3) A. Formerly LAS 306. The study of topics that relate to the status of animals under the law. The course focuses upon cases, legislation, and cultural values toward animals world-wide. Credit will not be awarded to students who have credit for LAS 306.

LGS 349 Applied Learning for Legal Studies (.5-8) A. Prerequisite: LGS 300. Work or volunteer in an area related to Legal Studies. A minimum of 80 hours employment required for each semester hour credit. No more than 3 hours may count toward LGS program.

LGS 400 Legal Studies Senior Seminar (3) A. Prerequisite: LGS 300 and at least six hours of LGS electives. Conduct research in an area related to Legal Studies, write a research paper, and present an oral presentation on research conducted. No more than 3 hours may count toward LGS program.

LIB—Library Science
Dr. Ginni Fair, Chair

LIB 301 Children's Literature and Related Materials. (3) I, II. Prerequisite: ENG 101 with a minimum grade of "C", or ENG 105 with a minimum grade of "B". 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. Credit will not be awarded for both LIB 301 and 301S.

LIB 301S Children's Literature and Related Materials. (3) I, II. Prerequisite: ENG 101 with a minimum grade of "C" or ENG 105 with a minimum grade of "B"; and EDF 203 or EDF 310, with a grade of "C" or higher. 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. Students in LIB 301S will be required to complete 15 hours of approved community service. Credit will not be awarded for both LIB 301 and 301S.

LIB 401 Adolescent Literature and Resources. (3) A. Formerly LIB 501. A course designed with inquiry-based methodologies to future teachers' knowledge of adolescences, adolescent literature, and resources. Topics include genres, censorship, diverse authors, assessment, and multiple literacies to increase motivation, understanding and appreciation of adolescent literature. Credit will not be awarded for both LIB 401 and 501.

MAE—Mathematics Education
Dr. Daniel Mundfrom, Chair

MAE 201 Mathematical Concepts for P-9 I (3) Prerequisites: MAT 112 or higher with a grade of "C" or better. Concepts beyond algorithmic computation are emphasized. Topics include problem solving, whole numbers, integers, mental math, numeration, and elementary number theory. Credit will not be awarded to students who have credit for MAT 201.

MAE 202 Mathematical Concepts for P-9 II (3) Prerequisites: MAT 112 or higher and MAE 201 each with a grade of "C" or higher. Concepts beyond algorithmic computation are emphasized. Topics include rational numbers (fractions, decimals, and percent) real numbers, probability, and statistics. Credit will not be awarded to students who have credit for MAT 202.

MAE 301 Mathematics for Elementary Teachers III (3) A. Prerequisites: MAT 201 and one of MAT 112, 114, 120, 122, 211 or 234/234H, with a grade of C or better in each. Prerequisite/corequisite: MAT 202. The course emphasizes conceptual understanding and communication of mathematical topics in the K - 5 Kentucky Core Academic Standards through problem solving and technology. Credit does not apply toward Middle Grades Mathematics Teaching degree content

requirements.

MAE 302 Mathematical Concepts for P-9 III. (3) I, II. Cross-listed as EME 301. Prerequisites: Admission to professional education; MAT 112 or higher and MAE 202, each with a grade of “C” or better. Concepts beyond algorithmic computation are emphasized. Topics include algebraic thinking, basic algebra topics (i.e. variables, expressions, equations, graphs and linear problems solving) and geometry. Credit will not be awarded to students who have credit for EME 301.

MAE 305 Problem Solving and Technology. (3) II. Prerequisite: MAE 202 and EDF 204 with a grade of C or better. Prerequisite or Corequisite: MAE 302 or EME 301. The course will enable students to use technology effectively in the mathematics classroom and explore topics to deepen mathematical understanding.

MAE 475 Math Teaching Senior Seminar. (3) I. Formerly MAT 475. Prerequisites: admission to teacher education program and a minimum 2.75 GPA in major and supporting course requirements for MAT teaching major. Emphasis on the interrelationship between mathematical topics. Problem solving with technology. Oral presentation on a topic selected jointly with the instructor. Credit will not be awarded for both MAE 475 and MAT 475.

MAE 480 Seminar in: _____. (1-3) A. Prerequisite will vary with the topic offered. Advanced topics in undergraduate mathematics education. May be retaken to a maximum of nine hours, provided the topics are different.

MAE 504 Technology for Teaching & Research. (3) A. Prerequisite: Senior standing. Technology for mathematical and statistical teaching and research. Exploration of mathematical and statistical concepts through the use of computer algebra systems, statistical software, geometry software, programming languages, and related technologies.

MAE 507 Seminar in Mathematics Education: _____. (1-3) A. Prerequisite will vary with the topic offered. Topics vary with offering. May be retaken to a maximum of nine hours, with advisor approval, provided the topics are different. Credit towards degree requirements will depend on the course content.

MAE 550 Teaching Mathematics in the Secondary School. (3) I. Cross-listed as ESE 550. Prerequisites: EDF 319, admission to professional education. Pre/Corequisites: EDF 413, SED 401. Corequisite: ESE 349. Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Credit will not be awarded for both ESE 550 and MAE 550.

MAT—Mathematics
Dr. Daniel Mundfrom, Chair

MAT 090A Prealgebra A (1) Institutional Credit. I, II. Corequisites: MAT 090B, MAT 090C. Whole number and integer arithmetic, order of operations, introduction to solving equations, and a strong strand of geometry. 1 Lec/1 Lab.

MAT 090B Prealgebra B (1) Institutional Credit. I, II. Corequisite and/or Prerequisite: MAT 090A. Corequisite: MAT 090C. Fraction and decimal arithmetic, ratio and proportion, basic percent concepts, measurement, and radicals. 1 Lec/1 Lab.

MAT 090C Prealgebra C (1) Institutional Credit. I, II. Corequisite and/or Prerequisites: MAT 090A, 090B. Basic algebraic concepts such as solving linear equations, graphing equations in two variables, understanding algebraic expressions, polynomials and exponents. 1 Lec/1 Lab.

MAT 095A Introductory Algebra A (1) Institutional Credit. I, II. Prerequisite: MAT 090C or MAT 090 or placement into MAT 095A; ACT mathematics subscore of 16 or higher. Corequisites: MAT 095B, MAT 095C. Real number system, algebraic expressions, linear equations and inequalities, integer exponents, polynomials, and basic descriptive geometry. 1 Lec/1 Lab.

MAT 095B Introductory Algebra B (1) Institutional Credit. I, II. Corequisite and/or Prerequisite: MAT 095A. Corequisite: MAT 095C. Factoring polynomials, quadratic equations, and radical expressions. 1 Lec/1 Lab.

MAT 095C Introductory Algebra C (1) Institutional Credit. I, II. Corequisite and/or Prerequisites: MAT 095A, 095B. Linear equations and inequalities, systems of equations, graphing quadratic equations, and an introduction to relations and functions. 1 Lec/1 Lab.

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 one way to prepare for MAT 112 or 114, 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 105 Mathematics with Applications. (3) I, II. Prerequisite: completion of all University developmental requirements. This course is designed to strengthen computational skills, mathematical reasoning, problems-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. E-2 [QR].

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, game theory, probability, geometry, and problems from the social sciences. 3 Lec. Gen. Ed. E-2 [QR].

MAT 110 Introduction to Algebraic Functions. (3) I, II. Prerequisite: Completion of all University developmental requirements. Algebraic modeling with linear, quadratic, polynomial, rational, exponential, and logarithmic functions, equations, and inequalities. 3 Lec/1 Lab. Gen. Ed. E-2 [QR].

MAT 112 Algebra and Applications. (3) I, II. Prerequisite: MAT 098 or 110 with a grade of “C” or better, a minimum score of 22 on the mathematics portion of the ACT, a minimum score of 510 on the mathematics portion of the SAT, or a passing score on an algebra placement test. Students will solve application problems involving linear and quadratic equations, matrices, systems of linear equations, series and sequences, logarithmic and exponential equations; and analyze graphs of linear, quadratic, exponential, logarithmic and power functions. 3 Lec /1 Lab. Gen. Ed. E-2 [QR].

MAT 114 College Algebra. (3) I, II. Formerly MAT 107. Prerequisite: MAT 098 or 110 with a grade of “C” or better, a minimum score of 22 on the mathematics portion of the ACT, a minimum score of 510 on the mathematics portion of the SAT, or a passing score on an algebra placement test. Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions. Use of graphing calculators. Credit will not be awarded to students who have credit for MAT 107. 3 Lec /1 Lab. Gen. Ed. E-2 [QR].

MAT 120 Trigonometry. (3) I, II. Formerly MAT 108. Prerequisite: MAT 112 or 114 with a grade of “C” or better, a minimum score of 22 on the mathematics portion of the ACT, or a minimum score of 560 on the mathematics portion of the SAT. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Use of graphing calculators. Students who have completed MAT 122 with a grade of “C” or better, or are currently enrolled in MAT 122, will not receive credit for MAT 120. Gen. Ed. E-2 [QR].

MAT 122 Precalculus Mathematics. (5) I, II. Formerly MAT 109. Prerequisite: MAT 112 or 114 with a grade of “C” or better, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 570 on the mathematics portion of the SAT. 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 conic sections. Use of graphing calculators. Credit will not be awarded to students who have credit for MAT 109. Gen. Ed. E-2 [QR].

MAT 201 Mathematical Concepts for Middle and Elementary School Teachers I. (3) I, II. Prerequisites: MAT 112 or higher with a grade of “C” or better, and a passing score on a mastery exam. (The prerequisite course requirement can be met by a combination of MAT 106 and a 23 or higher on the mathematics portion of the ACT.) Concepts beyond algorithmic computation are emphasized. 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. Prerequisites: MAT 201 and another MAT course numbered 112 or higher with a grade of C or better in each; and a passing score on a mastery test. (The MAT requirement of a MAT course numbered 112 or higher can be met by a combination of MAT 106 and a 23 or higher on the mathematics portion of the ACT.) Concepts stressed over manipulation. Geometry, measurement, metric system, probability and basic statistics.

MAT 203 Geometry for Middle and Elementary School Teachers. (3) II. Prerequisites: admission to a certification program in elementary or middle school; MAE 201; MAE 202; one of MAE 302, EME 301; and one of MAT 112, MAT 114, MAT 211, or MAT 234 or 234H, with a grade of C or better in each course and a combined grade point of 2.75 in the four 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 211 Applied Calculus. (3) A. Prerequisite: MAT 112, 114, or 120 with a grade of “C” or better, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 570 on the mathematics portion of the SAT. Functions and graphs, differentiation, integration, exponential and logarithmic functions, and applications for business, economics, and science. Credit will not be awarded to students who have credit for MAT 261. Gen. Ed. E-2 [QR].

MAT 217 MathExcel Lab for Calculus I (1-2) I, II. Formerly MAT 117. Prerequisite or Corequisite: MAT 211, 234 or 234H. This lab is to accompany a regular lecture class in Calculus I. 4 Lab. Credit will not be awarded to students who have credit for MAT 117.

MAT 218 MathExcel Lab for Calculus II. (1-2) I, II. Prerequisite/Corequisite: MAT 244 or 244H. 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. Prerequisite/Corequisite: MAT 254 or 254H. This lab is to accompany a regular lecture class in Calculus III. No more than four credit hours of MAT 217, MAT 218 and MAT 219 will count toward the baccalaureate degree. 4 Lab.

MAT 234 Calculus I. (4) I, II. Formerly MAT 124. Prerequisite: MAT 122 with a grade of “C” or better, a minimum score of 25 on the mathematics portion of the ACT, or a minimum score of 590 on the mathematics portion of the SAT. 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 124 or 234H. Gen. Ed. E-2 [QR].

MAT 234H Honors Calculus I. (4) A. Formerly MAT 124H. Prerequisite: MAT 122 with a grade of "C" or better, a minimum score of 27 on the mathematics portion of the ACT or a minimum score of 640 on the mathematics portion of the SAT. 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 234. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 124, 124H or 234. Gen. Ed. E-2 [QR].

MAT 239 Linear Algebra and Matrices. (3) I, II. Formerly MAT 214. Prerequisite: MAT 234 or 234H with a grade of "C" or better. 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. Credit will not be awarded to students who have credit for MAT 214.

MAT 244 Calculus II. (4) I, II. Formerly MAT 224. Prerequisite: MAT 234 or 234H with a grade of "C" or better. 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 224, 224H or 244H.

MAT 244H Honors Calculus II. (4) A. Formerly MAT 224H. Prerequisite: MAT 234H with a grade of "C" or better. 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 244. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 224, 224H or MAT 244.

MAT 254 Calculus III. (4) I, II. Formerly MAT 225. Prerequisite: MAT 244 or 244H with a grade of "C" or better. 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 225, 225H or 254H.

MAT 254H Honors Calculus III. (4) A. Formerly MAT 225H. Prerequisite: MAT 244H with a grade of "C" or better. 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 254. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 225, 225H, or 254.

MAT 301 Logic and Set Theory. (3) A. Prerequisites: Minimum grades of "C" and a grade point average of at least 2.5 in MAT 239, 244 or 224H, or departmental approval. Logic, proof techniques, set theory, relations, functions, cardinality, introduction to advanced mathematics.

MAT 303 Mathematical Models and Applications. (3) II. Prerequisites: A grade of C or higher in MAT 112, 114, 211, or 234 or 234H. Prerequisite or Corequisite: MAT 203 with a grade of C or better. The course emphasizes conceptual understanding and communication of mathematical topics through modeling, problem solving, and technology. Topics include algebra, geometry, and real-world situations. Credit does not count toward any of these: the B.S. in mathematics, the B.S. in mathematics teaching, or the mathematics minor.

MAT 306 Discrete Mathematics. (3) II. Prerequisites: MAT 239, MAT 244, 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 308 Modern Algebra I. (3) I. 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) II. Prerequisite: MAT 254 or 254H, and 301, each 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. (5-8) 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-N Cooperative Study: Mathematics. (5-8) 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 244 or 244H 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 departmental 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 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 498 Mathematics Capstone. (1) A. Cross-listed as STA 498. Prerequisite: senior status as either a Mathematics or Statistics major. Designed to enable students to synthesize and integrate their mathematical and statistical knowledge. Students will learn how to conduct research and present the results. Credit will not be awarded for both MAT 498 and STA 498.

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 and MAE 305. Topics in geometry appropriate for teachers of grades P-9. Credit does not apply toward either 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 520 Mathematical Statistics I. (3) I. Cross-listed as STA 520. Prerequisite: STA 215 or 270. Prerequisite or Corequisite: MAT 254 or 254H. Descriptive statistics, discrete and continuous probability distributions for one and two variables, functions of random variables, sampling distributions, expectations and generating functions. Credit will not be awarded to students who have credit for STA 520.

MAT 525 Vector Analysis with Applications. (3) A. Prerequisite: MAT 254 or 254H 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 527 Cryptology. (3) A. Prerequisites: Senior standing and MAT 301. Classical cryptosystems, basic number theory, DES, Advanced Encryption Standard, RSA, discrete logs, digital signatures, elliptic curve cryptosystem, lattice methods. It is strongly recommended that students have completed a course in proof writing.

MAT 535 Principles of Geometry. (3) A. Prerequisite: MAT 334 with a minimum grade of "C." Two- and three-dimensional analytical Euclidean geometry, alternate geometries such as hyperbolic, Riemannian, taxicab, and affine.

MAT 540 Applications of Partial Differential Equations. (3) A. Prerequisite: MAT 353 with a minimum grade of "C." Wave, heat/diffusion and potential/Laplace equations, separation of variables, orthogonal sets of functions, Fourier series, boundary value problems, Fourier integrals, maximum principles, the Cauchy problem.

MAT 550 Applications of Complex Analysis. (3) A. Prerequisite: MAT 254 or 254H, or 353, each 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 of "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.

MAT 565 Mathematical Methods for Protein Structure Analysis. (3) A. Prerequisites: Senior

standing, MAT 239, and three hours from CSC 160, 174, 177, or 190. Mathematical and computational approaches to protein structure determination, refinement, evaluation, comparison, and visualization. Methods for determining atomic structures. Protein surface representation and shape comparison. Structure databases. It is strongly recommended that students have completed a course in linear algebra and have experience in computer programming.

MAT 577 Introduction to Algebraic Coding Theory. (3) A. Prerequisite: Senior standing; MAT 301, or both MAT 239 and departmental approval. Introduction to basic concepts of coding theory, linear codes, perfect codes, cyclic codes, BCH codes, and Reed Solomon codes. Additional topics as time permits. It is strongly recommended that students have completed a course in linear algebra and a course in proof writing.

MGT—Management

MGT 201 Introduction to Golf Management. (3) I, II. Prerequisite (Effective Spring 2012): Admission to PGM program, and successful completion of the PGA Qualifying Exam. Introduces PGM students to the elements of the industry in which a PGA professional must be competent, the value of business planning in the golf industry, the key elements of a business plan and the elements that make a model golf shop, and the PGA Customer Relations Model.

MGT 202 Introduction to Golf Instruction. (3) I, II. Prerequisite: admission to the PGM program, MGT 201 and PGA tests accompanying MGT 201. Introduction to human learning, the teaching process, and the elements of the game. Topics include laws, principles, and preferences of the golf swing, biomechanics, and teaching technologies. The course also addresses golf club performance variables.

MGT 203 Golf Operations I. (3) I, II. Prerequisite (Effective Spring 2012): admission to PGM, MGT 201, MGT 202 and PGA tests that accompany each class. The fundamental concepts of operations, maintenance, planning and financing of the golf car fleet; the concepts involved in developing a facility's tournament business. Budget projecting, tournament promotion, and tournament software programs will also be presented.

MGT 204 Golf Operations II. (3) I, II. Prerequisite (Effective Spring 2012): admission to PGM program, MGT 201, 202, 203, and successful completion of all level 1 PGA exams. The introduction of golf operations; policies and procedures; effectively managing staff resources; and measuring overall performance. The course will also introduce merchandising and inventory management concepts.

MGT 205 Analysis of the Golf Swing. (3) I, II. Prerequisite (Effective Spring 2012): admission to the PGM program, MGT 201, 202, 203, and PGA tests accompanying each class. A focus on techniques that help the student improve his/her golf skills; describes drills, warm-ups, and shot techniques for intermediate students. The course also discusses golf club repair.

MGT 206 Golf Operations and Administration. (3) I, II. Prerequisite (Effective Spring 2012): admission to the PGM program, MGT 201, 202, 203, 204, 205, and the PGA tests that accompany each class. The recruitment and management of employees; human resource issues a PGA Professional faces; a performance system for supervising employees and delegating responsibilities; and career development strategies and examples of career-enhancing actions will be presented.

MGT 207 Advance Golf Instruction & Special Programs. (3) I, II. Prerequisite (Effective Spring 2012): admission to the PGM program, MGT 201, 202, 203, 204, 205, 206 and the PGA tests that accompany each class. Emphasizes the integration of learning, teaching, and game elements. Covers elements of the mental game and more advanced shot-making. Club-fitting procedures will be covered and the development of instructional programs will be introduced.

MGT 208 PGM Seminar. (2) I, II.

Prerequisites: admission to the PGM program, MGT 201, 202, 203, 204, 205, 206 with a grade of "C" or better in each course, and the PGA tests that accompany each class. A study of issues related to career planning and enhancement including industry job market analysis, networking, and professional development. A capstone project requiring research and critical analysis regarding growth of the game, golf operations, and other industry challenges will be presented. Emphasis on integration of knowledge acquired in previous courses. May be retaken up to six hours.

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 for both MGT 301 and 300.

MGT 320 Human Resource Management. (3) I, II. Prerequisite: MGT 300 or MGT 301 (with a minimum grade of "C" in each prerequisite course). 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 Innovation and Entrepreneurship. (3) A. Prerequisite: MGT 300 or MGT 301 (with a grade of "C" or better in each prerequisite course). This course offers 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 340 Management Science. (3) I, II. Prerequisite: QMB 200 (with a grade of "C" or better), or STA 215 or STA 270 (with a grade of "C" or better). 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. (.5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. May be used as upper division business electives and/or free electives as approved. Will not count as Management elective. Management Majors (all options) are limited to a maximum of nine co-op hours counting toward degree. Co-op hours may be repeated up to nine hours.

MGT 349 A-N Cooperative Study: Management. (.5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. May be used for upper division business electives and/or free electives as approved. Will not count as Management elective. Management Majors (all options) are limited to a maximum of nine co-op hours counting toward degree. Co-op hours may be repeated up to nine hours.

MGT 370 Operations Management. (3) I, II. Prerequisite: MGT 300 (with a minimum grade of "C"). 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 375 Supply Chain Management (3) A. Prerequisite: MGT 340 (with a minimum grade of "C"). The integration of key business processes from end-user through original suppliers that add value for customers and other stakeholders. Topics include: integration and strategic partnering, procurement and outsourcing strategies, value-added services and international challenges.

MGT 400 Organization Theory. (3) I, II. Prerequisite: MGT 300 or MGT 301 (with a minimum grade of "C" in each prerequisite course). Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.

MGT 410 Labor Relations. (3) I. Prerequisite: MGT 320 (with a minimum grade of "C"). 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 (with a minimum grade of "C"). 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 (with a minimum grade of "C" in each prerequisite course). 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 435 Supply Chain Network Design. (3) I. Prerequisites: MGT 370 and 375 (with a minimum grade of "C" in each prerequisite course). Selecting the optimal role, number, location, size, and capacity of suppliers, manufacturing facilities, service locations, warehouses, retail stores and other facilities. Modeling of the supply chain to optimize operational decisions and reduce costs.

MGT 440 Human Resource Development. (3) I. Prerequisite: MGT 320 (with a minimum grade of "C"). 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 (with a minimum grade of "C"). 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 Entrepreneurial Leadership (3) A. Prerequisite: MGT 300 or MGT 301 (with a minimum grade of "C" in each prerequisite course). Investigation of contemporary issues and trends in entrepreneurship through a leadership lens. Topics include values-based entrepreneurship, ethics, social responsibility, and the societal impact of entrepreneurship

MGT 480 Organization Behavior. (3) I, II. Prerequisite: MGT 300 or MGT 301 (with a minimum grade of "C" in each prerequisite course). 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/departmental 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. Weiling Zhuang, Interim 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 for both MKT 300 and 301.

MKT 306 Services Marketing. (3) A. Prerequisite: MKT 300 or MKT 301 (with a minimum grade of “C” in each prerequisite course). 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. Prerequisite: MKT 300 or MKT 301 (with a grade of “C” or better in each prerequisite course). 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).

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 315 Logistics. (3) A. Prerequisite: MKT 300 (with a minimum grade of “C”). Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation.

MKT 349 Applied Learning in Marketing. (5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. Three hours may be used as an upper division business elective in the Marketing option. Three hours are required in the Music Marketing option. May be repeated for a total of 16 credit hours.

MKT 349A-N Cooperative Study: Marketing. (5-8) A. Prerequisites: minimum GPA 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required for each credit hour. Three hours may be used as an upper division business elective in the Marketing option. Three hours are required in the Music Marketing option. May be repeated for a total of 16 credit hours

MKT 350 Consumer Behavior in Marketing. (3) I, II. Prerequisite: MKT 300 or MKT 301 (with a minimum grade of “C” in each prerequisite course). 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 370 Sports Marketing. (3) A. Prerequisite: MKT 300 or 301. The strategic application of marketing theories and perspectives to the sports industry. Topics include sports franchise promotion, sports identification, consumer loyalty to teams and participation sports, and marketing with the assistance of sports figures.

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 (with a minimum grade of “C”). 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 or 301 (with a minimum grade of “C” each prerequisite course). 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 300 or 301 (with a minimum grade of “C” in each prerequisite course). 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 405 Retail Management for PGM (3) I, II. Prerequisite: MKT 300 (with a minimum grade of “C”); junior/senior standing (a minimum of 60 hours). Investigation of current problems facing retail operations in the golf industry to include buying, vendor selection, merchandise planning, pricing, promotion, and display, inventory control, and performance management. Students will be required to complete case studies and a field project.

MKT 408 Sales Management. (3) A. Prerequisite: MKT 310 (with a minimum grade of “C”). 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 420 Marketing for the Arts. (3) A. Prerequisite: MKT 300 or MKT 301. Essentials of marketing and marketing strategies for the arts organizations and individual artists to reach diverse arts audiences.

MKT 431 Strategic Procurement. (3) A. Prerequisite: MKT 300 (with a minimum grade of “C”). 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 435 Marketing for Entrepreneurs (3) I. Prerequisite: MKT 300 or 301 (with a minimum grade of “C” in each prerequisite course). Investigation and understanding of the role marketing plays within the entrepreneurial context. Includes discussion and review of tools and approaches for effective planning, implementation, and evaluation of business and marketing strategies and tactics. Topics include: product creation, market research, strategic innovation, opportunity identification, customer communication, branding, and channels of distribution.

MKT 440 Industrial Marketing. (3) A. Prerequisite: MKT 300 (with a grade minimum of “C”). 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 or MKT 301 and QMB 200 (with a minimum grade of “C” in each prerequisite course). 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 456 Qualitative Research in Marketing. (3) A. Prerequisites: MKT 300 or MKT 301 and 455 with a grade of “C” or better in each prerequisite course; junior or senior standing with an overall minimum 2.5 GPA. Students will learn to design and actively engage in qualitative research projects, collecting and analyzing qualitative data such as interviews, in a marketing context.

MKT 457 Experimental Design for Marketing. I, II. (3) Prerequisite: MKT 455. Students will learn how to design an experimental study, collect and analyze the data in a marketing context, and interpret and present the analyses.

MKT 460 Marketing Management. (3) I, II. Prerequisites: MKT 300 (with a minimum grade of “C”), Marketing Majors with Marketing Concentration and Senior Standing. The strategic marketing planning process involving analysis of the changing market place; analysis of alternative strategies to meet the needs of target markets; and the profitable execution of the marketing plan.

MKT 481 Internship in Marketing. (3 or 6) A. Prerequisites: minimum 2.25 GPA, MKT 300, MGT 300, (with a minimum grade of “C” in each prerequisite course), 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/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, social topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

MLS—Medical Laboratory Science
Dr. Vonja Grabeel, Chair

MLS 201 Introduction to Clinical Pathology. (3) II. Formerly CLS 201. Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles of disease process. 3 Lec. Credit will not be awarded for both CLS 201 and MLS 201.

MLS 209 Medical Microbiology. (3) A. Formerly MLT 209. Open to all non-MLS majors. Study of bacteria, fungi, viruses, and parasites as agents of human disease with emphasis on the pathogenesis, epidemiology, and diagnosis of infectious diseases. 3 Lec. Credit will not be awarded for both MLS 209 and MLT 209.

MLS 211 Medical Microbiology Laboratory. (1) I, II. Formerly MLT 211. Open to all non-MLS majors. Prerequisite or Corequisite: MLS 209. Laboratory methods in the diagnosis and management of infectious diseases. 2 Lab. Credit will not be awarded for both MLS 211 and MLT 211.

MLS 290 Medical Biochemistry. (3) A. Formerly CLS 290. Prerequisite: CHE 112, 112L, and BIO 121 or BIO 111. The study of biochemical systems of the body with emphasis on medical consequences when these systems are disrupted. Topics: proteins, carbohydrates, lipids, DNA/RNA and liver functions. 3 Lec. Credit will not be awarded for both CLS 290 and MLS 290.

MLS 300 Clinical Laboratory Administration. (2) I. Formerly CLS 300. Prerequisite: enrollment in upper division MLS program or departmental approval. Lab calculations, instrumentation, and quality assurance. 2 Lec. Credit will not be awarded for both CLS 300 and MLS 300.

MLS 303 Clinical Laboratory Skills. (1) I, II. Formerly CLS 303. Prerequisite: enrollment in upper division MLS program or departmental permission.

Skills for clinical laboratory practitioners, including laboratory safety, phlebotomy, microscopy, pipetting, universal precautions, and principles of quality assurance. Credit will not be awarded for both CLS 303 and MLS 303.

MLS 305 Analysis of Body Fluids. (2) I. Formerly CLS 305. Prerequisite: enrollment in upper division MLS program or departmental approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Lec/Lab. Credit will not be awarded for both CLS 305 and MLS 305.

MLS 308 Clinical Serology. (2) I. Formerly CLS 308. Prerequisite: enrollment in upper division MLS program or departmental 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. Credit will not be awarded for both CLS 308 and MLS 308.

MLS 309 Clinical Immunology. (1) I, II. Formerly CLS 309. Prerequisite: enrollment in upper division MLS program or departmental approval. Principles and techniques of antigen-antibody reactions of the human immune system and their relationship to the clinical laboratory. Credit will not be awarded for both CLS 309 and MLS 309.

MLS 310 Hematology and Coagulation. (5) I. Formerly CLS 310. Prerequisite: enrollment in upper division MLS program or departmental approval. Morphology of blood cells, determination of blood parameters and disorders/diseases associated with blood cells; biochemistry, procedures and disorders/diseases in coagulation. 3 Lec/4 Lab. Credit will not be awarded for both CLS 310 and MLS 310.

MLS 320 Immunohematology. (3) II. Formerly CLS 320. Prerequisite: enrollment in upper division MLS program or departmental approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab. Credit will not be awarded for both CLS 320 and MLS 320.

MLS 346 Clinical Chemistry. (5) II. Formerly CLS 346. Prerequisite: enrollment in upper division MLS program or departmental 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. Credit will not be awarded for both CLS 346 and MLS 346.

MLS 350 Bacteriology. (5) I. Formerly CLS 350. Prerequisite: enrollment in the upper division MLS program or departmental approval. Study of medically important bacteria with emphasis on the clinical laboratory methods of microscopy, cultivation, identification, antimicrobial susceptibility testing, and quality control. 3 Lec/4 Lab. Credit will not be awarded for both CLS 350 and MLS 350.

MLS 355 Mycology, Parasitology, and Virology. (4) II. Formerly CLS 355. Prerequisites: enrollment in the upper division MLS program or departmental approval. Study of fungi, parasites, and viruses 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. Credit will not be awarded for both CLS 355 and MLS 355.

MLS 431 Clinical Correlations. (3) I, A. Formerly CLS 431. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions. 3 Lec. Credit will not be awarded for both CLS 431 and MLS 431.

MLS 432 Clinical Chemistry Practicum. (5) II, A. Formerly CLS 432. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Diagnostic chemical procedures in an affiliated laboratory. Credit will not be awarded for both CLS 432 and MLS 432.

MLS 434 Clinical Microbiology Practicum. (4) I, II. Formerly CLS 434. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory. Credit will not be awarded for both CLS 434 and MLS 434.

MLS 436 Lab Management Practicum. (1) I, II. Formerly CLS 436. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory. Credit will not be awarded for both CLS 436 and MLS 436.

MLS 437 Clinical Laboratory Seminar. (3) I, II. Formerly CLS 437. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Case studies, advanced procedures, and problem solving in the clinical laboratory. Credit will not be awarded for both CLS 437 and MLS 437.

MLS 438 Hematology Practicum. (4) I, A. Formerly CLS 438. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Diagnostic blood parameters and morphology studies in an affiliated laboratory. Credit will not be awarded for both CLS 438 and MLS 438.

MLS 439 Urinalysis Practicum. (1) I, A. Formerly CLS 439. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Diagnostic urine and body fluid procedures in an affiliated laboratory. Credit will not be awarded for both CLS 439 and MLS 439.

MLS 440 Blood Bank Practicum. (2) II, A. Formerly CLS 440. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Practical blood banking in an affiliated laboratory. Credit will not be awarded for both CLS 440 and MLS 440.

MLS 441 Immunology Practicum. (1) I, II, A. Formerly CLS 441. Prerequisites: enrollment in upper division MLS program and completion of all 300-level MLS courses. Practical immunology in an affiliated laboratory. Credit will not be awarded for both CLS 441 and MLS 441.

MSL—Military Science and Leadership LTC. Darell Robinson, Chair

MSL 101 Introduction to the Army and Critical Thinking (2) I. Cadets will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness related to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 1 Lec/1 Lab.

MSL 102 Introduction to the Profession of Arms (2) II. Cadets will learn how Army ethics and values shape the Army and the specific ways that these ethics are inculcated into Army culture. Cadets can expect to explore the seven Army Values, Warrior Ethos, explore the Profession of Arms, Army Leadership and critical communication skills. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 1 Lec/1 Lab.

MSL 201 Leadership and Decision Making (2) I. Primarily is drawn from the Adaptability Army Learning Areas (ALA). The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures (TLP). Comprehension of the officer's role in leading change by applying

innovative solutions to problems in concert with the Principals of Mission Command. The Army Profession is also stressed through leadership forums and a leadership self-assessment. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 2 Lec/1 Lab.

MSL 202 Army Doctrine and Team Decision Making (3) II. Begins the journey to understand and demonstrate cross-cultural competencies as they relate to Army doctrine and how they apply in a combatant commander's engagement strategies. Army values, teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military science are also stressed. The ability to lead and follow is also covered through team building exercises in small units up to squad level. Students are required to apply their knowledge outside the classroom in hands-on performance-oriented environment during Leadership LABS. 2.5 Lec/2.5 Lab.

MSL 210 Basic Camp (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 Training Management and the Warfighting Functions. (3) I. Prerequisite: 54 hours, MSL 201 and 202 or MSL 210; or Departmental approval. Challenges cadets to study, practice and apply the fundamentals of Army Leadership, Officership, Army values and ethics, personal development, and small unit tactics at the platoon level. Cadets receive systematic and specific feedback on their leadership attributes values, and core leader competencies from instructor, other ROTC cadre, and MSL IV cadets using the Cadet Officer Evaluation System (OES). Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 2.5 Lec/2.5 Lab.

MSL 302 Applied Leadership in Small Unit Operations. (3) II. Prerequisite: MSL 301 or departmental approval. Builds on the lessons learned and leadership attributes gained and developed during MSL 301. This is an academically challenging course where cadets will study, practice, and apply the fundamentals of the Army leadership, officership, Army values and ethics, personal development and small unit tactics at the platoon level. At the conclusion of this course, cadets will be capable of planning coordinating, navigating, motivating and leading a squad and platoon in the execution of a mission during a classroom PE, a Leadership Lab, or during a Leader Training Exercise (LTX). Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 2.5 Lec/2.5 Lab.

MSL 303 American Military History (3) I. ENG 102 or ENG 105(B) or HON 102. Examines U.S. Military History from pre-revolutionary times to Global War on Terrorism. Applies the Threads of Continuity model, defines the (9) principles of war; (5) forms of maneuver, analyzes the political-economic-technological-social impacts on the military. Develops leadership through individual/group contribution participation in case studies, classroom presentations, book report, battle analysis, and battlefield staff ride/museum tour. Gen. Ed. E-5A [SB]—History.

MSL 310 Advance Camp. (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 The Army Officer (3) I. Prerequisite: MSL 302 or departmental approval. Develops cadet proficiency in planning, executing and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk make ethical decisions, and lead fellow Army ROTC cadets. They identify responsibilities of key staff, coordinate staff roles and use situational opportunities to teach, train and develop subordinates. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). .5 Lec/2.5 Lab.

MSL 402 Company Grade Leadership (3)

II. Prerequisite: MSL 401 or departmental approval. Explores the dynamics of leading in the complex situations of current military operations in today's operational environment. Cadets examine difference in customs and courtesies, military law, principles of war and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. Students are required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during leadership labs (team building exercises, field training exercises, and/or simulation exercises). 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.

**MUE— Music Education
Jeremy Mulholland, Chair**

MUE 378 Teaching Music in Grades

P-8. (3) II. Cross-listed with EME 378. Prerequisites: admission to professional education, major in music. Corequisite: CED 400. Developmentally appropriate materials and methods for teaching P-8 music. Minimum of 20 field/clinical hours. Credit will not be awarded to students who have credit for EME 378.

MUE 579 Music Education: Principles

and Practices. (3) I. Cross-listed with ESE 579. Prerequisites: EDF 219 and admission to professional education. Corequisite: CED 450. 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 in grades 8-12. Minimum of 20 field/clinical hours. Credit will not be awarded to students who have credit for ESE 579.

**MUH—Music History
Jeremy Mulholland, Chair**

MUH 171 Music Appreciation. (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. E-3A [AH].

MUH 271 Jazz History. (3) I, II. A listening survey course tracing the development of jazz from its roots in the music of West Africa, African American folk music, and European music styles to the present. Gen. Ed. E-3A [AH].

MUH 272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed. E-3A [AH].

MUH 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. E-3A [AH].

MUH 371 Survey of Music History I. (3) I. Prerequisite: MUS 182 or department 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.

MUH 372 Survey of Music History II. (3) II. Prerequisite: MUH 371 or departmental approval. Survey of music history from the Classical era to the present.

**MUS—Music APPLIED MUSIC
Jeremy Mulholland, Chair**

Applied music courses are only open to music majors and minors. Enrollment in applied music courses requires participation in a music ensemble.

MUS 101 Performance Class. (0) I, II. Required of all music majors for six semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

MUS 107 Class Guitar for Nonmajors. (1) I, II. Instruction in guitar for non-music majors. May be retaken to a maximum of 4 hours.

MUS 108 Class Voice for Nonmajors. (1) I, II. Instruction in singing for non-music majors. May be retaken to a maximum of 4 hours.

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. Corequisite: MUS 225 or 226 or 313; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 114 Keyboard Skills I. (2) I. 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) 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. Corequisite: MUS 225 or 226; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 132a Violin I. (1-2) I, II. Corequisite:

MUS 235 or 236; course open to music majors or minors only. 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. Corequisite: MUS 235 or 236; course open to music majors or minors only. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

MUS 132c Cello I. (1-2) I, II. Corequisite: MUS 235 or 236; course open to music majors or minors only. 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.

Corequisite: MUS 235 or 236 or 255A; course open to music majors or minors only. 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. Corequisite: MUS 257; course open to music majors or minors only. 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. Corequisite: MUS 225 or MUS 226 or MUS 313; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 256; course open to music majors or minors only. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

MUS 145c Euphonium I. (1-2) I, II. Corequisite: MUS 250 and 255A or 255B or 256; course open to music majors or minors only. One or two lessons per week. Instruction available in euphonium. May be retaken to a maximum of four hours.

MUS 145d Trombone I. (1-2) I, II. Corequisite: MUS 250 and 255A or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 235 or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 235 or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 235 or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 235 or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 235 or 256; course open to music majors or minors only. 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. Corequisite: MUS 250 and 255A or 255B or 256; course open to music majors or minors only. 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. Corequisite: MUS 253 and 255A or 255B or 235 or 256; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 201 Introduction to Piano Pedagogy. (1) II. Prerequisites: MUS 112 and major or minor in music.

Discusses teaching techniques, beginner methods, and materials for group and individual piano instruction.

MUS 202 Introduction to Vocal Pedagogy. (1)

Prerequisites: MUS 122 and major or minor in music. Studies principles of vocal production in singing and rudimentary concepts of teaching private voice lessons.

MUS 210 Intermediate Class Piano I. (1) I.

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) 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. Prerequisite: MUS 112. Corequisite: MUS 225 or 226 or 313; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 222 Voice II. (1-2) I, II. Prerequisite: MUS 122. Corequisite: MUS 225 or 226; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 230 String Instruments Methods I. (1) I. 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. Prerequisite: MUS 132a. Corequisite: MUS 235 or 236; course open to music majors or minors only. 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. Prerequisite: MUS 132b. Corequisite: MUS 235 or 236; course open to music majors or minors only. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

MUS 232c Cello II. (1-2) I, II. Prerequisite: MUS 132c. Corequisite: MUS 235 or 236; course open to music majors or minors only. 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. Prerequisite: MUS 132d. Corequisite: MUS 235 or 236 or 255A; course open to music majors or minors only. 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. Prerequisite: MUS 132f. Corequisite: MUS 257; course open to music majors or minors only. 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. Prerequisite: MUS 142. Corequisite: MUS 225 or MUS 226 or MUS 313; course open to music majors or minors only. 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. Prerequisite: MUS 145a. Corequisite: MUS 250 and 235 or 255a or 256; course open to music majors or minors only. 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. Prerequisite: MUS 145b. Corequisite: MUS 250 and 235 or 255a or 256; course open to music majors or minors only. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

MUS 245c Euphonium II. (1-2) I, II. Prerequisite: MUS 145c. Corequisite: MUS 250 and 255a or 255b or 256; course open to music majors or minors only. One or two lessons per week. Instruction available in euphonium. May be retaken to a maximum of four hours.

MUS 245d Trombone II. (1-2) I, II. Prerequisite: MUS 145d. Corequisite: MUS 250 and 235

or 255a or 255b or 256; course open to music majors or minors only. 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. Prerequisite: MUS 145e. Corequisite: MUS 250 and 255a or 255b or 235 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 146a. Corequisite: MUS 250 and 255a or 255b or 235 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 146b. Corequisite: MUS 250 and 255a or 255b or 235 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 146c. Corequisite: MUS 250 and 255a or 255b or 235 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 146d. Corequisite: MUS 250 and 255a or 255b or 235 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 146e. Corequisite: MUS 250 and 255a or 255b or 256; course open to music majors or minors only. 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. Prerequisite: MUS 147. Corequisite: MUS 253 and 255a or 255b or 235 or 256; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of four hours.

MUS 251A Trombone Methods. (.5) I. Prerequisite: Music majors only. Slide positions, care of trombone, tone production, and tuning. Group instruction to prepare for teaching trombone in band or orchestra. Examination of trombone materials suitable for beginning instrumental programs.

MUS 251B Tuba/Baritone Methods. (.5) I. Prerequisite: Music majors only. Fingering, care of tuba/baritone, tone production, and tuning. Group instruction to prepare for teaching tuba/baritone in band or orchestra. Examination of tuba/baritone materials suitable for beginning instrumental programs.

MUS 252A Horn Methods. (.5) II. Prerequisite: MUS 251A or MUS 251B. Fingering, care of horn, tone production, and tuning. Group instruction to prepare for teaching horn in band or orchestra. Examination of horn materials suitable for beginning instrumental programs.

MUS 252B Trumpet Methods. (.5) II. Prerequisite: MUS 251A or MUS 251B. Fingering, care of trumpet, tone production, and tuning. Group instruction to prepare for teaching trumpet in band or orchestra. Examination of trumpet materials suitable for beginning instrumental programs.

MUS 258 Brass Choir. (1) I, II. Course open to students with prior experience in wind and percussion instruments, by audition only. Rehearsal and performance of standard brass choir literature. May be retaken to a maximum of 4 hours.

MUS 299 Music Pedagogy Lab I. (1) I. Prerequisites: MUS 201 or MUS 202; major in music. An introduction to the music lab; includes teaching of students in piano or voice.

MUS 300 Music Industry Careers & Internship Seminar. (0) I, II. Prerequisite: junior standing in music or departmental approval. Required of all Music Industry students who have earned at least 60 hours. Credit will be given when students have attended and/or completed department-sponsored activities regarding professional skills and internships and careers.

MUS 303 Studio Management. (1) II. Prerequisites: MUS 212 or MUS 222; major in music.

Explores business practices and administrative duties of managing a piano or voice studio.

MUS 312 Piano III. (1-4) I, II.

Prerequisite: MUS 212 and completion of the sophomore comprehensive in music. Corequisite: MUS 425 or 426; course open to music majors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 313 Accompanying. (1) I, II.

Prerequisite: keyboard coordinator approval. Keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of four hours.

MUS 320 Class Voice Methods. (1) II. Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

MUS 322 Voice III. (1-4) I, II. Prerequisite: MUS 222 and completion of the sophomore comprehensive in music. Corequisite: MUS 425 or 426; course open to music majors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 330 String Instruments Methods Class II. (1) I. Prerequisite: MUS 230. Continuation of MUS 230.

MUS 332a Violin III. (1-4) I, II. Prerequisite: MUS 232a and completion of the sophomore comprehensive in music. Corequisite: MUS 435 or 436; course open to music majors only. 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. Prerequisite: MUS 232b and completion of the sophomore comprehensive in music. Corequisite: MUS 435 or 436; course open to music majors only. One or two lessons per week. Instruction in viola. May be retaken to a maximum of eight hours.

MUS 332c Cello III. (1-4) I, II. Prerequisite: MUS 232c and completion of the sophomore comprehensive in music. Corequisite: MUS 435 or 436; course open to music majors only. One or two lessons per week. Instruction in cello. May be retaken to a maximum of eight hours.

MUS 332d String Bass III. (1-4) I, II. Prerequisite: MUS 232d and completion of the sophomore comprehensive in music. Corequisite: MUS 435 or 436 or 455a; course open to music majors only. 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. Prerequisite: MUS 232f and completion of the sophomore comprehensive in music. Corequisite: MUS 457; course open to music majors only. One or two lessons per week. Instruction in guitar. May be retaken to a maximum of eight hours.

MUS 345a Cornet and Trumpet III. (1-4) I, II. Prerequisite: MUS 245a and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. 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. Prerequisite: MUS 245b and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

MUS 345c Euphonium III. (1-4) I, II. Prerequisite: MUS 245c and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 256 or 455a or 455b or 256; course open to music majors or minors only. One or two lessons per week. Instruction available in euphonium. May be retaken to a maximum of eight hours.

MUS 345d Trombone III. (1-4) I, II. Prerequisite: MUS 245d and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. 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. Prerequisite: MUS 245e and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 246a and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 246b and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 246c and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 246d and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 246e and completion of the sophomore comprehensive in music. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 247 and completion of the sophomore comprehensive in music. Corequisite: MUS 253 and 455a or 455b or 435 or 256; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 348 Music Pedagogy Lab II. (1) II. Prerequisites: MUS 299 and major in music. A music lab for pedagogy students, focusing on teaching the beginning pianist or vocalist.

MUS 351A Clarinet Methods. (.5) I. Prerequisite: Admission to Teacher Education. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching the clarinet in band or orchestra. Examination of clarinet materials suitable for beginning instrumental programs.

MUS 351B Flute Methods. (.5) I. Prerequisite: Admission to Teacher Education. Fingering, care of the flute, tone production, and tuning. Group instruction to prepare for teaching the flute in band or orchestra. Examination of flute materials suitable for beginning instrumental programs.

MUS 352A Saxophone Methods. (.5) II. Prerequisite: MUS 351A or MUS 351B. Fingering, care of the saxophone, tone production, and tuning. Group instruction to prepare for teaching saxophone in band. Examination of saxophone materials suitable for beginning instrumental programs.

MUS 352B Oboe/Bassoon Methods. (.5) II. Prerequisite: MUS 351A or MUS 351B. Fingering, care of oboe/bassoon, tone production, and tuning. Group instruction to prepare for teaching oboe/bassoon in band or orchestra. Examination of oboe/bassoon materials suitable for beginning instrumental programs.

MUS 354 Percussion Class Methods I. (1) II. Prerequisite: Admission to Teacher Education. Snare drumming, rudiments, teaching techniques. Experiences on all related percussion instruments: bass drum,

tympans, and others. Some experiences with mallet instruments; marimba, xylophone, bells, and others.

MUS 365 Lab Ensemble. (1) II. Prerequisite: MUS 366. Corequisite: MUS 367 or 368. Practical experience in performing and conducting instrumental and choral music literature appropriate for use in school situations.

MUS 392 Microphone Placement Techniques (2) A. Prerequisites: MUS 292 and Junior standing in Music. The study and understanding of microphone construction, usage, and placement techniques.

MUS 399 Joint Recital. (1) I, II. Prerequisite: junior standing in music. A half recital shared with another student.

MUS 412 Piano IV. (1-4) I, II. Prerequisite: MUS 312. Corequisite: MUS 425 or 426 or 513; course open to music majors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 422 Voice IV. (1-4) I, II. Prerequisite: MUS 322. Corequisite: MUS 425 or 426; course open to music majors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 432a Violin IV. (1-4) I, II. Prerequisite: MUS 332a. Corequisite: MUS 435 or 436; course open to music majors only. 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. Prerequisite: MUS 332b. Corequisite: MUS 435 or 436; course open to music majors only. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of eight hours.

MUS 432c 'Cello IV. (1-4) I, II. Prerequisite: MUS 332c. Corequisite: MUS 435 or 436; course open to music majors only. 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. Prerequisite: MUS 332d. Corequisite: MUS 435 or 436 or 455a; course open to music majors only. 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. Prerequisite: MUS 332f. Corequisite: MUS 457; course open to music majors only. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of eight hours.

MUS 445a Cornet and Trumpet IV. (1-4) I, II. Prerequisite: MUS 345a. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. 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. Prerequisite: MUS 345b. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

MUS 445c Euphonium IV. (1-4) I, II. Prerequisite: MUS 345c. Corequisite: MUS 250 and 455a or 455b or 256; course open to music majors only. 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. Prerequisite: MUS 345d. Corequisite: MUS 250 and 256 or 455a or 455b or 435; course open to music majors only. 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. Prerequisite: MUS 345e. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 346a. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite:

MUS 346b. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 346c. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 346d. Corequisite: MUS 250 and 455a or 455b or 435 or 256; course open to music majors or minors only. 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. Prerequisite: MUS 346e. Corequisite: MUS 250 and 455a or 455b or 256; course open to music majors or minors only. 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. Prerequisite: MUS 347. Corequisite: MUS 253 and 455a or 455b or 435 or 256; course open to music majors or minors only. One or two lessons per week. May be retaken to a maximum of eight hours.

MUS 458 Brass Choir. (0-1) I, II. Prerequisite: MUS 258. Course open to students with prior experience in wind and percussion instruments, by audition only. Rehearsal and performance of standard brass choir literature. May be retaken. Departmental approval required for 0 credit section.

MUS 492 Advanced Mixing (1) A. Prerequisite: MUS 392. Covers concepts and techniques involved in mixing audio for commercial productions. Become familiar with terminology and concepts specific to recording studios and sound reinforcement. May be retaken for a maximum of 2 hours.

MUS 499 Senior Project/Recital. (1-2) I, II. Prerequisite: MUS 399. A full performance recital or a theory and composition project consisting of a theory project and recital of student's own compositions.

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 Jeremy Mulholland, 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 Opera Workshop. (1) 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. May be retaken to a maximum of 4 hours.

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 224 Chamber Singers. (0-1) I, II. Highly select small ensemble dedicated to the highest standards of preparation and performance of choral literature from all style periods. Membership is by audition only. May be retaken to a maximum of four hours.

MUS 225 Concert Choir. (0-1) I, II. Large mixed chorus open to all singers. This choir places an emphasis on developing sight reading and performance skills while providing a challenging and satisfying

musical experience. Course may be retaken.

MUS 226 University Singers. (0-1) I, II. The University's premier large choral ensemble. This choir presents several major concerts throughout the year and tours annually. Membership is by audition only. May be retaken to a maximum of four hours.

MUS 235 Orchestra. (0-1) 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. by audition only. May be retaken to a maximum of four hours.

MUS 236 String Orchestra. (0-1) 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. Course open by audition only. May be retaken to a maximum of four hours.

MUS 250 Small Ensembles. (0-1/2) I, II. Rehearsal and performance for: string, brass, percussion, vocal, and woodwind ensembles. Course may be retaken.

MUS 253 Percussion Ensemble. (0-1) 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. (0-1) 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. (0-1) I, II. 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. (0-1) 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. Departmental approval required for 0 credit section.

MUS 256 Marching Band. (0-1) 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.

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 310 Topics in Music: _____ (1-3). Selected topics in music, music technology, or applied musical skills. May be retaken to a maximum of 6 hours if topic is different.

MUS 327 Opera Workshop. (0-1) 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 355 Music Pedagogy Lab III. (1) I. Prerequisites: MUS 348 and major in music. A music lab for pedagogy students, focusing on teaching the intermediate pianist or vocalist.

MUS 424 Chamber Singers. (0-1) I, II. Prerequisite: MUS 224. Highly select small ensemble dedicated to the highest standards of preparation and performance of choral literature from all style periods. Membership is by audition only. May be retaken.

MUS 425 Concert Choir. (0-1) I, II. Prerequisite: MUS 225. Large mixed chorus open to all singers. This choir places an emphasis on developing sight reading and performance skills while providing a challenging and satisfying musical experience. Course may be retaken.

MUS 426 University Singers. (0-1) I, II. Prerequisite: MUS 226. The University's premier large choral ensemble. This choir presents several major concerts throughout the year and tours annually. Membership is by audition only. May be retaken.

MUS 435 Orchestra. (0-1) I, II. Prerequisite:

MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Course open by audition only. May be retaken.

MUS 436 String Orchestra. (0-1) 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. Course open by audition only. May be retaken.

MUS 448 Music Pedagogy Lab IV. (1) II. Prerequisites: MUS 355 and major in music. A music lab for pedagogy students, focusing on teaching class piano or vocal private students.

MUS 451 Piano Teaching Repertoire (1) I. Prerequisites: MUS 212 and major in music. Explores the teaching repertoire of elementary and intermediate piano students.

MUS 452 Vocal Teaching Repertoire. (1) I. Prerequisites: MUS 222 and major in music. Explores teaching repertoire for beginning and intermediate voice students.

MUS 453 Percussion Ensemble. (0-1) I, II. Rehearsal and performance of standard Percussion Ensemble literature including steel drums, African studies, and marimba ensemble literature. By audition only. May be retaken.

MUS 454 Jazz Ensemble. (0-1) I, II. Rehearsal and performance of standard Jazz Ensemble literature including jazz improvisation, jazz styles, and forms. By audition only. May be retaken.

MUS 455A Symphonic Band. (0-1) I, II. Prerequisite: MUS 255A. By audition only. Rehearsal and performance of standard band literature. May be retaken. Departmental approval required for 0 credit section.

MUS 455B Concert Band. (0-1) 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. Departmental approval required for 0 credit section.

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.

MUS—Other Music Courses Jeremy Mulholland, Chair

MUS 102 Introduction to the Fundamentals of Music. (3) I. 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 161 Musicianship I (1) I, II. Corequisite: MUS 181. Skills and strategies for the perception, identification and performance of the basic materials of music.

MUS 162 Musicianship II (1) I, II. Prerequisite: MUS 161 with a minimum grade of "C". Corequisite: MUS 182. Continuing study of skills and strategies for the perception, identification and performance of the basic materials of music.

MUS 181 Beginning Theory I. (3) I, II. Corequisite: MUS 161 with a minimum grade of "C". 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. (3) I, II. Prerequisite: MUS 181 with a minimum grade of "C". Corequisite: MUS 162. Continuation of MUS 181.

MUS 190 Music Industry I. (2) I, II. An overview to the music industry including a survey of industry careers and skills necessary to succeed in the music business.

MUS 191 Music Industry II. (2) I, II. Prerequisite: MUS 190 or departmental approval. Continuation of MUS 190 including music copyright, publishing, and the evolution of the twenty-first century music business model.

MUS 192 History of the Recording Industry (2) A. Prerequisite: MUS 191. Understanding of the origins of recording technology, the development of production techniques, and the social / musical / cultural influences that helped shape these changes.

MUS 220 Diction for Singers. (1) 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 221 Diction for Singers II. (1) I. Prerequisite: MUS 220. For voice students. Enunciation and projection; accurate pronunciation of German and French poetry and poetry in song. Using the International Phonetic Alphabet (IPA).

MUS 261 Musicianship III (1) I. Prerequisite: MUS 162(C), corequisite MUS 281. Skills and strategies for the perception, identification and performance of the basic materials of music. Further study of more difficult, harmonic, melodic and rhythmic materials from the Baroque and Classic periods.

MUS 262 Musicianship IV (1) II. Prerequisite: MUS 261. Corequisite: MUS 282. Skills and strategies for the perception, identification and performance of the materials of music. Further study of more difficult, harmonic, melodic and rhythmic materials from the Romantic and Modern periods.

MUS 281 Intermediate Theory III. (3) I. Prerequisite: minimum grade of "C" in MUS 182. Corequisite: MUS 261. 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. (3) II. Prerequisite: MUS 281. Corequisite: MUS 262. 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) 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 292 Fundamentals in Audio Production (2) A. Prerequisite: MUS 192. Understanding of the physics of sound, fundamentals of sound design, microphone usage, and digital audio recording technology.

MUS 349 Applied Learning in Music. (5-8) 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-N Cooperative Study: Music. (5-8) 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 364 Principles of C & I in Music. (1) I. Co-requisite: MUS 366 and CED 300. Principles of curriculum and instructional design for the music classroom. Demonstration and application of standards-based learning and curricular alignment within a music setting.

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 383 Orchestration. (3) I. Prerequisite: Music majors only, MUS 182 and junior standing. Survey of ranges, timbres, and characteristics of orchestra and band instruments. Scoring for wind ensemble and full orchestra.

MUS 384 Survey of Music Technology. (2) I, II. Prerequisite: MUS 182 and junior standing in Music. Survey of music technology, including sound reinforcement, MIDI sequencing, DAW software, music specific web design notation software, and the history of music technology.

MUS 390 Music Industry III. (3) I. Prerequisite: MUS 191 or departmental approval. Continuation of MUS 191 including marketing, promotion, advertising, and starting a business. A project reflecting course study is required.

MUS 391 Music Industry IV. (3) II. Prerequisite: MUS 390 or departmental approval. Continuation of MUS 390 including non-profit organizations, grants, contracts, and website creation. A project reflecting course study is required.

MUS 449 Music Industry Senior Capstone. (1) I, II. Prerequisite: MUS 300 and departmental approval. Music Industry and Recording Arts students will apply knowledge and skills to the student run record label. May be retaken for a maximum of two hours.

MUS 480 Form and Analysis. (3) I. Prerequisites: MUS 281 and junior standing in music. In-depth study of the materials of form from the motive through large structures.

MUS 481 Tonal Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. A study of contrapuntal music from the 18th century, including analysis of representative literature and stylistic composition assignments.

MUS 482 20th Century Music Analysis. (2) A. Prerequisite: Junior standing. Corequisites and/or prerequisites: MUS 282 and MUH 372. A study of the compositional devices relevant to twentieth-century music, and a study of specific representative literature of significant twentieth-century composers.

MUS 483 Composition. (2) A. Prerequisite: MUS 282 and 283; or departmental 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 510 Special Topics in Music: _____ (1-3) A. Prerequisite: MUS 480 or equivalent or departmental approval. Advanced topics in music. May be retaken to a maximum of six hours, provided the topics are different. Credit will not be awarded for both MUS 510 and 510S.

MUS 510S Special Topics in Music: _____ (1-3) A. Prerequisite: MUS 480 or departmental approval. Advanced topics in music that incorporates a service learning component. May be retaken to a maximum of six hours, provided the topics are different. Credit will not be awarded for both MUS 510 and 510S.

MUS 520 Advanced Diction for Singers. (1) A. Prerequisite: MUS 220. 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. Prerequisite: MUS 399 and music majors only. 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. Prerequisite: MUS 399 and music majors only. 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. Prerequisite: MUH 372 and music majors only. 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) I. Prerequisites: MUH 371 and 372 and music majors only. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

MUS 556 Choral Music Literature. (3) A. Prerequisites: MUH 371 and 372 and music majors only. 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. Prerequisite: MUS 399 and music majors only. 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.

**NET—Network Security and Electronics
Dr. Vignyan Chandra, Coordinator**

NET 302 PC Troubleshooting & Construction. (3) I, II. Prerequisite: TEC 161 or INF 104 or higher or CSC 140 or higher or CIS 212 or higher. Construction, operation and troubleshooting microprocessors, system memory, computer architecture, video types, monitors, hard drives, mice, cabling, notebook computers and printers, modern operating systems, and application programs. Building computer systems to specific requirements. 2 Lec/2 Lab.

NET 303 LANs & PC Communications. (3) I, II. Prerequisite: TEC 161 or INF 104 or higher or CSC 140 or higher or CIS 212 or higher or a grade of "C" or better in MAT 095 or a minimum math ACT score of 18 or a minimum SAT math score of 490. Installing, configuring, managing, and troubleshooting network and computer systems communications hardware and software. 2 Lec/2 Lab.

NET 343 Network Switches & Routers. (3) A. Prerequisite: NET 303 or CIS 375. Cisco internetworking, switching, IOS, routing, VLAN's, access lists, and WAN protocols are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/2 Lab.

NET 344 Advanced Network Switches & Routers (3) A. Prerequisite: NET 343. Configure and troubleshoot small to mid-sized switched LANs. Principles of switch and router startup, configuration and management, VLAN, trunking, STP, advanced routing, WAN, scaling IP address space. Configure, apply and verify Access Control Lists. 2 Lec/2 Lab.

NET 349 Applied Learning in NET (5-8) I, II. Formerly EET 349. Prerequisite: departmental approval, sophomore (30-59 hours) or higher standing and minimum of 2.0 GPA. Work under faculty and field supervisors in placements related to academic studies.

Transfer students must have completed at least 12 hours of coursework at ECU. A minimum of 80 hours work required for each academic credit. Credit will not be awarded for both NET 349 and EET 349.

NET 349 A-N Cooperative Study: CET/CEN. (5-8) I, II. Formerly EET 349 A-N. Prerequisite: departmental approval, sophomore (30-59 hours) or higher standing and minimum of 2.0 GPA. Work under faculty and field supervisors in placements related to academic studies in Computer Electronics Technology (CET) or Computer Electronic Networking (CEN). .5-8 credit hours per semester or summer. Transfer students must have completed at least 12 hours of coursework at ECU. A minimum of 80 hours work required for each academic credit.

NET 354 Microcomputer & Network Security. (3) I, II. Prerequisite: NET 303 or CIS 375. Security considerations in computer systems and networks using appropriate hardware and software. Topics include malware, encryption, VPNs, ACLs, firewalls, Wi-Fi, and secure protocols. Testing, configuring, managing and troubleshooting security in network systems. 2 Lec/2 Lab.

NET 367a Exit Exam for AAS in Tech, with Computer Electronics (0) A. Prerequisite: Consent of Advisor. Registration in NET 367A is required of all undergraduate A.A.S. students in the Technology program specializing in Computer Electronics program for the term in which they wish to take their comprehensive examination.

NET 367b Exit Exam for Minor in Computer Electronics Technology (0) A. Prerequisite: Consent of Advisor. Registration in NET 367b is required of all undergraduate students in the Minor for Computer Electronics Technology program for the term in which they wish to take their comprehensive examination.

NET 395 Special Topics in NET. (2-3) A. Prerequisite: 30 credit hours or more completed, and (EET 252 or NET 303). Emerging technologies in the area of Network security and electronics (NET): May be repeated up to a maximum of 9 hours provided subject matter differs each time. Lec/Lab.

NET 399 Associate Degree Capstone. (3) II. Prerequisite: 30 credit hours or more completed, with a minimum of 9 semester hours of NET coursework completed, and a minimum of 9 semester hours of EET coursework completed. A project and research oriented course which serves as a capstone experience at the Associate Degree level. Design, implementation, analysis, and troubleshooting of electronic and computer technology related systems, and managing a technical project.

NET 403 Advanced LANs and PC Communication. (3) A. Prerequisite: NET 303 or CIS 375. This course will cover installation, configuration, troubleshooting and maintaining common server platforms. The participants will be given the opportunity to setup and manage network hardware, operating systems and applications. 2 Lec/2 Lab.

NET 440 Fiber-optics & Communications. (3) A. Prerequisite: EET 257, MAT 120 or higher, and PHY 101. Principles of communication over fiber and other wired/wireless media; digital and analog data transmission; modulation and multiplexing of data. Communication system components, safety, testing and troubleshooting of fiber-optic and communication systems. 2 Lec/2 Lab.

NET 454 Wireless/WAN Security. (3) A. Prerequisites: (NET 303 or CIS 375) and NET 354 Security considerations in wireless and WANs. Wi-Fi, 802.11x, WPA, RADIUS, encryption, VPNs, VLANs, AAA authentication, Network Security Appliances, and secure protocols. Laboratory based configuration and security testing of WAPs, appliances and servers. 2 Lec/2 Lab.

NET 467 Exit Exam for BS in NET (0) A. Prerequisite: Consent of Advisor. Registration in NET 467 is required of all undergraduate B.S. (NET) students for the term in which they wish to take their comprehensive examination, including the exit exam and advisor approved certification or license.

NET 499 Senior Capstone. (3) II.

Prerequisite: 90 credit hours or more completed, with a minimum of 18 semester hours of NET coursework completed, and a minimum of 9 semester hours of EET coursework completed, and AEM 310W. A project and research oriented course which serves as a capstone experience at the Bachelor Degree level. Design, implementation, analysis, and troubleshooting of networking, computers and electronics technology related systems, and managing a technical project.

**NFA—Nutrition, Foods, and Food Administration
Dr. Dana Bush, 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) A. 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 112/112L; and NFA 201. Structures and chemical properties of CHO, PRO, fat and nucleic acids, vitamins, coenzymes, minerals, and water related to metabolic processes.

NFA 303 Nutrition Education and Counseling. (3) A. Pre-requisite: NFA 201. Discussion, practice, and application of nutrition-related education and counseling strategies and health behavior theories to develop communication and counseling skills for work with individuals and groups.

NFA 310 Junior Seminar (3) I. Prerequisite: Admission to General Dietetics Program. Preparation and planning for transition to internship, graduate school or professional work. Emphasis on professional roles and responsibilities, and ethical practice in dietetics.

NFA 317 Nutrition in the Life Cycle. (3) I, II. Study of dietary needs adapted to periods of the life cycle.

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. (3) 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. (3) I. 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 departmental approval. 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. (5-8) 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-N Cooperative Study: Nutrition, Foods, and Food Administration. (5-8) 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 and BIO 301. Study of the functions, requirements, and interrelations of macronutrients in normal nutrition; integration and regulation of energy metabolism and balance.

NFA 402 Medical Nutrition Therapy. (3) I. 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 404 Human Nutrition II. (3) II. Prerequisite: NFA 401. Study of the functions, requirements, and interrelations of essential and non-essential micronutrients in normal nutrition and wellness.

NFA 411 Community Nutrition. (3) A. Prerequisite: NFA 201 and 317. Survey of services, legislation, assessment, other relevant activities, and the role of nutritionists in various community settings. Development of educational resources for different populations. Field experience in community programs and settings to include individual and family nutrition counseling.

NFA 412 Research Applications in Nutrition. (3) I. Prerequisite: admission to General Dietetics Program; or departmental approval. Evaluation, interpretation, and application of professional and research literature in nutrition/dietetics. Emphasis on making ethical, evidence-based practice decisions.

NFA 416 Special Problems in Nutrition. (1-3) A. Prerequisites: NFA 401 and departmental 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 449 Onsite Foodservice Management. (3) II. Prerequisite: Junior standing. A study of the benefits and characteristics of successful onsite food and beverage enterprises.

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 317 or equivalent. 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. Mary Clements, Chair**

NSC 232 Health Assessment and Promotion I. (2) I, II. Prerequisites: taken in semester immediately prior to expected enrollment in NSC 380, students must meet minimum program GPA requirements of 2.5, and department approval. Corequisite: NSC 232L, 242, and 252. Students repeating NSC 232 must also enroll in NSC 232L and the most recent grade in these two corequisites will be applied toward student's GPA. Development of assessment and health promotion skills to be used with clients throughout the life cycle.

NSC 232L Health Assessment and Promotion (1) I. Prerequisites: GPA 2.5, and Departmental approval. Corequisite: NSC 232, 242 and 252. Students repeating NSC 232L must also enroll in NSC 232 and the most recent grade in these two corequisites will be applied toward student's GPA. 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 and minimum 2.5 institutional GPA requirement or department 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 Intro to Professional Nursing. (3) I, II. Prerequisite: sophomore standing and minimum 2.5 institutional GPA requirement or department approval. Nursing science foundation using selected concepts and constructs. Emphasis on past and current knowledge in the formulation of nursing as a basic and applied science. Application of epidemiology to nursing practice.

NSC 262 Professional Nursing Concepts. (4) I, II, A. Prerequisite: Admission to the BSN Program – Second Degree Option or department approval. Introduction to concepts and theories of professional nursing practice. Development of beginning skills for building nursing-patient relationships.

NSC 330 Clinical Drug Therapy. (3) I, II, A. Prerequisites: NSC 332, 350, and 380 with a grade of "C" or better. Corequisite: NSC 386. 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. (1) I, II, A. Prerequisites: NSC 232, 242, and 252 all with a minimum grade of "C"; NSC 232L with a minimum grade of "S"; and admission to the baccalaureate nursing major. Corequisite: NSC 332L, 350, 380, and 380C. Students repeating NSC 332 must also enroll in NSC 332L and the most recent grade in these two corequisites will be applied toward student's GPA. Development of physical assessment skills and evaluation of health patterns for clients throughout the life cycle.

NSC 332L Health Assessment and Promotion (1). Prerequisites: NSC 232, 242 and 252 all with a minimum grade of "C"; NSC 232L with a minimum grade of "S"; and admission to the BSN Program. Corequisite: NSC 332, 350, 380 and 380C. Students repeating NSC 332L must also enroll in NSC 332 and the most recent grade in these two corequisites will be applied toward student's GPA. Development of physical assessment skills and evaluation of health patterns for clients throughout the life cycle.

NSC 340 Health Assessment for the RN. (2) A. Prerequisites: RN status and admission to the RN-BSN option. Enhancement of physical assessment skills for RNs with application to clients throughout the lifespan.

NSC 350 Pathophysiology. (3) I, II, A. Prerequisites: NSC 232, 242, and 252 with a grade of "C" or better and admission to the baccalaureate nursing major. Corequisite: NSC 332 and 380. Provides a

framework for interpreting structural and functional changes associated with disease, facilitating critical thinking and decision making required of the professional nurse.

NSC 370 Health Disparities. (3) A. Prerequisite: junior standing or departmental approval. Explores the social, economic, political and historical context of health disparities experienced by groups with an emphasis on racial/ethnic, gender and socioeconomic aggregates. Explores contributing factors and potential solutions to domestic and global health disparities.

NSC 378 Short Topics in Clinical Nursing. (1-3) A. Prerequisites: NSC 392 and 396. 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. (2) I, II. Prerequisites: NSC 232, 242, and 252 all with a minimum grade of "C"; NSC 232L with a minimum grade of S, and admission to the BSN Program. Corequisite: NSC 332, 332L, 350, and 380C. Students repeating NSC 380 must also enroll in NSC 380C and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 380C Adult Health Nursing I Clinical (2) I, II. Prerequisites: NSC 232, 242 and 252, all with a minimum grade of "C"; NSC 232L with a minimum grade of "S" and admission to the BSN Program. Corequisite: NSC 332, 332L, 350 and 380. Students repeating NSC 380C must also enroll in NSC 380 and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 381 Perspectives in Professional Nursing I. (3) A. Prerequisites: RN status and admission to the RN-BSN option. Transition to the professional nursing role for the RN student emphasizing foundational concepts of professional nursing practice.

NSC 383 Perspectives in Professional Nursing II. (3). Prerequisite: NSC 381 Transition to the professional nursing role for the RN student emphasizing the knowledge development of concepts and theories essential for professional practice.

NSC 385 Perspectives in Professional Nursing III. (4). Prerequisite: NSC 381, NSC 383. Advanced concepts and skills for professional nursing practice.

NSC 386 Adult Health Nursing II. (7) I, II, A. Prerequisites: NSC 332, 350, and 380 all with a minimum grade of "C"; NSC 332L and 380C with a minimum grade of "S". Corequisite: NSC 330 and 386C. Students repeating NSC 386 must also enroll in NSC 386C and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 386C Adult Health Nursing II (3) I, II, A. Prerequisites: NSC 332, 350 and 380, all with a minimum grade of "C"; NSC 380C and 332L with a minimum grade of "S"; Admission to the BSN Program. Corequisite: NSC 330 and 386. Students repeating NSC 386C must also enroll in NSC 386 and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 390W Research for EBNP. (2) I, II, A. Prerequisites: STA 215 or 270, or SOC 232 with a grade of "C" or better. Translates research for evidence-based nursing practice. Credit will not be awarded to students who have credit for NSC 390.

NSC 392 Mental Health Nursing. (3) I, II, A. Prerequisites: NSC 330 and 386 each with a grade of "C"; NSC 386C with a minimum grade of S. Corequisite: NSC 392C. Students repeating NSC 392 must also enroll in NSC 392C and the most recent grade in these two corequisites will be applied toward student's

GPA. Uses the nursing process to develop practice solutions for clients throughout the life cycle with selected mental health issues.

NSC 392C Mental Health Nursing Clinical (2) I, II, A. Prerequisites: NSC 330 and 386, each with a minimum grade of "C"; NSC 386C with a minimum grade of "S". Corequisite: NSC 392. Students repeating NSC 392C must also enroll in NSC 392CC and the most recent grade in these two corequisites will be applied toward student's GPA. Uses the nursing process to develop practice solutions for clients throughout the life cycle with selected mental health issues.

NSC 396 Family Health Nursing. (5) I, II, A. Prerequisites: NSC 330 and 386 each with a minimum grade of "C"; NSC 386C with a minimum grade of S. Corequisite: NSC 396C. Students repeating NSC 396 must also enroll in NSC 396C and the most recent grade in these two corequisites will be applied toward student's GPA. Uses the nursing process to develop practice solutions for families during the childbearing and child rearing experience.

NSC 396C Family Health Nursing (2) I, II. Prerequisites: NSC 330 and 386, each with a minimum grade of "C"; NSC 386C with a minimum grade of "S". Corequisite: NSC 396. Students repeating NSC 392C must also enroll in NSC 396 and the most recent grade in these two corequisites will be applied toward student's GPA. Uses the nursing process to develop practice solutions for families during childbearing and child rearing experience.

NSC 440 Leadership and Management. (3) A. Prerequisites: RN status and admission to the RN-BSN option. An overview of leadership and management theory in health care explores the leadership role of nursing. Strategies for facing challenges, promoting cost-effective health care, and promoting leadership success in the dynamic health care system.

NSC 442 Complex Client Care (3). Prerequisites: NSC 440 and NSC 486 & 486C. Synthesis of professional nursing care competencies to address human diversity and manage care in today's complex health systems.

NSC 442C Complex Health Systems Clinical (2). Prerequisites: NSC 440, NSC 486 and 486C. Synthesis and performance of professional nursing care competencies to address human diversity and manage care in today's complex health systems.

NSC 445RN Professional Role Transitions. (2) A. Prerequisites: RN status and admission to the RN-BSN option. Role development seminar for RNs. Critical analysis of trends which shape professional nursing practice. Analysis of strategies for instituting change in various health care delivery systems.

NSC 480 Health Care Leadership. (3) I, II. Prerequisites: NSC 390W, 392, and 396 all with a minimum grade of "C"; NSC 392C with a minimum grade of "S". 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. (2.5) I, II. Prerequisites: NSC 390W, 392, and 396 with a minimum grade of "C"; NSC 392C and 396C with a minimum grade of "S". Corequisite: NSC 484C. Students repeating NSC 484 must also enroll in NSC 484C and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 484C Adult Health III Clinical (2.5) I, II, A. Prerequisites: NSC 390W, 392 and 396, all with a minimum grade of "C"; NSC 392C and 396C with a minimum grade of S. Corequisite: NSC 484. Students repeating NSC 484C must also enroll in NSC 484 and the most recent grade in these two corequisites will be applied toward student's GPA. Uses nursing process to develop practice solutions for selected adult health issues.

NSC 486 RN Public Health Nursing (3). Prerequisite: NSC 385 and NSC 390. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their

subsystems.

NSC 486C RN Public Health Nursing Clinical (2). Prerequisites: NSC 385 and NSC 390. Synthesizes nursing concepts and performs the nursing process to develop practice partnerships with communities and their subsystems.

NSC 487 Public Health Nursing (2.5) I, II, A. Prerequisite: NSC 390W, 392 and 396, all with a minimum grade of "C"; NSC 392C and 396C with a minimum grade of "S". Corequisite: NSC 487C. Students repeating NSC 487 must also enroll in NSC 487C and the most recent grade in these two corequisites will be applied toward student's GPA. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their subsystems.

NSC 487C Public Health Nursing (2.5) I, II, A. Prerequisite: NSC 390W, 392 and 396, all with a minimum grade of "C"; NSC 392C and 396C with a minimum of "S". Corequisite: NSC 487. Students repeating NSC 487C must also enroll in NSC 487 and the most recent grade in these two corequisites will be applied toward student's GPA. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their subsystems.

NSC 492 Complex Client Health Care. (2) I, II. Prerequisites: NSC 480, 484, and 487 all with minimum grades of "C"; NSC 484C and 487C with a minimum grade of "S". Corequisite: NSC 492C and 495. Students repeating NSC 492 must also enroll in NSC 492C and the most recent grade in these two corequisites will be applied toward student's GPA. Synthesizes nursing competencies to manage complex health problems, integrating legal, ethical and economic concepts.

NSC 492C Complex Client Health Care Clinical (3) I, II, A. Prerequisites: NSC 480, 484 and 487 all with a minimum grade of "C"; NSC 484C and 487C with a minimum grade of "S". Corequisite: NSC 492 and 495. Synthesizes nursing competencies to manage complex health problems, integrating legal, ethical and economic concepts.

NSC 495 Professional Role Transition. (2) I, II. Prerequisite: NSC 480, 484, and 486 with minimum grades of "C." Corequisite: NSC 492. 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. Prerequisites: NSC 480, 484, and 486 with minimum grades of "C." 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)
Beth Gamble, Chair

NUR 114 Nursing Concepts I (5) I, II. Prerequisite: Admission to the Associate Degree Nursing Program. Corequisite: NUR 114C. Provides fundamental theoretical nursing concepts. Student learning outcomes are human flourishing, nursing judgment, professional identity, and spirit of inquiry.

NUR 114C Nursing Concepts Application I (3). I,II. Prerequisite: Admission to the Associate Degree Nursing Program. Corequisite: NUR 114. This course provides application of fundamental nursing concepts in the laboratory and clinical settings.

NUR 124 Nursing Concepts II - Med-Surg. (3) I, II. Prerequisites: NUR 114, 114C, HSO 100, ENG 101, NFA 201, BIO 171, all with a grade of "C" or better. Corequisite: NUR 124C. Builds upon previously learned concepts and skills. Provides theories and concepts for applying the nursing process while caring for patients experiencing selected health issues.

NUR 124C Nursing Concepts Application II (2) I,II. Prerequisite: NUR 114 & 114C, HSO 100, BIO 171, NFA 201, ENG 101, all with a grade of "C" or better. Corequisite: NUR 124. This course provides application of nursing concepts in the clinical setting while caring for patients experiencing selected health issues.

NUR 126 Perinatal Nursing Concepts (2) I,II Prerequisites: NUR 114,114C; HSO 100, BIO 171, NFA 201, & ENG 101, all with a grade of "C" or better. Corequisite: NUR 126C. Builds upon previously learned concepts and skills. Provides theories and concepts for applying the nursing process while caring for families throughout the childbearing experience.

NUR 126C Nursing Concepts II - Perinatal (1) I, II. Prerequisites: NUR 114,114C; HSO 100, BIO 171, NFA 201, & ENG 101, all with a grade of "C" or better. Corequisite: NUR 126. Application of the nursing process when caring for families during the childbearing experience.

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 critical care dosages.

NUR 217 Strategies for Success in Nursing. (1) I, II. Prerequisite: Readmission to the ADN program. Explores strategies to develop habits which promote success. Required for students readmitted to the ADN program after being unsuccessful in an NUR core course.

NUR 232 Nursing Concepts III-Med-Surg. (5) I, II. Prerequisites: NUR 124, 124C, 126, 126C; ENG 102, BIO 301, SOC 131, all with a grade of "C" or better. Corequisite: NUR 232C. Provides theories and concepts for applying nursing judgment while caring for adult and pediatric patients experiencing selected complex health issues.

NUR 232C Nursing Concepts Application III (3) I,II. Prerequisite: NUR 124,124C,126,126C; ENG 102; BIO 301; SOC 131, all with a grade of "C" or better. Corequisite: NUR 232. This course provides application of nursing concepts in the clinical setting when caring for adult and pediatric patients experiencing selected complex health issues.

NUR 234 Mental Health Concepts (2) I,II. Prerequisites: NUR 124,124C,126,126C; ENG 102; BIO 301; SOC 131, all with a grade of "C" or better. Corequisite: NUR 234C. Provides theories and concepts for nursing judgment while caring for patients with a focus on psychosocial mental health.

NUR 234C Mental Health Application (1) I,II. Prerequisites: NUR 124, 124C, 126, 126C; ENG 102, BIO 301, SOC 131, all with a grade of "C" or better. Corequisites: NUR 234. This course provides application of nursing concepts in the clinical setting when caring for patients with a focus on psychosocial mental health.

NUR 240 Nursing Concepts IV-Med-Surg. (5) I, II. Prerequisites: NUR 232, 234, and BIO 273 or MLS 209/211, (all with a minimum grade of "C"); NUR 232C and 234C with a minimum grade of S. Corequisite: NUR 241C. Provides theory and concepts for applying nursing judgment for the care of groups of patients experiencing selected complex health issues.

NUR 241C Clinical Nursing Synthesis. (4) I, II. Prerequisite: NUR 232, 234, and BIO 273 or MLS

209/211, all with a minimum grade of "C";NUR 232C and 234C with a minimum grade of "S". Corequisite: NUR 240, and NUR 255. Clinical immersion synthesizing nursing judgment in caring for groups of patients experiencing complex health issues. Must be taken during the last semester of the ADN program.

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 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.

NUR 255 Trends and Issues in Nursing. (2) I, II. Prerequisites: NUR 232 and 234 with a minimum grade of "C"; NUR 232C and 234C with a minimum grade of S. Corequisite: NUR 241C. Focuses on current issues and trends in nursing. Ethical, legal, and professional responsibilities and career opportunities are examined.

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.

NUR 300 Individual Clinical Enrichment. (1-6). A. Prerequisite: departmental approval. Integrates theory and practice through collaborative partnerships to enhance clinical nursing competencies.

**OHO—Ornamental Horticulture
Dr. William E. Davis, Interim Chair**

OHO 115 Operation of Horticultural Equipment. (2) I. Lecture, laboratory and field experiences related to horticultural power equipment, and their safe operation, including hydraulics, electricity, chemical, and maintenance facilities. 1 Lec/2 Lab.

OHO 131 Plant Science. (3) A. Corequisite: OHO 132. Principles of plant growth, reproduction and plant-soil relationships. Provides foundations of information for further study in agricultural and horticultural crop production and soil management. Credit will not be awarded to students who have credit for AGR 130.

OHO 132 Plant Science Laboratory. (1) A. Corequisite: OHO 131. Laboratory, and field experiences related to plant growth, development, and management of crops. work which applies the principles of nursery, turf, and greenhouse management taught in the classroom. Credit will not be awarded to students who have credit for AGR 131.

OHO 301 Directed Work Experience. (1-4) I, II. A minimum of three hours per week per hour of credit using university or other approved facilities. May be retaken for a maximum of 4 credit hours.

OHO 304 Horticulture Pest Management (4) II. Identification of the principle horticulture insect, disease, and weed pests in the transition zone. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration. Credit will not be awarded for both OHO 304 and AGR 304. 3 Lec/2 Lab.

OHO 349 Applied Learning in Horticulture. (.5-8) 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-N Cooperative Study: Horticulture. (.5-8) 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 353 Sports Turf Management. (3) A. Management techniques for today's specialized athletic fields. The agronomic aspects of football, soccer, baseball, and some specialty fields are presented. Field trips and classroom exercises develop a practical understanding of field construction and management.

OHO354 Irrigation Systems and Horticultural Equipment (3)I. An introduction to irrigation systems, their design and installation for efficient water utilization. Lecture and field experiences related to horticultural power equipment and their safe operation. 2 Lec/2 Lab.subirrigation systems are evaluated.

OHO 362 Topics in Landscape Gardening. (1-6) A. Students may enroll once in each topic for a total of seven hours.

OHO 362E Floral Design Option. (2)(L) (2 credit hours: 1 Lec/2 Lab)

OHO 362G Problems of Golf Course Operation Option. (1)(L)

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 365 Plant Identification I. (3) A. Study of plants used in horticulture (including landscape and specialty crops) including their biological identification, ornamental features, environmental adaptation, utilization, and management. 2 Lec/ 2 Lab

OHO 366 Plant Identification II. (2) A. Study of plants used in landscaping and nursery production including their biological identification, ornamental features, environmental adaptation, utilization, and management 1 Lec/2 Lab.

OHO 368 Landscape Design using CAD. (2) I. Introduces computer aided design (CAD) for landscape design. The course also provides experience in the use of commercially available programs for landscape design, project management, pricing, and bid preparation. 4 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 372 Horticulture Retail and Wholesale Management. (2) A. The design, development, and management of a retail/wholesale outlet for horticultural products. Students will develop a model retail/wholesale business including all phases of applied sciences such as business record keeping. 1 Lec/2 Lab.

OHO 373 Fruit Production. (3) A. Study of domestic and commercial production practices of fruits including identification, agricultural and environmental characteristics, horticulture, and marketing. Fruits include tree fruits, vines, brambles, and soft fruits. 2 Lec/2 Lab.

OHO 374 Vegetable Production. (3) A. Study of domestic and commercial production of vegetables including identification, agricultural and environmental characteristics, horticulture, and marketing. 2 Lec/2 Lab.

OHO 375 Post Harvest Technology of Horticultural Crops (3) A. The science and procedures for handling, packaging, storing and transporting fresh fruits, vegetables and ornamentals.

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. 2 Lec/2 Lab.

OHO 391 Landscape Design and Methods. (3) A. Prerequisite: OHO 365. Elements of design and the execution of the landscape architect plan. 1 Lec/4 Lab.

OHO 392 Landscape Construction 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 Independent Study in Horticulture: _____. (1-3) I, II. Prerequisite: Departmental approval.

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. May be retaken for a maximum of 6 credit hours provided topics are different. Credit will not be awarded for both OHO 410 and AGR 410.

OHO 498 Turfgrass Capstone. (3) A.

Prerequisites: OHO 351 or 353, and Junior or Senior Standing. A comprehensive review of information pertinent to managing turfgrass areas that will enhance graduate's ability to stay within budget, stay on task with seasonal work, and prepare for industry offered certification exams.

OHO 499 Horticultural Issues Capstone. (3) A.

Prerequisite: OHO 349 and Junior or Senior standing. Provides students with an in-depth examination of the issues facing contemporary horticultural managers including management principles, ethical considerations, and delivery of a quality product or service.

**OSH—Occupational Safety and Health
Dr. Troy Rawlins, Coordinator**

OSH 110 Introduction to Safety Studies (3), I, II, and A. Students will develop the necessary writing, study, research resource, and Blackboard navigation skills necessary to successfully complete occupational safety related curriculum. Students will also be introduced to the profession, terminology of the field, and basic hazard recognition.

OSH 200 Applied Fire and Safety Analysis

(3) A. Cross-listed as FSE 200. Analytical and statistical concepts and procedures for the treatment of fire and safety related data. Includes quantitative and qualitative techniques, descriptive and inferential statistics. Credit will not be awarded for both OSH 200 and FSE 200.

OSH 225 Legal Aspects of Fire Protection and Safety. (3) A. Cross-listed as FSE 225. 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. Credit will not be awarded for both OSH 225 and FSE 225.

OSH 261 Principles of Occupational Safety and Health (3) A. Prerequisite and/or Corequisite: OSH 110. Formerly OSH 361. 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. Credit will not be awarded to students who have credit for OSH 361 or FSE 361.

OSH 262 Principles of Occupational Safety and Health Legislation (3) A. Formerly OSH 362. Prerequisite or Corequisite: OSH 261. Review of OSHA standards with emphasis on compliance and liability reduction. Discussion of OSHA regulations including citations, penalties, inspections, and record keeping. Credit will not be awarded for both OSH 262 and OSH 362.

OSH 305 Hazardous Materials. (3) A.

Prerequisite: FSE 120. Cross-listed with FSE 305. Study of hazardous material problems in transportation, storage, and use. Chemical properties relating to specific reactions, engineering controls, and control in an emergency situation. Emphasis on the role of pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident. Credit will not be awarded for both OSH 305 and FSE 305.

OSH 349 Applied Learning in Occupational Safety. (.5-8) A. Cross-listed with FSE 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. Credit will not be awarded for both OSH 349 and FSE 349.

OSH 349 A-N Cooperative Study:

Occupational Safety. (.5-8) A. Cross-listed with FSE 349 A-N. 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. Credit will not be awarded for both OSH 349 A-N and FSE 349 A-N.

OSH 366 Hazard Identification and Control

(3) A. Prerequisite: OSH 261 with a grade of C or higher 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. Credit will not be awarded for both OSH 366 and FSE 366.

OSH 367 Human Factors in Occupational Safety. (3) A. Prerequisite or Corequisite: OSH 261. 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. Credit will not be awarded for both OSH 367 and FSE 367.

OSH 370 Process Safety Management. (3)

I, II, and A. Prerequisite: OSH 366. This course is designed to introduce the occupational safety student to the process safety management standard, 29 CFR 1910.119, and cover complex management topics involved in managing processes of highly hazardous chemicals.

OSH 379 Construction Safety. (3) A.

An in-depth analysis of the federal and Commonwealth of Kentucky's OSHA requirements for construction safety. Credit will not be awarded for both OSH 379 and FSE 379.

OSH 390 Workers Compensation I. (3)

A. An in-depth study of the foundations of Workers Compensation law. Emphasis will be placed on the history and theory of injuries "arising out of" and being "in the course of" employment. Credit will not be awarded for both OSH 390 and FSE 390.

OSH 410W Safety Management Systems.

(3) I, II, and A. Prerequisite: ENG 102, 105(B), or HON 102; OSH 261. This writing-intensive course is designed to provide the student with the knowledge and skills to apply safety management systems components, hazard analysis, and causal analysis. Credit will not be awarded for both OSH 410 and OSH 410W.

OSH 412 Safety and Health Program

Management. (3) A. Prerequisite or Corequisite: OSH 410. 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. Credit will not be awarded for both OSH 412 and FSE 412.

OSH 420 Environmental Law and

Management. (3) I, II. Formerly FSE 420. 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 FSE 420.

OSH 450 Safety Training Strategies. (3), I, II, and A. Students will learn how to apply adult learning and technical training strategies to occupational training programs for management and workforce safety related topics.

OSH 489 Topical Seminar: _____ (1-3), I,

II, and A. Development of special skills and content knowledge of contemporary issues in occupational safety. May be retaken to a maximum of six hours, provided the subject matter differs each time.

OSH 495 Senior Capstone (3) A. Prerequisite: OSH 410 or 410W with a grade of C or higher. Students examine case studies, examine real life situations, combine knowledge they have gained from previous coursework, analyze and develop strategies, develop countermeasures, engage in strategic planning and policy

development and training.

OSH 498 Independent Study. (1-3) A.

Prerequisite: Departmental approval. Individual reading and research on a problem or area within the field of Occupational Safety 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 providing project title differs.

OTS—Occupational Science and Occupational Therapy

Dr. Colleen Schneck, Chair

OTS 101 Occupation Perspectives: Human Services. (3) A. An occupational science perspective of health and human service professions. Through lecture, active learning and community experiences, students will explore the themes of occupation, professional identity, reasoning, communication and diversity in professional responsibilities.

OTS 205 Horse and Human Co-Occupation: (3)

A. Provides information regarding the equine industry in connection with human health and wellness. Areas of focus include career directions, understanding horse/human co-occupation and equine movement in concert with human interaction.

OTS 301 Practicum I: Concepts. (4) A.

Prerequisites: BIO 171, BIO 301, and PSY 200. Corequisites: OTS 311 and OTS 432. Concepts of occupational science and occupational therapy. Integrate knowledge of self as a creative and active occupational being through reflection and portfolio development.

OTS 302 Practicum II: Life Narratives. (3)

A. Prerequisites: OTS 301, 311 and 432 with a grade of C or better. Corequisites: OTS 313, 335, and 421. Introduction to life narratives as an assessment of occupation. Active learning experiences focusing on occupation across the lifespan including reflection and portfolio development.

OTS 311 Self as Occupational Being. (3) A.

Corequisites: OTS 301 and OTS 432. Analysis of occupation and occupational patterns of self. Recognize the influence of occupation on the well-being of self through active learning experiences.

OTS 312 Occupation by Design. (3) A.

Corequisites: OTS 401, 422 and BIO 271. Foundational problem solving, task, and activity analysis concepts related to designing occupations. Students apply strategies to implement a design process.

OTS 313 Occupation in Context. (3) A.

Corequisite: OTS 302. The student will gain an understanding of occupation as influenced by interrelated multiple contexts. Through active learning experiences the student will be able to recognize and apply the constructs of context.

OTS 335 Professional Dynamics. (3) A.

Corequisite: OTS 302. Analysis and application of communication skills necessary for becoming an effective team member. Emphasis on theories of group dynamics, leadership and professional interaction skills, decision making and conflict resolution through active learning.

OTS 362 Human Motion for Occupation. (3)

A. Prerequisite: BIO 271. Corequisites: OTS 402/402S, 430, and 478/478W. Application to occupational performance of the physics of movement, biomechanical analysis and motor learning. Includes evaluation procedures for muscle strength and range of motion. 2 Lec/2 Lab.

OTS 365S Engagement and Advocacy for Elders (3) A, I, II. Supervised service learning opportunities to create and implement occupation-based programming at a community-based respite care program and to advocate for elders with Alzheimer's Disease. Credit will not be awarded for both OTS 365S and special topics course OTS: The Place to Be.

OTS 380 Gender and Work in the U.S.

(3) Prerequisite: ENG 102 or 105 (B) or HON 102 or departmental approval. A survey view of occupational science and sociological constructs related to gendered

work. Includes content on family work linkages, gendered organizations, and public policies in the workplace. Credit will not be awarded to students who have credit for OTS 480, WGS 380 or WGS 480.

OTS 401 Practicum III: Diversity. (3) A.

Prerequisite: OTS 302 with grade of C or better. Corequisites: OTS 312, 422 and BIO 271. Introduction to cultural competence and diversity. Enhance understanding of ability and disability concerns in society through interview, reflection and portfolio development.

OTS 402 Practicum IV: Advocacy &

Research. (3) A. Prerequisite: OTS 401. Corequisites: OTS 362, 430, and 478/478W. Participatory experiences in the application of advocacy, ethics, and research to advance health and wellness. Course includes self reflection and portfolio completion. Credit will not be awarded for both OTS 402 and 402S.

OTS 402S Practicum IV: Advocacy and

Research. (3) A. Prerequisite: OTS 401. Corequisites: OTS 362, 430, and 478/478W. Participatory experiences in the application of advocacy, ethics, and research to advance health and wellness. Course includes self reflection and portfolio completion. Credit will not be awarded for both OTS 402 and 402S.

OTS 410 Independent Study in Occupational Science. (1-3) A. Prerequisite: student must have the independent study proposal approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

OTS 421 Occupation Across the Lifespan. (3)

A. Corequisite: OTS 302. Observation and analysis of participation in occupation across the lifespan. Content explores life-stage characteristics and contextual aspects as articulated by varied models and theories.

OTS 422 Impact of Conditions on Occ. (4) A.

Prerequisite: BIO 371. Corequisites: OTS 312, 401 and BIO 271. Introduction to human occupation and medical terminology in the context of disease and disability. Content includes pathophysiological, behavioral and developmental issues which have an impact on human occupation.

OTS 430 Intervention in Health and Human

Services. (3) A. Corequisites: OTS 362, 402 or 402S, and 478 or 478W. 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. (4) I, II.

Prerequisite: STA 215. Corequisites: OTS 301 and OTS 311. 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 occupational science. Apply statistical methods to the study of occupation.

OTS 475 Special Topics: _____ (1-3) A.

Prerequisite: permission of department. May be retaken under different subtopics for a total of 6 credits. Advanced study of selected topics in occupational science.

OTS 478 Health Care Delivery System. (3) A.

Corequisites: OTS 362, OTS 402/402S, and 430. An introduction to the history of health care systems, models of health care, and contemporary health policy issues and trends. Includes content on financing health care, health care professional roles and ethics. Credit will not be awarded for both OTS 478 and OTS 478W.

OTS 478W Health Care Delivery System. (3)

A. Corequisites: OTS 362, OTS 402/402S, and 430. An introduction to the history of health care systems, models of health care, and contemporary health policy issues and trends. Includes content on financing health care, health care professional roles and ethics. Credit will not be awarded for both OTS 478 and OTS 478W.

OTS 479 Equine Assisted Activity. (3) A.

Explores equine assisted activity, therapeutic horseback riding, equine facilitated mental health, and hippotherapy. Content includes supervised service learning experiences with individuals of varying ages and conditions in a horse-related environment. Credit will not be awarded for both OTS 479 and 479S.

OTS 479S Equine Assisted Activity. (3) A.

Explores equine assisted activity, therapeutic horseback riding, equine facilitated mental health, and hippotherapy. Content includes supervised service learning experiences with individuals of varying ages and conditions in a horse-related environment. Credit will not be awarded for both OTS 479 and 479S.

OTS 499 Constructs of Occupation. (6) A.

Prerequisite: undergraduate degree, BIO 171, 301, PSY 200 and STA 215. Synthesis of occupational constructs as they apply to self and others. Emphasis on occupation across the lifespan, design, and analysis. Portfolio development emphasizes occupation theme.

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. Cross-listed as APP 520. Prerequisite: departmental approval. An analysis 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. Credit will not be awarded for both OTS 520 and APP 520.

PGM—Professional Golf Management

PGM 100 PGA Playing Ability Test (0) A.

Prerequisite: Consent of advisor. Exit requirement for Professional Golf Management option of the Marketing B.B.A. program. Registration in PGM 100 is required of all undergraduate B.B.A. Marketing/PGM Option students for the term in which they wish to take their comprehensive exam.

PGM 199 PGA Education Level 1 (0) A.

Prerequisite: Consent of advisor. Exit requirement for Professional Golf Management option of the Marketing B.B.A. program. Registration in PGM 199 is required of all undergraduate B.B.A. Marketing/PGM Option students for the term in which they wish to take their comprehensive exam.

PGM 299 PGA Education Level 2 (0) A.

Prerequisite: Consent of advisor. Exit requirement for Professional Golf Management option of the Marketing B.B.A. program. Registration in PGM 299 is required of all undergraduate B.B.A. Marketing/PGM Option students for the term in which they wish to take their comprehensive exam.

PGM 349 Applied Learning in PGA/

Professional Golf Management. (.5-1) A. Prerequisites: minimum GPA 2.25 and admission to PGM. Transfer students are eligible after one semester on campus. Co-curricular work experience under PGM staff and field supervisors. The student is assigned duties and responsibilities approved by PGM Program Coordinator or Director of PGA/PGM and the PGA member on-site. A contract outlining student responsibility is required and must be signed by the student, supervising professional, and a PGM staff member prior to placement. A maximum of five credit hours may be applied toward major.

PGM 349-A-N Cooperative Study: PGA

Golf Management. (.5) A. Prerequisites: minimum GPA 2.25 and admission to PGM. Transfer students are eligible after one semester on campus. Co-curricular work experience under PGM staff and field supervisors. The student is assigned duties and responsibilities approved by PGM Program Coordinator or Director of PGA/PGM and the PGA member on-site. A contract outlining student responsibility is required and must be signed by the student, supervising professional, and a PGM staff member prior to placement. A maximum of 2.5 credit hours may be applied toward major.

PGM 399 PGA Education Level 3 (0) A.

Prerequisite: Consent of advisor. Exit requirement for Professional Golf Management option of the Marketing B.B.A. program. Registration in PGM 399 is required of all undergraduate B.B.A. Marketing/PGM Option students for the term in which they wish to take their

comprehensive exam.

PGM 499 PGA Final Experience (0) A.

Prerequisite: Consent of advisor. Exit requirement for Professional Golf Management option of the Marketing B.B.A. program. Registration in PGM 499 is required of all undergraduate B.B.A. Marketing/PGM Option students for the term in which they wish to take their comprehensive exam.

**PHE—Physical Education
Dr. Eric Fuchs, Chair**

PHE 180 Lifetime Wellness. (3) I, II.

Interactive learning and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. This course offers a comprehensive discussion of the critical areas of health, physical fitness, and wellness.

PHE 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. Credit will not be awarded for both PHE 190 and HPR 190.

PHE 200 Dance and Culture. (3) I.

Introduction to dance and its role as a non-verbal means of expression. The course examines several dance forms and their cultural context including folk, social, ethnic, entertainment, and dance as an art form. Gen. Ed. 3A.

PHE 201 Foundations of Sport Science. (3) I, II.

Introduction to the profession, exposure to professional standards in the field, and historical perspective and philosophies in physical education and sports science.

PHE 212 Care and Prevention of Athletic and

Exercise Injuries. (3) I, II. Overview of the mechanism, prevention, management, and rehabilitation of athletic and exercise injuries.

PHE 220 Team Sports I. (2) I.

Basic skills, strategy, rules, officiating, and teaching techniques related to various team sports.

PHE 224 Team Sports II. (3) I, II.

Prerequisite: Open only to majors in Physical Education or Sport Management, or those who have declared a coaching minor, coaching/ personal training certificate, or those with departmental approval. Basic skills, strategy, rules, officiating, and teaching techniques related to basketball, volleyball, soccer, and track and field.

PHE 230 Social Dance I. (1) I, II.

This course introduces the basic movement concepts of social dancing. Rhythm, style and variations of several popular social dances are covered as well as leading and following skills. Some of the dances covered include: swing, salsa, merengue, tango, waltz and hustle.

PHE 241 Swimming and Water Safety. (1) A.

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 250 Modern Dance (1) I, II.

A beginning level modern dance technique class designed to introduce the student to basic modern dance skills and concepts including some improvisation and choreographic skills. No prior dance experience is necessary. May be retaken up to a maximum of 3 hours.

PHE 261 Coaching Baseball and Softball. (2)

I, II. Theory and practice in coaching the fundamentals of baseball and softball; team offense and defense.

PHE 271 Ballet I. (1) A.

A beginning ballet class designed to introduce the student to the art of ballet. Basic barre, center floor and across the floor combinations are performed. Ballet history and terminology are covered through the textbook readings and videos.

PHE 300 Dance Activities in the Schools. (3)

II. Teaching creative and social forms of dance in the educational and recreational setting.

PHE 301 Foundations of Coaching. (3) I, II.

Coaching communication, organization, motivational skills, sports skills, tactics, and philosophy. American Sport Education Program (ASEP) certification awarded to those who qualify.

PHE 305 Individual and Dual Sports I. (3)

I, II. Prerequisite: Open only to majors in Physical Education or Sport Management, those who have declared a coaching minor, coaching/personal training certificate, or those with departmental approval. 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, bowling, 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 313 Lifeguard Training. (2) 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 315 Physical Fitness Concepts and Applications. (3) I, II. Prerequisite: Open only to majors in Physical Education or those with departmental approval. 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 322 Legal Issues in Sport. (3) I. Prerequisite: GBU 204. Legal issues involved in the supervision, management, and business operations of sport. A critical perspective of the American legal system as it applies to sport.

PHE 323 Movement Concepts and Skill Themes. (3) I. Prerequisites: physical education major, CED 100 and EDF 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 324 Policy and Governance in Sport. (3) I. Designed to encourage students to integrate management theory with governance and policy development. Provides an overview of the sport industry from the perspective of the sport management professional.

PHE 325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body.

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 328 Sport Finance. (3) II. Course will examine all aspects of successful sport business operations, including budgeting, legal issues, marketing, competitive positioning, regulatory compliance, and strategies for success in sport and recreation industry.

PHE 330 Social Dance II. (1) A. This course will build on skills learned in Social Dance I. New dances covered will include: Triple Swing, West Coast Swing, Bolero, Samba and Quickstep. More variations will also be introduced for dances learned in Social Dance I.

PHE 340 Advanced Swimming for Fitness/Water Safety Instructor. (3) I, II. Prerequisite: proficient swimming ability. For excellent swimmers, this American Red Cross course will train students to become certified swimming instructors. Course consists of lecture, lab, technique instruction, and practice teaching. WSI certification for those who qualify.

PHE 345 Dance Choreography. (2) II. Basics of dance choreography, applicable to entertainment and art forms of dance.

PHE 349 Applied Learning in Physical Education. (.5-8) 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-N Cooperative Learning: Physical Education. (.5-8) 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 350 Modern Dance I, II. (1) A. An intermediate level Modern Dance technique class including floor, center floor and across the floor dance combinations. The course is designed to help the student improve his/her alignment, technique, improvisation and choreographic skills.

PHE 355 Ethnic Dance Forms. (1) A. A beginning/intermediate dance class in a particular ethnic form of dance. Basic steps and rhythms characteristic of the dance form will be learned as well as information about the culture from which it is derived.

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 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 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. Credit will not be awarded for both PHE 390 and HPR 390.

PHE 400 Management of Sport Organizations. (3) II. Aspects of sport management including disciplinary foundations of sport, theoretical and applied foundations of organization and management, opportunities available in various segments of the sport industry, and professional preparation and development.

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) II. Prerequisites: EDF 203. Knowledge and skills needed to conduct cooperative, leisure, adventure, and outdoor motor activities for achievement of important personal and educational goals in the school system.

PHE 418 Dance Science. (3) A. Application of functional anatomy, basic physiology and physics to dance movement. Offers knowledge base for teachers to instruct safe and effective dance classes and prevent injury. Requirement for Dance Certification.

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 430 Fitness Program Administration. (3) I. Prerequisites: PHE 320, 325, and 407 with a grade of "C" or better. Students will learn aspects of fitness and wellness program administration, including management skills, budgeting, member tracking, promotion, and record keeping. Additionally, students will be introduced to electrocardiography.

PHE 433 Adult Physical Fitness Programs. (3) II. Prerequisites: BIO 171, 301, PHE 325 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 Group Fitness Instruction. (3) I. Prerequisites: PHE 320 and 325. 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 a group exercise class.

PHE 450 Modern Dance III. (1) I, II. An advanced level modern dance technique class including floor, center floor and across the floor dance combinations. The course is designed for the dancer that has had several years of dance training and is prepared for more challenging and complex dance skills. May be retaken to a maximum of three 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 sport management core and supporting courses. Students are required to document a minimum of 50 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 471 Practicum in Teaching Dance. (3) A. Practical experience creating lesson plans and teaching dance in the P-12 school system. Practicum students will teach primary, elementary, middle and secondary students, dance as an art form along with ethnic, folk and social dance. Required for Dance Certification.

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 490 Experiences in Research (1-3) I, II. Prerequisites: ATR 100 or PHE 201 and departmental approval. Directed research experience in athletic training, physical education or sports management. May be retaken to a maximum of 9 hours. Student must have research proposal form approved by faculty supervisor and department chair prior to enrollment.

PHE 517 Bioenergetics in Physical Activity (3) A. Prerequisite: Junior/senior standing in major or with departmental approval. Study of bioenergetics processes and the relationship to energy storage, transformation and utilization in biological systems. Study of energy metabolism during different physiological conditions and the applications to clinical exercise science and sport.

PHE 530 Sports Information Programs. (3) II. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information; press releases, publications programs, office and staff organization, time utilizations, news media, and formats.

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. Michael Austin, 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.

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. Credit will not be awarded for both PHI 110 and 110W. Gen. Ed. E-3B [AH].

PHI 110W Beginning Philosophy: Writing Intensive. (3) I, II. Prerequisite: ENG 102 or 105(B) or HON 102(B). A writing-intensive basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief. Credit will not be awarded for both PHI 110 and 110W. Gen. Ed. E-3B [AH].

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. Credit will not be awarded to students who have credit for PHI 130S. Gen. Ed. E-3B [AH].

PHI 130S 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, enhanced with a service learning component. Credit will not be awarded to students who have credit for PHI 130. Gen. Ed. E-3B [AH].

PHI 240 Philosophy of Religion. (3) A. Study of religious experience, faith and knowledge, the nature and existence of God, the problem of evil, religious ethics, and religious language. Credit will not be awarded for both PHI 240 and 240W. Gen. Ed. E-3B [AH].

PHI 240W Philosophy of Religion: Writing Intensive. (3) A. Prerequisites: ENG 102 or 105 (B) or HON 102. Study of religious experience, faith and knowledge, the nature and existence of God, the problem of evil, religious ethics, and religious language. Credit will not be awarded for both PHI 240 and 240W. Gen. Ed. E-3B [AH].

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. Credit will not be awarded for both PHI 300 and 300W. Gen. Ed. E-3B [AH].

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. E-3B [AH].

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 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. Credit will not be awarded for both PHI 340 and 340W.

PHI 340W Philosophy of Science: Writing Intensive. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102(B). A writing-intensive basic introductory course in philosophy of science. 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. Credit will not be awarded for both PHI 340 and 340W.

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. (.5-8) 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-N Cooperative Study: Philosophy. (.5-8) 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. 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 360 Ethical Theory and Practice. (3) A. Prerequisite: ENG 102, 105(B), or HON 102; PHI 110 or 130. An advanced course in ethics that examines the intersection of ethical theory and practical ethics. Topics include major ethical theories, the nature and aims of applied ethics, and critical and creative thinking in ethical problem-solving.

PHI 362 Technology and Values. (3) A. An examination of philosophical issues related to science, technology, public health, economics, and the environment, with special attention being given to the personal and social ethical issues that arise in these contexts.

PHI 371 Symbolic Logic. (3) A. Basic introduction to modern symbolic logic: propositional logic, first order predicate logic, proofs and metaproofs, and nature and properties of formal logic systems.

PHI 381 Animal Ethics (3) A. An examination of major theories of animal welfare and rights; consideration of issues involving the use of animals as food and other goods, animal experimentation, wildlife, endangered species, hunting, animals and sport, pets, and zookeeping.

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. Credit will not be awarded for both PHI 383 and PHI 383W.

PHI 383W Health and Biomedical Ethics. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. An examination of the value-issues which surround problems that arise or 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. Credit will not be awarded for both PHI 383 and PHI 383W.

PHI 385 Environmental Ethics. (3) A. Cross-listed as ENV 385. Prerequisite: ENG 102 or 105 (B) or HON 102. An examination of historical and contemporary views of the values and rights of nature. Possible topics include animal rights, conservationism, the land ethic, stewardship, deep ecology, ecofeminism, and indigenous approaches to the environment. Credit will not be awarded for both PHI 385 and ENV 385.

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. (1-3) 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 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, POL 551W or PHI 551W.

PHY—Physics
Dr. Anthony Blose, Chair

PHY 101 Conceptual Physics. (3) I, II. Prerequisite: MAT 105 or higher or departmental approval. Conceptual approach to topics such as kinematics, Newtonian mechanics, electricity, magnetism, and optics. Not intended for science majors. Credit will not be awarded to students who have credit for PHY 102. 4 Lec/Lab. Gen. Ed. E-4 [NS].

PHY 102 Inquiry Physics for MS Teachers. (3) A. Prerequisite: MAT 105 or higher and pre-teaching or teaching middle school education majors or departmental approval. An inquiry-based, conceptual-approach physical science course for middle school teaching majors. Topics include kinematics, matter and heat, optics, electricity, and magnetism. Credit will not be awarded for both PHY 101 and 102. 1 Lec/4 Lab. Gen. Ed. E-4 [NS].

PHY 104 Inquiry Physical Science for Elementary Teachers (3) I, II. Cross-listed with CHE 104. Prerequisite: Elementary education majors only, sophomore standing, and MAT 112 or higher. An activity-oriented conceptual course in the physical sciences. Topics include the structure and properties of matter, heat and temperature, forces, motion, magnets, energy, and sound waves. Credit will not be awarded for both CHE 104 and PHY 104. 2 Lec/2 Lab.

PHY 129 Success in College Physics (1) I, II. Corequisite: PHY 131. This course will emphasize topics presented in PHY 131 that the students may require additional instruction to master. Topics to be covered will include one-dimensional motion, Newton's Laws of Motion, momentum, energy, and rotational motion. Students will be allowed to enroll up to four weeks after classes start. A withdrawal from PHY 131 must be matched by a withdrawal from PHY 129.

PHY 131 College Physics I. (5) I, II. Prerequisite: MAT 120 or higher or departmental

approval. Algebra and trigonometry based approach to Newtonian mechanics, including kinematics, Newton's laws, momentum, energy, and rotation. Credit will not be awarded to students who have credit for PHY 201. A withdrawal from PHY 131 must be matched by a withdrawal from PHY 129 if enrolled in both courses. 6 Lec/Lab. Gen. Ed. E-4 [NS].

PHY 132 College Physics II. (5) I, II.

Prerequisite: PHY 131 or departmental approval. Algebra and trigonometry based approach to electromagnetic phenomena, including electric forces and fields, simple DC circuits, magnetic forces and fields, magnetic induction, and optics. Credit will not be awarded to students who have credit for PHY 202. 6 Lec/Lab.

PHY 200 Volunteering in Physics and Astronomy. (0) A. An exposure to physics and astronomy activities, including, but not limited to, exploring physical and astronomical research projects, organizing physics and astronomy community service, and assisting at other physics and astronomy departmental events. Students can choose the focus of the volunteering in each semester. Passing grade achieved for attending 80% of the designated activities in each semester.

PHY 201 University Physics I. (5) I, II.

Prerequisite: MAT 211, 234 or 234H, 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. 6 Lec/Lab. Gen. Ed. E-4 [NS].

PHY 202 University Physics II. (5) I, II.

Prerequisite: PHY 201 with a grade of "C" or better. Prerequisite or Corequisite: MAT 244 or 244H, or departmental approval. 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. 6 Lec/Lab.

PHY 211 Intermediate Physics (4) A.

Prerequisites: PHY 201 with a grade of "C" or better or PHY 131 with a grade of "B" or better; MAT 234 or 234H; or departmental approval. Applications of calculus to physical principles. Topics include fluid mechanics, thermodynamics, and wave optics.

PHY 221 Statics. (3) A. Prerequisite: PHY

201. Prerequisite/Corequisite: MAT 244 or 244H, or departmental approval. Study of force systems on bodies at rest, descriptions of force systems, distributed and internal forces, frames and trusses, beams.

PHY 302 Modern Physics (4) A. Prerequisites:

PHY 132 or PHY 202; MAT 211, 234 or 234H, or departmental approval. Physics of the 20th century. Topics include special relativity, quantum effects, wave theory, Bohr theory, nuclear structure, nuclear reactions, and other topics related to 20th century modern physics. Credit will not be awarded to students who have credit for PHY 302W.

PHY 302W Modern Physics (4) A. Prerequisites:

ENG 102, 105(B), or HON 102; PHY 132 or PHY 202; MAT 234 or 234H, or MAT 211, or departmental approval. Physics of the 20th century. Topics include special relativity, quantum effects, wave theory, Bohr theory, nuclear structure, nuclear reactions, and other topics related to 20th century modern physics. Credit will not be awarded to students who have credit for PHY 302.

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 310 Theoretical Methods in Physics.

(3) A. Prerequisites: MAT 254 or 254H, or departmental approval. Prerequisite/Corequisite: PHY 202 with a grade of "C" or better or departmental approval. Analytical methods for characterizing physics models and solving physics problems in advanced topics are discussed,

including vector analysis, linear algebra, complex analysis, infinite series, waves and Fourier series, differential equations and other techniques.

PHY 315 Electrical Circuits. (4) A.

Prerequisite: PHY 202 or departmental approval. Prerequisite or Corequisite: MAT 244 or 244H. 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. (.5-8)

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-N Cooperative Study: Physics. (.5-8) 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 Engineering Thermodynamics. (3)

A. Prerequisite: PHY 202 or departmental approval. Prerequisite or Corequisite: MAT 244 or 244H. Study of temperature, thermodynamic systems, ideal gases, first and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy, including thermodynamic analysis of engineering devices.

PHY 402 Physical Optics. (3) A. Prerequisite:

PHY 202 or departmental approval. Prerequisite or Corequisite: MAT 244 or 244H. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction, lasers, holography.

PHY 406 Advanced Physics Laboratory. (3)

A. Prerequisite: PHY 302 or 302W, or departmental approval. Experiments in mechanics, optics, electricity, and magnetism, and nuclear physics. Computer simulations of physical situations. Measurement and data analysis techniques, including error analysis. Credit will not be awarded to students who have credit for 406W. 5 Lec/Lab.

PHY 406W Advanced Physics Laboratory.

(3) A. Prerequisites: ENG 102, 105(B), or HON 102; PHY 302 or 302W, or departmental approval. Experiments in mechanics, optics, electricity, and nuclear physics. Computer simulations of physical situations. Measurement and data analysis techniques, including error analysis. Credit will not be awarded to students who have credit for PHY 406. 5 Lec/Lab.

PHY 410 Independent Study in Physics: ___

(1-6) A. Prerequisite: PHY 202 or departmental approval. 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 411 Special Topics in Physics: (1-6)

A. Prerequisite: PHY 202 or departmental approval. Special topics in physics of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours provided subject matter is different each time.

PHY 412 Directed Research in Physics: ___ (1-6)

A. Prerequisite: PHY 302 and departmental approval. A directed research experience for physics majors that may include laboratory experiments, development of new equipment, physics education research, or computational solutions of special problems related to physics. May be retaken to a maximum of six hours. Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

PHY 421 Electricity and Magnetism I. (3)

A. Prerequisite: PHY 310 or departmental approval. Electrostatics in vacuum and dielectrics, solutions of Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

PHY 422 Electricity and Magnetism II. (3) A.

Prerequisites: PHY 421 or departmental approval. Maxwell's equations, electromagnetic waves in insulators and conductors, energy and momentum, electromagnetic radiation, dipole radiation, special relativity, special applications.

PHY 456 Statistical and Thermal Physics

(4) A. Prerequisites: PHY 302; PHY 310 with a grade of "C" or better; or departmental approval. Microscopic approach to thermal processes. Topics include probability, entropy, the canonical ensemble, blackbody radiation, and quantum statistics including Bose-Einstein and Fermi-Dirac statistics.

PHY 460 Classical Mechanics. (4) A.

Prerequisite: PHY 310 with a grade of "C" or better or departmental approval. Prerequisite/Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include rectilinear motion in 1-D, motion in 3-D, non-inertial frames, central forces, many-bodied systems, rigid bodies, Lagrangian mechanics, and other topics related to classical mechanics.

PHY 470 Quantum Mechanics. (3) A.

Prerequisite: PHY 310 and PHY 460 or departmental approval. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems, interpretation of solutions and application to atomic and molecular problems.

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.

PLS—Police Studies

Dr. Dawn Rothe, Chair

PLS 103 Police, Order Maintenance and

Crime. (3) A. Overview of the role of police. The historical development of policing, police functions and bureaucratic organization are examined. Police misconduct, discretion and effectiveness receive special attention.

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. Prerequisite: sophomore standing. 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. Prerequisite: sophomore standing. 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 326 Ethical Decisions and Police. (3)

A. Prerequisite: Junior or Senior standing. Examines the problems of ethical philosophies, theories and law in the context of policing. Consideration is given to problems of police judgment arising from unquestioned assumptions about morality. Focuses on forms of ethical violation at the individual, group and organization levels as well as strategies for prevention and control.

PLS 330 Topics in Police Studies. (1-6)

A. Prerequisite: sophomore standing. 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. (5-8) A. Prerequisites: departmental approval, sophomore standing. 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-N Cooperative Study: Police

Administration. (5-8) A. Prerequisites: departmental approval, sophomore standing. 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. Prerequisite: Junior or Senior standing. A study of domestic, foreign, transnational and state terrorism. This course examines issues related to defining, preventing and combating terrorism. Various social and historical forces and events will be considered in order to contextualize specific key individuals, organizations and actions.

PLS 380 Police in the Popular Media. (3)

A. Prerequisite: sophomore standing. A study of the public's perception of police through popular media (music, radio, television, films, short stories and books) and how those media sources might influence policing itself.

PLS 385 Police Related Violence. (3)

A. Prerequisite: sophomore standing. A descriptive, theoretical and philosophical approach to violence used by the police and violence directed toward them. Psychological and sub-cultural impacts will be examined. Additional analysis associated with lethal and non-lethal violence policy and strategies are included.

PLS 401 Multi-Culturalism and Policing. (3)

A. Prerequisite: Junior or Senior standing. Examines the policing of marginalized populations and investigates the realities of these persons within policing. Specific populations can include racial and ethnic minorities, age, women, sexual minorities, persons with physical and mental disabilities, immigrant populations, veterans, and others.

PLS 403 Homicide. (3) A. Prerequisite:

sophomore standing. 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 Policing and Technology. (3) A.

Prerequisite: Junior or Senior standing. Examines the current realities of cyber crime and the official police response. Consideration will be given to legal issues, civil liberties, police deviance and the sociopolitical impacts of technology.

PLS 410 The Police and Community. (3)

A. Prerequisite: Junior or Senior standing. Examines relationships between the police and community that address crime and quality of life problems. Community is examined as a geographical space made of multiple and diverse publics sometimes requiring different strategies and attention. A distinction is drawn between public relations and police community partnerships.

PLS 414 Social Forces and Policing Society

(3) A. Prerequisites: CRJ 101 and PLS 103. Sophomore standing or higher. Examines the history and evolution of policing in the United States with an emphasis on the political, social, cultural, legal and organizational forces that have molded that history. The roles and functions of police in America are examined in detail within the context of race, class and gender.

PLS 415 Contemporary Police Strategies.

(3) A. Prerequisites: CRJ 101 and PLS 103 with a

grade of "C" or better; 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, sophomore standing, 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 420 Surveillance & Society. (3) A.

Prerequisite: Junior or Senior standing. Examines the nexus of surveillance, policing, and society. The course explores the role of states, corporations and individuals in monitoring and policing of bodies, populations, property and information. Consideration is given to historical and contemporary dynamics of surveillance: socio-technical assemblages, risk and security discourses, institutional blurring, inequalities and civil liberties.

POL—Political Science

Dr. Lynnette Noblitt, Chair

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. Credit will not be awarded for both POL 100 and 100S. Gen. Ed. E-5B [SB].

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. Credit will not be awarded for both POL 101 and POL 101S. Gen. Ed. E-5A, E-5B [SB].

POL 101S Introduction to American

Government: Service Learning. (3) A. Principles, functions, and basic political institutions of the American system of government at the national level enhanced with a service-learning component. Credit will not be awarded for both POL 101 and 101S.

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.

POL 212 Introduction to Comparative

Politics. (3) I, II. Purpose, concepts, and methods used in the cross-national study of politics and government with a focus on selected countries. Gen. Ed. E-5A or E-5B [SB].

POL 220 Introduction to World Politics. (3)

I, II. The study of the political interactions of countries and organizations relating to politics, economics, the environment, technology, culture and society on a global level. Gen. Ed. E-5B [SB].

POL 250 Introduction to Political Philosophy.

(3) I, II. Examination of Western political theory from the ancient Greeks to the contemporary era with a focus on selected philosophers. Gen. Ed. E-3B and E-5B [AH] [SB].

POL 280 Research and Writing in Political

Science. (3) A. Prerequisite: majors, minors, or departmental approval. Practical application of techniques and methods used in collection, analysis, and written presentation of political data. No more than 6 hours of POL courses numbered 300 or above may be taken prior to completing POL 280.

POL 301 Citizens' Assembly (CACTUS):

_____. (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102. Citizens' Assembly for Critical Thinking about the United States (CACTUS), an exercise in deliberative democracy. Students study, hold hearings, deliberate, discuss alternatives, and make a decision on a topic of significance in American politics. Gen. Ed. E-5B [SB].

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 314 Politics of South Asia. (3) A.

Prerequisite: ENG 102, ENG 105(B), or HON 102. Studies and analyzes the political situations of South Asia. Course focuses on the politics of Afghanistan, Pakistan, and India; however, instructor may focus on additional countries or regions as well.

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 318 Politics of the Middle East. (3)

A. Prerequisite: ENG 102, ENG 105(B), or HON 102. Studies and analyzes the politics of the countries of the Middle East and North Africa, with a focus on historical legacies, contemporary challenges to political and economic development, and international affairs.

POL 319 Canadian Politics. (3) A.

Prerequisite: ENG 102 or ENG 105 (B) or HON 102. Canada's political system, including British, American, and French, First Nations and recent immigrant influences; governmental institutions, federalism, political parties and electoral systems; ethnic and linguistic politics; Canadian-U.S. relations. Gen. Ed. E-6.

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 Global Security. (3) I. Prerequisite:

ENG 102, ENG 105(B), or HON 102. Analysis of major problems of global and human security, the role of military with emphasis on military-security policies of global import.

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.

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 Political Parties and Interest

Groups. (3) A. Prerequisite: ENG 102, ENG 105(B), or HON 102. An overview of the informal institutions of American government: functions, organization, financing of political parties, interest groups, and their relationship to democracy.

POL 341 The U.S. Congress. (3) A.

Prerequisite: ENG 102, ENG 105(B), or HON 102. A systematic examination of the decision-making process in Congress.

POL 342 The American Presidency. (3) A.

Prerequisite: ENG 101, ENG 105(B), or HON 102. An examination of the power and functions of the offices of the President. Recent developments affecting the American President will be emphasized.

POL 343 Campaigns and Elections. (3) A.

Prerequisite: ENG 101, ENG 105(B), or HON 102. An examination of U.S. campaigns and elections including topics in campaign organization and planning, voting behavior, campaign finance, and election laws for presidential, congressional, and state/local campaigns.

POL 345 Minority Group Politics. (3) A. Cross-listed as AFA 345. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics. Credit will not be awarded for both POL 345 and AFA 345.

POL 346 Religion and Politics in the World. (3) A. Prerequisite: ENG 102, 105(B), or HON 102. Examines the relationship between religion and politics in the world from such different perspectives as public opinion, voting behavior, institutional structures, political economy, and/or policy-making.

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. (5-8) 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-N Cooperative Study: Political Science. (5-8) 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 356 African American Political Thought. (3) A. Cross-listed as AFA 356. Prerequisite: ENG 102, 105(B), or HON 102. Examination of political ideas espoused by African American activist from the nineteenth century to the present. Credit will not be awarded to students who have credit for AFA 356. Gen. Ed. E-6.

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 373 Politics of Development in Appalachia. (3) A. Cross-listed as APP 373. Prerequisite: ENG 102, ENG 105 (B), or HON 102. 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. Credit will not be awarded to students who have credit for APP 373. Gen. Ed. E-6.

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 Human Resources. (3) A. Policies, and practices for human resources management in public services. Civil Service systems and reforms, diversity and affirmative action, managing, compensating, and motivating employees.

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 400W Capstone Course in Political

Science. (3) I, II. Prerequisites: POL 101, 212, 220, 250, and 280; ENG 102, ENG 105(B), or HON 102. Culminating, integrative course for political science majors. Requires advanced analysis integrating subfields of the discipline. Students will complete a major paper assignment, writing in stages with instructor feedback and revisions.

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 412 Politics of Mexico. (3) A. Prerequisite: ENG 102, ENG 105(B), or HON 102. Study of the politics of Mexico, with a focus on historical legacies, contemporary challenges to political and economic development, and key issues in U.S.-Mexico relations.

POL 415 Terrorism and Political Violence. (3) A. Examines terrorism and political violence as causes and consequences of cultural, social and political change.

POL 440 Public Opinion & Voting Behavior. (3) A. Prerequisite: ENG 102, ENG 105(B) or HON 102. 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. Cross-listed as WGS 446. 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. Credit will not be awarded for both POL 446 and WGS 446.

POL 451 Principles and Politics of Human Rights. (3) A. Cross-listed as WGS 451. Examines politics of human rights in theory and in practice. Credit will not be awarded for both POL 451 and WGS 451.

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. Cross-listed as GSD 466A. 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.

POL 466B Mock Trial (2) II. Prerequisite: POL 466A and departmental approval. Cross-listed as GSD 466B. 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.

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 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 an institutional 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 498 Kentucky Legislative Internship Program. (0) A. Prerequisites: junior or senior standing with an institutional 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 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 551 Classical 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, PHI 551W, or POL 551W.

POL 552W Modern Political Theory (3) A. Cross-listed as PHI 552W. Prerequisites: ENG 102 or ENG 105 (B) or HON 102. 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, PHI 552W, or POL 552.

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.

PSY—Psychology
Dr. Robert Brubaker, Chair

PSY 200 Introduction to Psychology. (3) I, II. Prerequisite: completion of developmental reading requirement. 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. Credit will not be awarded for both PSY 200 and 200W. Gen. Ed. E-5B [SB].

PSY 200W Introduction to Psychology: Writing Intensive. (3) I, II. Prerequisites: ENG 102 or 105 (B) or HON 102, and completion of developmental reading requirement. A writing intensive 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. Credit will not be awarded for both PSY 200 and 200W. Gen. Ed. E-5B [SB].

PSY 250 Information Literacy in PSY.

(3) A. Prerequisite: PSY 200 or 200W. Completion of developmental reading and writing requirements. Information literacy, reading, evaluating, summarizing scientific literature in Psychology; scientific writing (APA format); basic research terminology. Credit will not be awarded for both PSY 250 and 250W.

PSY 250W Information Literacy in PSY (3)

A. Prerequisites: PSY 200 or 200W and completion of developmental reading requirements; ENG 102 or ENG 105(B) or HON 102. Information literacy, reading, evaluating, summarizing scientific literature in Psychology; scientific writing (APA format); basic research terminology. Credit will not be awarded for both PSY 250W and PSY 250.

PSY 258 Career Development in

Psychology. (3) A. Pre or Corequisite: PSY 250 or PSY 250W. Will acquaint psychology majors with career opportunities, and help students recognize and build the skills needed for their desired career field. Credit will not be awarded for both PSY 258 and PSY 358.

PSY 280 Lifespan Developmental Psych.

(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. Credit will not be awarded for both PSY 280 and 280W. Gen. Ed. E-5B [SB].

PSY 280W Life Span Developmental

Psychology: Writing Intensive. (3) I, II. Prerequisites: PSY 200; ENG 102 or ENG 105 (B) or HON 102. A writing-intensive survey of theory and research in developmental psychology across the entire life span. May not be applied to the Psychology major. Credit will not be awarded for both PSY 280 and 280W. Gen. Ed. E-5B [SB].

PSY 300 Social Psychology. 3 (A).

Prerequisites: PSY 250 and ENG 102 or ENG 105 (B) or HON 102. A study of the power of situations and the social environment to affect human behavior. Topics include: attitudes, persuasion, prejudice, discrimination, group behavior, interpersonal attraction, aggression and prosocial behavior. Credit will not be awarded for both PSY 300 and PSY 300W.

PSY 300W Social Psychology. 3 (A).

Prerequisites: PSY 250 and ENG 102 or ENG 105 (B) or HON 102. Writing intensive study of the power of situations and the social environment to affect human behavior. Topics include: attitudes, persuasion, prejudice, discrimination, group behavior, interpersonal attraction, aggression and prosocial behavior. Credit will not be awarded for both PSY 300W and PSY 300.

PSY 305 Psychology of Personality. (3) A.

Prerequisites: PSY 200 and ENG 102 or ENG 105 (B) or HON 102 and CMS 100 or CMS 210. Basic approaches to the study of personality. Theories and research about how personality affects behavior and life outcomes.

PSY 308 Abnormal Psychology. (3) A.

Prerequisites: PSY 200 and ENG 102 or ENG 105 (B) or HON 102. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions.

PSY 309 Statistics-Research Methods I. (4)

I, II. Prerequisites: MAT 105(C) or MAT 106(C) or any MAT course above 106; and PSY 250 or 250W, and ENG 102 or ENG 105(B) or HON 102. Introduction to the various research methods and descriptive statistics used in Psychology. Credit will not be awarded for both PSY 309 and 309W.

PSY 309W Statistics-Research Methods I.

(4) A. Prerequisites: MAT 105(C) or MAT 106(C) or any MAT course above 106; and PSY 250 or 250W; and ENG 102 or ENG 105(B) or HON 102. Writing-intensive introduction to the various research methods and descriptive statistics used in Psychology. The course includes a lab experience. Credit will not be awarded for both PSY 309 and PSY 309W

PSY 310 Statistics-Research Methods II. (3)

A. Prerequisite: PSY 309(C). Introduction to inferential statistics and continuation of PSY 309 with an emphasis on experimental research methods in Psychology.

PSY 311 Physiological Psychology. (3) A.

Prerequisites: PSY 250 and ENG 102 or ENG 105(B) or HON 102. 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. Prerequisites: PSY 200, and ENG 102 or ENG 105(B) or HON 102. 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 314 Adolescent and Adult

Development. (3) A. Prerequisites: PSY 200, and ENG 102 or ENG 105(B) or HON 102. Survey of biological, psychological, social, cognitive, and historical influences on adolescent and adult development.

PSY 315 Sensation and Perception. (3) A.

Prerequisites: PSY 250, and ENG 102 or ENG 105(B) or HON 102. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. Credit will not be awarded for both PSY 315 and PSY 315L.

PSY 315L Sensation and Perception with

Lab. (4) A. Prerequisites: PSY 250, and ENG 102 or ENG 105(B) or HON 102. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world.

3 Lec/2 Lab. Credit will not be awarded for both PSY 315 and 315L.

PSY 316 Aging and Senescence. (3) A.

Prerequisites: PSY 200, and ENG 102 or ENG 105(B) or HON 102. Theory and facts about aging changes in sensory processes, intellect, memory, personality, family and psychopathology.

PSY 317 Cognitive Psychology. (3) A.

Prerequisite or Corequisite: PSY 309. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills. Credit will not be awarded for both PSY 317 and 317L.

PSY 317L Cognitive Psychology with Lab. (4)

A. Prerequisite or Corequisite: PSY 309. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills. 3 Lec/2 Lab. Credit will not be awarded for both PSY 317 and 317L.

PSY 318 Introduction to School Psychology.

(3) A. Prerequisites: PSY 250; ENG 102, ENG 105(B), or HON 102; CMS 100, 210; or EES 250. Introduction to the field of School Psychology. Topics include developmental disabilities, mental health diagnoses, assessment, consultation, direct intervention, history of school psychology, and professional considerations.

PSY 319 Psychology of Work (3) A.

Prerequisites: PSY 250, and ENG 102 or ENG 105 (B) or HON 102, and CMS 100 or CMS 210. Application of psychological theories and procedures to the world of work. Topics include personnel policies and administration, performance management, organizational theory, behavior and development, occupational health, and leadership. Credit will not be awarded for both PSY 319 and 319S.

PSY 319S Psychology of Work (3) A.

Prerequisites: PSY 250, and ENG 102 or ENG 105(B) or HON 102, and CMS 100 or CMS 210. Application of psychological theories and procedures to the world of work. Topics include personnel policies and administration, performance management, organizational theory, behavior and development, occupational health, and leadership. Service learning is included in course. Credit will not be awarded for both PSY 319 and 319S.

PSY 320 Health Psychology. (3) I, II.

Formerly PSY 410. Prerequisites: PSY 250, and ENG 102 or ENG 105 (B) or HON 102. 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. Credit will not be awarded for both PSY 320 and PSY 410.

PSY 321 Psychological Perspectives of

Parenting and Child Care. (3) A. Prerequisites: PSY 200 and PSY 312. A survey of major psychological theories related to parenting and child care. Topics include attachment, development, behavior, temperament, and parenting styles.

PSY 322 Cognitive Development (3)

A. Formerly PSY 530. Prerequisite: PSY 250, or departmental approval. Overview of how individuals become intelligent through the acquisition of knowledge, learning to reason, think, and engage in abstract thought. Credit will not be awarded to students who have credit for PSY 530.

PSY 330 ABA Assessment and

Measurement. (3) A. Prerequisites: PSY 250; ENG 102, 105 (B), or HON 102; and CMS 100 or 210. An introduction to assessment and measurement in behavior analysis.

PSY 333 Comparative Psychology. (3)

A. Prerequisites: PSY 250, and ENG 102 or ENG 105 (B) or HON 102. A survey of theory and research in the psychology of animals. Topics include history of scientific studies, learning, memory, representation, intelligence, knowledge, innovation, culture, communication, development, emotion, social skill, consciousness, and theory of mind.

PSY 337 Introduction to Psychiatric

Rehabilitation. (3) A. Prerequisite: PSY 308. Introduces students to the background and supporting research behind psychiatric rehabilitation, as well as the field's underlying values and principles.

PSY 349 Applied Learning in Psychology.

(.5-8) A. Prerequisites: PSY 258 and departmental approval. Work in placements related to academic studies. A minimum of 80 hours employment required for each semester hour credit. Three hours may be applied toward the major, not applicable toward a minor. Course may be repeated for up to 16 credits total. Graded Satisfactory/Unsatisfactory.

PSY 349 A-N Cooperative Study: Psychology.

(.5-8) A. Prerequisites: PSY 250 and departmental approval. Work in placements related to academic studies. A minimum of 80 hours employment required for each semester hour credit. Three hours may be applied toward the major, not applicable toward a minor. Graded Satisfactory-Unsatisfactory.

PSY 350 Animal Enrichment. (3) A.

Cross-listed as ANS 350. Prerequisite: ANS 200 or PSY 200. Covers the concept and practice of animal enrichment. Students will learn about the theoretical and applied aspects of enrichment and will acquire experience designing and implementing enrichment. Credit will not be awarded to students who have credit for ANS 350.

PSY 377 Psychology of Adoption (3)

A. Prerequisites: PSY 308; PSY 312, 280, or 280W. A survey of developmental, familial, cultural, and psychological factors in the adoption experience.

PSY 392 Environmental Psychology. (3)

I, II. Formerly PSY 404. Prerequisites: PSY 200, and ENG 102 or ENG 105 (B) or HON 102. Study of ways in which people influence the environment and are influenced by it. Issues include discussion of both the natural and built environment. Credit will not be awarded for both PSY 404 and PSY 392.

PSY 397 Topics in Psychology: _____.

(3) A. Prerequisites: PSY 250, and ENG 102 or ENG 105 (B) or HON 102, Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken for a maximum of 12 credits, provided the subject matter differs each time.

PSY 399 Research Development Skills. (3) I,

II. Prerequisites: ENG 102, ENG 105(B), or HON 102; PSY 309(B) or 309W(B), and departmental approval. Prerequisite or Corequisite: PSY 310(C). Advanced development of research skills including generating hypotheses and designing the appropriate methodology to test them. Students will also write a faculty-supervised research proposal, with the purpose of completing the

research project in PSY 419.

PSY 400 Senior Seminar: _____. (3) A. Prerequisite or corequisite: PSY 310, or departmental approval. The senior seminar examines contemporary psychological issues from each of the five sub-disciplines of Psychology. Issues vary from semester to semester. May be retaken once, provided the subject matter differs each time.

PSY 402 Independent Work 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 403 Practicum in Psychology. (1-3) A. Prerequisite: student must have the field experience proposal form approved by faculty supervisor and department chair prior to enrollment. Supervised field experience. May be retaken to a maximum of six hours.

PSY 405 Intro to Interviewing/Therapy. (3) A. Prerequisites: PSY 250 and 308. Introduction to the basic concepts and skills of interviewing and therapeutic communication in the mental health field.

PSY 406 Intro to Behavior Therapy. (3) A. Prerequisites: PSY 250, and PSY 308, and ENG 102 or ENG 105 (B) or HON 102. 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 408 Child Psychopathology. (3) A. Prerequisites: PSY 250, and PSY 308, and PSY 280 or PSY 312, and ENG 102 or ENG 105(B) or HON 102. 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 409 Experiential Learning in Psychology (0) I, II. Prerequisite: departmental approval. Supervised field experience in Psychology. Only full-time students may enroll.

PSY 412 The Psychology of Art. (3) A. Prerequisites: PSY 250, and PSY 305, and PSY 308, and ENG 102 or ENG 105 (B) or HON 102, or departmental approval. Exploration of the ways in which selected psychological principles contribute to our understanding of art and the artist.

PSY 413 Mind and Brain. (3) A. Prerequisites: PSY 250, and PSY 311(C) or 313(C) or 315(C) or 317(C) or 530(C). A bridging discipline between cognitive science and biopsychology that examines the neural bases of mental processes and complex behavior. Major topics include functional brain imaging, neural networks, perception, memory, language, and consciousness.

PSY 414 Political Psychology (3) A. Prerequisites: PSY 250, and PSY 300, and ENG 102 or ENG 105(B) or HON 102, and CMS 100 or CMS 210, or departmental approval. Seminar covers research that applies psychological methods and theory to politics. Areas covered include personality and politics, and the psychological perspectives of media bias, ideology, conflict, prejudice, and terrorism.

PSY 415 Multicultural Psychology. (3) A. Prerequisites: PSY 250, and PSY 300, and ENG 102 or ENG 105 (B) or HON 102, or departmental approval. Examines the value-laden nuances of mainstream psychology and its early history of promoting discrimination toward diverse groups in American society, while introducing the multicultural approach for combating the resulting "isms" (e.g. racism, genderism).

PSY 419 Research Development Skills II. (3) I, II. Prerequisites: PSY 399 and Research Proposal Approved by ECU IRB. Advanced development of data gathering, data analysis, and research presentation skills. Students will execute research developed in PSY 399, learn alternative data management and analyses techniques, prepare oral and written presentations of research. Credit will not be awarded to students who

have credit for PSY 401 or 401W.

PSY 420 Psychology of Women and Gender. (3) A. Prerequisites: PSY 250, and PSY 300, and ENG 102 or ENG 105 (B) or HON 102, or departmental approval. Introduction to current and historical theories and research into the psychology of women, including gender differences and similarities.

PSY 429 Psychological Perspectives on Substance Abuse. (3) A. Prerequisite: PSY 308. Topics include an overview of current and historical models of addiction and a comparison of assessment and treatment techniques. Evidence-based practice is emphasized.

PSY 430 ABA Ethics and Intervention. (3) A. Prerequisites: PSY 330 and departmental approval. An introduction to ethical principles of behavior analysts and behavior change systems.

PSY 437 Psychiatric Rehabilitation Competencies. (3) A. Prerequisite: PSY 337. Builds on Introduction to Psychiatric Rehabilitation by focusing on key components of the Psychiatric Rehabilitation process. Emphasis will be placed on the development of practitioner skills and techniques.

PSY 458 Grad School Prep. (3) A. Prerequisite: junior or senior standing in Psychology; or departmental approval. Hands-on workshop for students intending to pursue graduate education in the near future.

PSY 476 Psychology of Trauma. (3) A. Prerequisites: ENG 101, 102(B), or HON 102; PSY 250, 308, or departmental approval. Topics include trauma and trauma-related assessment and interventions from diverse clinical perspectives. Emphasis will be on the applications of theoretical viewpoints to a variety of posttraumatic situations with a transtheoretical approach to clinical scholarship on trauma.

PSY 477 Psychology of Intellectual and Developmental Disabilities. (3) A. Prerequisites: PSY 250 or 250W, PSY 308, PSY 408, and PSY 280 or 312; or departmental approval. Survey of developmental disabilities, including causes, impacts on the individuals and their families, and intervention approaches, as well as broader topics such as education, service delivery approaches, and ethics.

PSY 490 Clinical Psychology. (3) A. Prerequisites: PSY 250, and PSY 308, and ENG 102 or ENG 105 (B) or HON 102. Survey of clinical theories, methods, and approaches.

PSY 497 Advanced Topics in Psychology: _____. (3) A. Prerequisites: PSY 250; ENG 102, ENG 105(B), or HON 102; or departmental approval. Additional prerequisites will be determined by the specific topic. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken for a maximum of 12 hours provided the subject matter differs each time.

PSY 499 Senior Exit Course in Psychology (0), I, II, P Prerequisites: Senior standing and major in psychology. Students will complete the Senior Exit Survey and the Senior Knowledge Exam in this course.

PSY 501 Applied Behavior Analysis. (3) A. Prerequisite: PSY 309, 309W, or departmental approval. This course introduces students to principles and practices of applied behavior analysis.

PSY 502 Behavioral Applications I (3) A. Prerequisite: PSY 501. This course builds on principles of behavior analysis in creating behavior change across a range of populations, behaviors, and settings. The focus is on fundamental elements of behavior change.

PSY 510 Publishing Empirical Research. (3) A. Prerequisites: PSY 310 or equivalent, and department approval. Students must submit proposals to instructor prior to enrollment. This course will focus on analyzing, writing and submitting results of a psychological study or experiment to an undergraduate or professional journal.

PSY 566 Forensic Psychology (3) A. Formerly PSY 466. Prerequisites: PSY 250, 308, and 6 additional hours in PSY. Review the roles of clinical psychologists in the legal system, focusing on principles of forensic mental health assessment, procedures of civil and criminal forensic psychological assessment, expert testimony, and forensic report writing. Credit will not be awarded to students who have credit for PSY 466.

PSY 577 The Autism Spectrum. (3) A.

Prerequisites: PSY 280 or PSY 312, and PSY 308, and PSY 309, or departmental approval. Introduction to assessment, diagnosis, and intervention in autism spectrum disorders across the life span. Development of skills in applied assessment and intervention.

PSY 579 History and Systems of Psychology. (3) A. Prerequisites: PSY 311 or PSY 315; PSY 317, PSY 322 or PSY 530 or PSY 333; PSY 312 or PSY 314 or PSY 316; PSY 300 or PSY 305 or PSY 308 or departmental approval; CMS 100 or CMS 210. Prerequisite or corequisite: PSY 310 or departmental approval. A survey of the history of psychology and its various schools of thought and approaches to the study of behavior and mental processes.

PSY 590 Tests and Measurements. (3) A. Prerequisites: PSY 309 or departmental approval. 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 250, and ENG 102 or ENG 105(B) or HON 102, and departmental approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken up to 12 hours.

PUB—Public Relations
Dr. Deborah T. Givens, Chair

PUB 320 Design for Mass Media (3) I, II. Introductory design course for non-designers presenting concepts, principles, terminology, tools, and techniques in computer-based design and production within public relations. Emphasis on media channels/audiences. Credit will not be awarded to students who have received credit for JOU 320.

PUB 349 Applied Learning in Public Relations. (5-8) 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. One hour may be used to satisfy major requirements within the department.

PUB 349 A-N Cooperative Study: Public Relations. (5-8) 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. One hour may be used to 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 380 Public Relations Writing. (3) I, II. Prerequisites: BEM 203 or 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 385 PR Event Planning & Management. (3) A. Prerequisite: PUB 375 with a grade of "C" or higher. 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. Credit will not be awarded for both PUB 385 and PUB 385S.

PUB 385S PR Event Planning &

Management. (3) A. Prerequisite: PUB 375 with a grade of "C" or higher. Using a service-learning-based approach, students receive hands-on experience planning and managing an event supporting public relations goals specified by an actual client. Includes specific planning, execution and evaluation procedures. Credit will not be awarded for both PUB 385 and PUB 385S.

PUB 400 Studies in Public Relations (1-3)

A. Prerequisite: departmental approval. Study of specific areas of Public Relations through a course examining timely or current concerns in the field. Specific topic included in schedule. May be retaken to maximum of nine hours.

PUB 410 Social Media and Public Relations.

(3) I, II. Introduction to social media forms and design. Emphasis on social media as a public relations tool in terms of institutional, social, and technological impact. Includes working with community partner(s) to create an online presence.

PUB 412 Web Marketing and Development.

(3) I, II. Prerequisite: PUB 320, BEM 320 or JOU 320 with a grade of "C" or higher. An introduction to the communication theory, strategies, tools and techniques of Internet marketing and effective Web development. Emphasis on interactivity theory, interactive applications and functionality, graphics, and use of HTML and CSS. Credit will not be awarded to students who have credit for BEM 412 or JOU 412.

PUB 415S Public Relations in the Performing

Arts. (3) I, II. Using a service-learning approach, students apply principles, traditional and contemporary tools, best practices, case studies, strategic planning and execution, and public relations management strategies toward a career in the performing arts or non-profit organizational management.

PUB 425 Crisis & Risk Communication

(3) Prerequisite: PUB 375. Communicating the correct messages through proper methods and channels before, during, and after a crisis. Exploration of social media in crises. Identification and management of appropriate publics for crisis communication. Emphasis of avoiding miscommunication during crises, emphasis on follow-up after crises. Credit will not be awarded to students who have credit for PUB 400 Special Topics: Crisis Management.

PUB 470 Public Relations Internship. (1-3)

I, II. Prerequisites: BEM 203 or COM 201, PUB 375, PUB 380, 2.25 GPA for major and supporting courses. Supervised practical experience in a public relations operation. May be taken to a maximum of three hours.

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 480 Integrated Communications

Strategies. (3) A. Prerequisite: PUB 375 with a grade of "C" or higher. Prerequisite or Corequisite: PUB 475. Examination of the interactions within an organization's overall communication efforts, including public relations, industrial and graphic design, organizational communication, and other related initiatives.

PUB 490 Public Relations Campaigns. (3) A.

Prerequisites: JOU 320 or PUB 320 with a grade of "C" or higher, PUB 475 with a grade of "C" or higher, and COM 420 with a grade of "C" or higher. Application of research, planning, strategies, and evaluations to a public relations campaign. Includes budgeting and scheduling of campaigns. Credit will not be awarded for both PUB 490 and PUB 490S.

PUB 490S Public Relations Campaigns. (3)

A. Prerequisite: JOU 320 or PUB 320 with a grade of "C" or higher, PUB 475 with a grade of "C" or higher, and COM 420 with a grade of "C" or higher. Using a service-learning-based approach, students research, plan and prepare an integrated public relations campaign for a specified local business or organization client. Credit will not be awarded for both PUB 490 and PUB 490S.

PUB 491 Senior Seminar in Public

Relations. (1) I, II. Prerequisites: completion of 90 hours with at least 1 hour from COM 349, or PUB 349 or 470. Evaluates students' progress toward a career in public relations, especially the development of a portfolio, and develops job search strategies and skills. Includes assessment of instruction and curriculum. Credit will not be awarded for both PUB 491 and COM 491.

PUB 499 Independent Study in Public

Relations. (1-3) A. Prerequisite: Student must consult with the faculty supervisor and have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

PUB 520 Integrated Public Relations

Strategies. (3) A. Examines integrated public relations skills used to achieve organizational objectives. Emphasizes strategic planning including forecasting and communicating future business plans. Includes an in-depth look at relevant communication theories explaining common public relations problems and strategies.

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. Oliver Feltus, Chair

QMB 200 Business Statistical I. (3) I, II.

Prerequisite: MAT 112 (or MAT 211) with a grade of "C" or better. Business applications of probability, measures of central tendency, dispersion, sampling, correlation and hypothesis testing.

QMB 240 Managerial Decision Models (3)

I, II. Prerequisite: MAT 112 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.

REC—Recreation and Park Administration

Dr. Jon McChesney, Chair

REC 101 Recreation and Tourism 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 110 SCUBA Confined Water. (1) I.

Relationships of scuba diving to adventure tourism, introduction to scuba diving equipment and techniques in confined water settings. This course is prerequisite to REC 111 Scuba Diving - Open Water.

REC 111 SCUBA Open Water. (1) II.

Prerequisite: REC 110. Relationships of scuba diving to adventure tourism, introduction to SCUBA diving equipment and techniques in open water settings. This course will be conducted over a 2.5 day period at an off-campus dive site.

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 180 Outdoor Adventure Activities. (1)

I. Outdoor adventure course where students will gain skills in hiking, rock climbing, kayaking, caving, rafting, sailing, mountain biking, horseback riding, backpacking, snorkeling, and snow skiing. Students will attend skill-based workshops.

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 210 Equine Assisted Therapeutic

Recreation. (3) I. Prerequisite: OTS 205 or departmental approval. Introduction to Equine Assisted Activities and Therapies (EAAT). The history and application of EAAT and the general emotional, physical and medical benefits of EAAT for individuals with diverse needs. This course provides hands on activities with a local program.

REC 225 Recreation Hobbies. (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 250 Tourism Videography. (3) II.

An examination in tourism and recreation video production, with emphasis in field production. The course combines theory, history and practice. Hands-on demonstrations, screenings, readings, lectures and discussion prepare students to develop skills in outdoor video production.

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. Application of adventure programming delivered experientially through problem solving activities, program design and technical skill development. Planning and implementation, facilitation strategies, safety procedures, equipment management, personnel administration, and program design are addressed.

REC 300 Civic Engagement Experiences.

(1-3) I, II. Prerequisite: Sophomore, Junior, or Senior standing. Students will engage in structured civic engagement activities by completing community projects. Students will work as a group toward enhancing the local environment or community. This course blends an ongoing academic focus with experiential learning and service experiences. May be retaken to a maximum of six credit hours.

REC 311 Introduction to Therapeutic

Recreation. (3) I, II. An introductory course focusing on individuals with a variety of disabilities, legislation, barriers, accessibility, basic terminology, and awareness of special recreation, therapeutic recreation, sports, and the needs of individuals with disabilities.

REC 325 Camp Supervision. (3) II.

Supervision of camp programs, auxiliary services, and personnel.

REC 349 Applied Learning in Recreation

and Park Administration. (.5-8) 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-N Cooperative Study:

Recreation and Park Administration. (.5-8) 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 411S Therapeutic Recreation Services for the Senior Adult. (3) I. Explores successful aging and the benefits of therapeutic recreation for seniors. The course includes a service learning project with a community partner determining the recreation needs of seniors, preventative lifestyle changes and opportunities for meaningful activities. Credit will not be awarded for both REC 411S and REC 411.

REC 450W Senior Seminar. (3) I, II. Prerequisites: for majors only; enroll the semester immediately preceding REC 463 or REC 473. Introduction to the senior internship 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 Internship. (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 473 Therapeutic Recreation Internship. (12) I, II. Prerequisite: All REC Core and TR Option Courses with a 2.0 GPA. Placement in a therapeutic recreation agency to lead and develop therapeutic recreation programs, supervise clients, facilities, and perform administrative duties. A minimum of 560 clock hours typically covering 14 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 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 512S 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. Includes 15 service-learning hours.

REC 516 Recreation and Park Interpretive Services. (3) I. The interpretation of natural, historical and cultural resources in recreation and park settings. Frequent agency visits and educational field seminars are components of this course.

REC 520 Trends and Issues in Therapeutic Recreation. (3) A. Pre-requisite: REC 311. A professional issues and trends discussion on topics related to therapeutic recreation such as clinical practice, licensure, legislative and regulatory issues, curricular standardization, professional ethics and other relevant professional topics.

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. Michael Austin, 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. Credit will not be awarded for both REL 301 and 301W. Gen. Ed. E-3B [AH].

REL 301W World Religions: Writing Intensive. (3) I, II. Prerequisite: ENG 102 or 105 (B) or HON 102 (B). A writing intensive 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. Credit will not be awarded for both REL 301 and 301W. Gen. Ed. E-3B [AH].

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 320 Judaism. (3) A. Prerequisite: ENG 102 or ENG 105(B) or HON 102. This course introduces students to the main beliefs and practices of Judaism. Students will read a broad selection of primary sources ranging from the Hebrew Bible to contemporary Jewish thought in the United States. Gen. Ed. E-6 [GE].

REL 335 Islam. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers. Gen. Ed. E-6 [GE].

REL 340 Religions of India. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought. Gen. Ed. E-6 [GE].

REL 345 Religions of China and Japan. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. Study of the major religions of China and Japan, including original Han, Confucianism, Cho Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism. Gen. Ed. E-6 [GE].

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-N 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 350 Buddhism. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. A critical introduction to the main beliefs and practices of Buddhism, from its origins in India to its most traditional manifestations in Asia and its latest developments in Europe and North America. Gen. Ed. E-6 [GE].

REL 355 Religions of Africa. (3) A. A study of traditional African religions and other religions in Africa.

REL 360 Religion and Global Ethics. (3) A. An examination of recent proposals for a global ethics (Peter Singer, Hans Kung, Dalai Lama), and on the theory and practice of interreligious dialogue as a possible means to arrive at cross-cultural ethical perspectives.

REL 365 Women, Gender, and Religion. (3) A. Cross-listed as WGS 365. Prerequisite: ENG 102 or 105 (B) or HON 102. A study of the intersections between feminism and the social impact of religion throughout the world with particular emphasis on the relationship between religion and gender, sexuality, and body politics. Credit will not be awarded for both REL 365 and WGS 365.

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.

RMI—Risk Management & Insurance
Dr. Oliver Feltus, Chair

RMI 349 Applied Learning in Insurance. (5-8) A. Formerly INS 349. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work required per credit hour. Six hours may be used as a major elective. May be repeated for a total of 16 credit hours. Credit will not be awarded to students who have credit for INS349.

RMI 370 Principles of Risk and Insurance. (3) I, II. Formerly INS 370. 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. Credit will not be awarded to students who have credit for INS 370

RMI 372 Fundamentals of Property-Liability Insurance. (3) A. Formerly INS 372. Prerequisite: RMI 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. Credit will not be awarded to students who have credit for INS 372.

RMI 374 Fundamentals of Life and Health Insurance. (3) A. Formerly INS 374. Prerequisite: RMI 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. Credit will not be awarded to students who have credit for INS

374.

RMI 376 Excess & Surplus Lines. (3). I, II. Prerequisites: RMI 370 or 372 (with a minimum grade of "C" in either course). The course explains the function of the nonadmitted insurers and the policies they issue in the excess and surplus lines market. The course also covers the function and purpose of reinsurance.

RMI 378 Risk Management. (3) A. Formerly INS 378. Risk Management as used by organizations; basic functions of risk management with emphasis placed on risk management decision making. Credit will not be awarded to students who have credit for INS 378.

RMI 380 Personal Risk Management. (3) A. Formerly INS 380. Prerequisite: RMI 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. Credit will not be awarded to students who have credit for INS 380.

RMI 382 Claim Handling Principles and Practices. (3) A. Prerequisites: 60 hours or departmental approval. Course covers how to apply claims handling principles and claim investigation techniques including: the claim function and professional ethics, handling process, investigation, documentation requirements, negotiation and settlement, and application of the unfair claims practices act.

RMI 400 Seminar in Insurance. (1) 3) A. Formerly INS 400. 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. Credit will not be awarded to students who have credit for INS 400.

RMI 460 Insurance Agency Operations (3) A. Formerly INS 460. This course examines the unique operations of an equally unique small business, the insurance agency. It will apply material used in other courses such as management, marketing, accounting, finance, and insurance. These business administration principles will be distilled into components that may be applied to the operation of an insurance agency. This course will prepare the student for one part of the Accredited Advisor in Insurance (AAI) specialty designation awarded by the Insurance Institute of America. Credit will not be awarded to students who have credit for INS 460.

RMI 462 Business Law for Insurance. (3) A. Prerequisites: RMI 370 and 372 (with a grade of "C" or better in each course). Covers the law of contracts, property, UCC, torts and agency as specifically applicable to the insurance industry.

RMI 472 Insurance, Finance and Accounting. (3) A. Prerequisites: ACC 201 and 202. Teaches the principles of Statutory Accounting and Finance to the student of insurance. Reviews Generally Accepted Accounting Principles (GAAP) and the comparison of Statutory Accounting Principles (SAP). Students will learn to analyze the financial statement of property and liability insurers, to understand their investment strategies, which are regulated, and the financial consequences of mergers and acquisitions. Examines the effect of the insurance underwriting cycle upon the financial decisions of insurers.

RMI 474 Life Insurance and Estate Planning. (3) A. Formerly INS 474. Prerequisite: RMI 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. Credit will not be awarded to students who have credit for INS 474.

RMI 476 Employee Benefit Planning. (3) A. Formerly INS 476. Prerequisite: RMI 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. Credit will not be awarded to students who have credit for INS 476.

RMI 486 Insurance Company Operations.

(3) A. Formerly INS 486. 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. Credit will not be awarded to students who have credit for INS 486.

RMI 490 Independent Study. (1-6) A. Formerly INS 490. 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. Credit will not be awarded to students who have credit for INS 490.

**RST—Real Estate
Dr. Oliver Feltus, Chair**

RST 110 Real Estate Principles I (3) A. Introduction to the elements of real property ownership, law, financing, fee simple estates, and leasehold interests. Course cannot be used as a business elective and hours cannot count toward a business major.

RST 120 Real Estate Principles II (3) A. Prerequisites: RST 110 with a minimum grade of "C". Exploration of real estate as a business and profession with emphasis on brokerage, property management, appraisal, investing, fair housing, license law, and career opportunities. Course cannot be used as a business elective and hours cannot count toward a business major.

SCO—College of Science Student Success Seminar

SCO 100 Student Success Seminar (1) I, II. An introduction to the programs of the University and the College of Science. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 100B Student Success Seminar in Biology (1) I, II. Prerequisite: Biology majors only. An introduction to the programs of the University and College of Science, specifically for Biology majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 100C Student Success Seminar in Chemistry (1) I, II. Prerequisite: Chemistry majors only. An introduction to the programs of the University and College of Science, specifically for Chemistry majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 100I Student Success Seminar in Computer Science (1) I, II. Prerequisite: Computer Science majors only. An introduction to the programs of the University and College of Science, specifically for Computer Science majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 100M Student Success Seminar in Mathematics and Statistics (1) I, II. Prerequisite:

Mathematics and Statistics majors only. An introduction to the programs of the University and College of Science, specifically for Mathematics and Statistics majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 100P Student Success Seminar in Physics (1) I, II. Prerequisite: Physics majors only. An introduction to the programs of the University and College of Science, specifically for Physics majors. 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 and calendar, catalog details, registration, and program requirements. All new students are expected to enroll in a Student Success Seminar their first semester at the University.

SCO 400 MCAT Preparation. (2) I. Prerequisite or Co-requisite CHE 430 or 431, or departmental approval. This course is designed to help students prepare for the MCAT. It is open to students planning on taking the MCAT within one year. Students are expected to drill MCAT sections, bring questions to meetings, and work with their classmates to improve skills. Each section of the MCAT will be reviewed. Students will also work on test taking strategies, critical reading, and critical thinking. 2 lec

SEC—Security Management

SEC 110 Principles of Security Management. (3) A. Examination of how security professionals in private and government organizations identify, prioritize and manage security risks; role of private security in public safety and homeland security; and multiple career options in the security profession.

SEC 250 Personnel Security (3) A. Ensuring employee and contractor integrity through background screening, security awareness and ethics programs, and audits. Review of special programs to protect key personnel, employees in high risk environments, and to mitigate workplace violence.

SEC 260 Security and Loss Prevention (3) A. Protecting retail operations and inventories against loss from internal and external threats and administrative errors. Developing cost effective programs for policy, physical and human controls to prevent loss.

SEC 349 Applied Learning in SEC (.5-9) A. Prerequisites: Departmental approval. The student works under faculty and field supervisors in placements related to the student's academic studies. A minimum of 80 hours work required for each academic credit. May be retaken to a maximum of nine hours.

SEC 349 A-N SEC Cooperative Study (.5-9) A. Prerequisite: Departmental approval. The student works under faculty and field supervisors in placements related to the student's academic studies. A minimum of 80 hours work required for each academic credit. May be retaken to a maximum of nine hours.

**SED—Special Education
Dr. Karen Maloley, Chair**

SED 104 Special Education Introduction. (3) I, II, A. Overview of major categories of exceptionalities and the educational, legal, and social issues in the area of disabilities and special education. Observation/ participation through field experience required. Gen. Ed. E-6 [GE].

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 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 270 Technology/Strategies for MSD. (3) II. Formerly SED 530. The implementation of computer technology and assistive/adaptive devices and strategies for students with multiple and severe disabilities including dual sensory. The use of Milieu language strategies and symbolic/non-symbolic communication in natural environments and daily routines. Credit will not be awarded to students who have credit for SED 530.

SED 305 Behavior Disorders. (3) A. Formerly SED 578. Prerequisite: ENG 102, or HON 102 with a grade of "C" or better, or ENG 105 with a grade of "B" or better. Open to non-majors. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches. Credit will not be awarded to students who have credit for SED 578.

SED 318 Special Education in Early Childhood. (3) I, II. Formerly SED 518. Prerequisites: SED 104; Prerequisite or Corequisite SED 260 or CDS 360; or department 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. Credit will not be awarded to students who have credit for SED 518.

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 350 Introduction to Special Education Assessment. (3) A. Formerly SED 576. Prerequisites: SED 104 or department approval. Principles of tests and measurements. Test administration, scoring, and interpretation applied to exceptional children. Application of assessment data to interdisciplinary teams. Credit will not be awarded to students who have credit for SED 576.

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 356 Methods and Materials for LBD. (3) I, II. Prerequisites: Introductory and assessment courses and admission to professional education or departmental approval. Instructional principles and methodology; development, implementation, and evaluation of validated educational programs and materials for LBD.

SED 375 Practicum in Special Education. (3-6) I,II. Prerequisite: admission to professional education. Corequisite: SED 349T for Early Childhood Special Education majors or SED 349Q for LBD and DHH majors. 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 390 Applied Behavior Analysis (3) I, II. Formerly SED 590. Prerequisite: SED 104 or department approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change. Credit will not be awarded to students who have credit for SED 590.

SED 402 Differentiated Instruction. (2) I, II. Prerequisites: EDF 219, 413, ELE 412, and admission to teacher education. Corequisites: ELE 421, 422, 423, 424, and CED 450. Differentiating instruction for exceptional learners in elementary settings. Collaboration and planning to address diverse learners.

SED 436 Early Intervention Programming. (3) I. Prerequisite: Admission to Professional Education or departmental Approval. Corequisite: CED 450 for IECE teaching majors. Developmental, family-focused intervention methods, for children (Birth-5) at-risk or with disabilities. Curriculum design across physical, communication, cognitive, psychosocial and self-help areas. Planning, implementing, monitoring and evaluating IEP's/IFSP's.

SED 445 IEP Transition and Professional Roles in Special Education. (3) I, II. Formerly SED 545. Prerequisite: admission to professional education or departmental approval. Working with interdisciplinary team, including family, to design and implement IEP including instruction, related services, and transition for employment and community living. Collaboration strategies, and personnel, and records management. Credit will not be awarded to students who have credit for SED 545.

SED 500 Best Practices and Programming in Moderate and Severe Disabilities. (3) II. Introduction to teaching students with MSD. Educational needs, issues, legal mandates, and family concerns. Focuses on best practices for inclusive school and community programs. Open to non-majors.

SED 507 Problems in Special Education: (1-3) A. Prerequisite: advisor/departmental approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

SED 510 Assessment and Methods for Deaf/HH. (3) A. Prerequisites: SED 260 with a grade of C or better; admission to professional education; or departmental approval. Corequisite: CED 400. Standardized and informal assessments used to measure reading and content knowledge of students who are deaf or hard of hearing. Sample curricula and instructional strategies used with students who are deaf or hard of hearing.

SED 511 Family School Partnerships. (3) I. Cross-listed as SED 711. The needs of families related to family-school interactions, the impact of family variability on home-school collaboration, and effective methods of collaborating with families of children with disabilities. Credit will not be awarded to students who have credit for SED 711.

SED 518 Special Education in Early Childhood. (3) I, II. Prerequisites: SED 104, 401 or 575 and SED 260 or CDS 360; 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. Credit will not be awarded for both SED 518 and 518S.

SED 518S Special Education in Early Childhood. (3) I, II. Prerequisites: SED 104, 401 or 575 and SED 260 or CDS 360; 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. Service learning is a component of this course. Credit will not be awarded for both SED 518S and 518.

SED 530 Technology/Strategies for MSD. (3)II. Cross-listed as SED 730. The implementation of computer technology and assistive/adaptive devices and strategies for students with multiple and severe disabilities including dual sensory. The use of Milieu language strategies and symbolic/non-symbolic communication in natural environments and daily routines. Credit will not be awarded to students who have credit for SED 730.

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 535 Teaching Students with Moderate and Severe Disabilities. (3) A. Functional assessment and systematic instruction for students with MSD. Use of assessment data to develop IEPs and instructional programs, including activity-based and community-based instruction. Methods and materials for implementing best practices across settings.

SED 538 Language of the Deaf and Hard of Hearing. (3) A. Formerly: SED 338. Prerequisite: SED 260 or departmental approval. Receptive and expressive conversational language development and written language acquisition from a developmental perspective. Concepts in bilingual education applied to deaf. Methods to access and facilitate language development. Credit will not be awarded for both SED 538 and SED 338.

SED 545 IEP Transition and Professional Roles in Special Education. (3) I, II. Prerequisite: admission to professional education or departmental approval. Working with interdisciplinary team, including family, to design and implement IEP including instruction, related services, and transition for employment and community living. Collaboration strategies, and personnel, and records management.

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 or 575 with a grade of C or better or departmental approval. Corequisite: CED 400. Principles of tests and measurements. Test administration, scoring, and interpretation applied to children with exceptionalities. Application of assessment data to interdisciplinary teams.

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 580 Audiology for Teachers of the Deaf and Hard of Hearing. (3) II. Physics of sound; anatomy, physiology, pathology and medical treatment of the auditory system; introduction to the audiometer and basic pure-tone and speech (auditory) testing; hearing aids and devices.

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 584 Math Intervention for Students with Disabilities. (3) Prerequisite: MAT 112, 201, and 202 with a grade of "C" or higher. Introduction to universal core instruction. Research-based assessment, data collection and analysis, and instruction/intervention strategies for teaching mathematics to P-12 students at-risk for failure due to disabilities.

SED 590 Applied Behavior Analysis (3) A. Prerequisite: SED 104 or 575 with a grade of C or higher or instructor approval. Corequisite: CED 400. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

SJS —Social Justice Studies Dr. Judah Schept, Coordinator

SJS 101 Understanding Social Justice and Human Struggle. (3) A. Explores the concepts of justice, conflict and social change and examines the ways in which political, economic, media, education, and other institutions create challenges for justice. Also examines efforts to resist existing structural and institutional arrangements and encourage social change to better meet human needs.

SJS 250S Service Learning in Social Justice Studies. (3) A. Prerequisite: SJS 101. Students will engage in classroom and service activities to explore, critique, and apply the fundamental concepts of justice, conflict, and social change. Through experiential learning and reflective writing, students will begin integrating ideas and perspectives, formulating personal

ideologies, and developing an enhanced sense of civic responsibility.

SJS 301 Theories of Social Justice. (3)

A. Prerequisites: sophomore standing, SJS 101, and SJS 250S. Examines social theories of justice, conflict and social change. This includes engagement with Marxist, Postcolonial, Postmodern, Poststructuralist, Critical Race, Feminist, and Queer theories. As the SJS major is dedicated to foundations in and accountability to grassroots knowledge and power, this course will consistently locate theory in concrete examples.

SJS 313 Mobilizing for Social Justice.

(3) A. Prerequisites: sophomore standing and SJS 101. Examines the broad concept of social change through explorations of different social movements, individual actors, and various policies. The course considers strategies for change including activism, advocacy, assistance, and community organizing and looks at change on a continuum of levels, from grassroots campaigns to international diplomacy and policy work.

SJS 322 Social Justice and Media. (3)

A. Prerequisites: sophomore standing and SJS 101. Examines the cultural, economic, and political dynamics of struggles for social justice through a mediated lens. Although the media provides useful information helping us understand conflict within society, it also creates the context that influences audience perceptions of people/events. This social construction influences how we perceive equality, justice, and fairness.

SJS 325 Social Justice and Film. (3)

A. Prerequisites: sophomore standing and SJS 101. Examines issues of justice, conflict, and social change through the lens of documentary and popular films and videos. Students are required to view, analyze, discuss, and critique themes and lessons garnered through their viewing experiences and assess how their experiences contribute to their understanding of justice, conflict, and social change.

SJS 396 Researching and Writing for Change. (3) A.

Prerequisites: sophomore standing, SJS 101, and SJS 250S. Examines the mutual importance and intertwined nature of social research and writing in struggles for social change and justice. The course will consider the importance of quantitative and qualitative research and diverse writing formats such as academic scholarship, journalism, polemics, cultural critique, advocacy, and grant-writing in addressing injustice and conflict.

SJS 400 Feminist Theory and Practice.

(3) A. Cross-listed with WGS 400. Prerequisite: WGS 201 or SJS 101 or departmental approval. Examines development of feminist theory and its implications for continuing feminist scholarship. Includes related research project in student's major. Credit will not be awarded to students who have credit for WGS 400.

SJS 401 Conflict, Resistance, and

Nonviolent Struggle. (3) A. Prerequisites: sophomore standing, SJS 101, and SJS 301. Course examines various responses to conflict and focuses on the use of nonviolent strategies as a means to overcome oppression. Examples of nonviolent struggle around the world are assessed and students are required to complete a field experience where they consider the application of effective nonviolent strategies.

SJS 450S Learning through Civic

Engagement. (3) A. Prerequisites: sophomore standing, SJS 101, and SJS 250S. Working collaboratively with faculty, peers, and/or community representatives, students will analyze a social problem. They will enhance competencies essential to the helping, advocacy, community organization and activist roles necessary for social change. Students will prepare written and oral presentations that reflect their understanding of justice, conflict, and social change.

SJS 467 States of Violence. (3) A.

Prerequisites: sophomore standing and SJS 101. Examines the relations among state regimes and their application of violence in historical and contemporary contexts. Consideration will be given to the ways state institutions such as the military, police, prisons, and welfare often exercise violence and threats thereof in

struggles over justice. Alternatives to state violence will be discussed.

SJS 470 Critical Carceral Studies. (3)

A. Prerequisites: sophomore standing and SJS 101. Examines the historical, theoretical, and political development of 'carcerality', including technologies of punishment, coercion, surveillance, and control. This class examines the rise of the prison industrial complex in the United States and its effects on oppressed communities.

SJS 480 Ethnography for Social Change.

(3) A. Prerequisites: sophomore standing and SJS 101 and SJS 301 and SJS 396. An advanced methods class, this course examines the use of ethnography to achieve greater understandings of, and contributions toward, social change. Readings may include studies of power and resistance in Appalachia, the homeless in San Francisco, the use of state violence in the repression of dissent, and other important works.

SJS 490 Identity, Culture, and Power. (3)

A. Prerequisites: sophomore standing and SJS 101 and SJS 301 and SJS 313. Examines culture as a contested site of power relations. Looking at media, economics, education, law and other areas of cultural (re)production, this class explores the diverse and even clandestine ways that power operates and that subordinated populations resist.

SOC—Sociology

Dr. Paul Paolucci, Chair

SOC 131 Introductory Sociology. (3) I, II.

Basic principles in sociology, including socialization, groups and interaction, culture, social structure and institutions (family, education, religion, politics, economics), crime/deviance, social inequalities (race, class, gender), and sociological research methods and theories. Gen. Ed. E-5B [SB].

SOC 232 Social Statistics. (3) I, II.

Prerequisites: SOC 131 and completion of all developmental mathematics requirements. Statistical analysis of survey data, including forming sociological research questions, variable selection, analysis, interpretation, and writing in standard scientific form.

SOC 235 Social Problems. (3) I, II.

Analysis of selected social problems such as crime, mental illness, divorce, population, and poverty, as well as controversies over human sexuality. The analysis includes the definition, causes, and consequences of social problems. Gen. Ed. E-5B [SB].

SOC 300 Sociology of Humans and Animals

(3) A. Prerequisite: ENG 102, 105(B), or HON 102. Completion of SOC 131 is advised. A survey of the sociology of animal-human interaction, focusing on the human-animal bond and conflict between human and animal worlds.

SOC 320 Mind, Self, and Society. (3)

A. Prerequisite: ENG 102, 105(B), or HON 102. 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 322 Sociology of Mass Media (3) A.

Prerequisites: ENG 102, 105(B), or HON 102; SOC 131 or COM 200. Mass media as social structure and audience in interpretation of mass media is examined through sociological analysis of media ownership, media content, and audience characteristics.

SOC 330S Sociology of Migration. (3) I,

A. Prerequisites: ENG 102, 105(B), or HON 102; 3 hours in SOC or departmental approval. A sociological exploration of global migration including study of migrants, refugees, politics, laws, and the role of the global economy, informed through service-learning.

SOC 345 Sociology of the Family. (3)

A. Prerequisite: ENG 102, 105(B), or HON 102. Completion of SOC 131 is advised before taking SOC 345. Examines family as a social institution, including its relation to cultural and social change and to the wider structure of society.

SOC 349 Applied Learning in Sociology

(5-8) A. Prerequisites: Sophomore Standing, Overall GPA: 2.0, and Sociology Program approval. Work in a professional environment related to academic studies. A maximum of three hours may be applied to major electives. A minimum of 80 hours of employment required for each semester hour of academic credit. Graded Satisfactory/Unsatisfactory.

SOC 349 A-N Cooperative Study: Sociology

(5-8) A. Prerequisites: Sophomore Standing, Overall GPA: 2.0, and Sociology Program approval. Work in a professional environment related to academic studies. A maximum of three hours may be applied to major electives. A minimum of 80 hours of employment required for each semester hour of academic credit. Graded Satisfactory/Unsatisfactory.

SOC 350 Selected Topics in Sociology: ____.

(3) A. Prerequisite: ENG 102, 105(B), or HON 102. 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 363 Appalachian Images in Film and Song. (3) A.

Cross-listed as APP 363. 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. Credit will not be awarded for both SOC 363 and APP 363.

SOC 365 Social Change in Appalachia. (3)

A. Cross-listed as APP 366. 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. Credit will not be awarded for both SOC 365 and APP 366.

SOC 370 Religion in Appalachia. (3) A.

Cross-listed as APP 370. 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. Credit will not be awarded for both SOC 370 and APP 370.

SOC 383 Environmental Sociology. (3)

A. Prerequisite: ENG 102, 105(B), or HON 102. Completion of SOC 131 is advised. The study and application of concepts from ecology, political economy and sociology to better understand the relationship between humans and their physical environment.

SOC 395 Research Methods in Sociology.

(3) II. Prerequisite: SOC 232. Methods and techniques of sociological research, including collecting, measuring, analyzing, processing, and presenting social data.

SOC 399 Gender and Society. (3)

A. Prerequisites: SOC 131 or SOC 235; ENG 102 or ENG 105(B) or HON 102. Emphasis on the relationship between the social construction of gender and the experiences of women and men in societies. Consideration of cultural diversity in defining gender roles. Gen. Ed. E-6 [GE].

SOC 400 Racial and Ethnic Relations. (3)

A. Prerequisites: SOC 131 or SOC 235; ENG 102 or ENG 105(B) or HON 102. 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. Gen. Ed. E-6 [GE].

SOC 412 Sexuality, Society & Justice. (3) A.

Prerequisites: SOC 131 and ENG 102 or 105(B) or HON 102. An examination of sexual minorities and social justice in the United States. Topics include law, social movements, hate crimes, intimate partner violence and politics.

SOC 420 Jobs, Organizations, and Power.

(3) A. Prerequisite: ENG 102, 105(B), HON 102, or departmental approval. Completion of SOC 131 is advised. Analysis of work in American society

with a focus on labor markets, labor processes, and organizational power structure. Special attention to the future of jobs and bureaucracies in the United States.

SOC 425 Social Inequality: US & the World. (3) A. Prerequisite: ENG 102, 105(B), HON 102, or departmental approval. Completion of SOC 131 recommended. Examines causes and consequences of social stratification, focusing on the origins, present, and future of the world economy, including policy institutions, major historical events, and racial/ethnic relations in the global system.

SOC 462 Sociological Theory (3) I. Prerequisites: ENG 102, 105(B), or HON 102; six hours in SOC. Examines developments in social thought, including origins of classical theory (Marx, Durkheim, Weber), a survey of contemporary theories built upon these early approaches, as well as issues unaddressed in the classical school, such as functionalism, feminism, dramaturgical analysis, and post-structuralism.

SOC 465 Demography. (3) A. Prerequisites: SOC 131 and 232. Topics include demographic data and analysis, population characteristics, migration, mortality, fertility, population theories, world population growth, and population policies.

SOC 470 Capstone Seminar in Sociology. (3) A. Prerequisites: ENG 102, 105(B), or HON 102; SOC 395. A capstone overview of sociology through a general survey of various subdisciplines of the field with an emphasis on student understanding of research, theory, and professionalization.

SOC 490 Independent Study in Sociology. (1-6) A. Prerequisites: SOC 131 and six additional hours in SOC. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Additional independent study courses may be retaken to a maximum of six hours.

SOC 499 Directed Research in Sociology. (3) A. Prerequisite: Departmental approval. A directed research experience for Sociology majors that integrates a research experience with the students' professional development and the production of a substantive deliverable product (e.g., poster or conference presentation).

SPA—Spanish
Dr. Abbey Poffenberger, Chair

SPA 101 Conversational Spanish I. (3) I, II. Prerequisite: Completion of 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. Proficiency-based course emphasizing active communication in Spanish, and introducing the cultural diversity of the Spanish-speaking world. Conducted in Spanish. Not open to students who have native or near-native fluency in Spanish. Gen. Ed. E-6 [GE].

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. Prerequisite: 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.) Continuation of SPA 101. Conducted in Spanish. Not open to students who have native or near-native fluency in Spanish. Gen. Ed. E-6 [GE].

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 Accelerated Spanish I. (6) A. Recommended: minimum of two years High School Spanish and/or instructor approval. An intensive

approach to the skills of reading, writing, speaking, listening, and understanding culture. SPA 105 covers the same material as SPA 101 and 102, but is completed in a single semester. Conducted in Spanish. Not open to students who have native or near-native fluency in Spanish. Gen. Ed. E-6 [GE].

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. E-6 [GE].

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. E-6 [GE].

SPA 205 Accelerated Spanish II (6)
Prerequisite: SPA 105, or SPA 102 or equivalent with minimum grade of B, or two years AP high school Spanish, and/or instructor approval. An intensive approach to the skills of reading, writing, speaking, listening, and understanding culture. SPA 205 covers the same material as SPA 201 and 202, but is completed in a single semester. Gen. Ed. E-6 [GE].

SPA 206 Conversational Fluency. (3) A. Recommended: SPA 202 or equivalent proficiency (not open to students who have native or near-native fluency in Spanish). Active development of skills and strategies for functional fluency in Spanish in real cultural contexts. Gen. Ed. E-6.

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 206 and SPA 301. May be retaken to a maximum of 9 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 321S Spanish for the Social Services. (3) (A). Prerequisite: SPA 206 or Departmental Approval. Designed to develop the knowledge and skills required for communication by collaborating with professionals in an approved service learning site. Materials and activities are geared toward professional interactions and will emphasize cultural knowledge.

SPA 349 Applied Learning in Spanish. (5-6) 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 EKU. A minimum of 80 hours of employment is required for each semester hour of academic credit. Site, plan and hours must be approved by Spanish coordinator. Work under coordinator and field supervisors in placements related to academic studies. Maximum of 6 (six) hours toward a degree.

SPA 349 A-N Cooperative Study: Spanish. (5-6) 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 EKU. A minimum of 80 hours of employment is required for each semester hour of academic credit. Site, plan and hours must be approved by Spanish coordinator. Work under coordinator and field supervisors in placements related to academic studies. Maximum of 6 (six) hours toward a degree.

SPA 360 Topics in Grammar: _____. (3) I, II. Prerequisites: SPA 206 and SPA 301. 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.

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.

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 410 Introduction to Interpreting (3). Prerequisite: SPA 360. This is a practical course designed to develop proficiency in community interpreting. Topics include consecutive interpreting skills, sight translation skills, vocabulary and terminology research, intercultural issues, and situational ethics.

SPA 492 Senior Capstone Seminar (3). Prerequisites: At least 18 hours of 300-400 level Spanish, including 3 hours from SPA 405, 406, 407. Advanced majors will demonstrate their skills in the language, linguistics, cultures, and literatures of Hispanic peoples, via a portfolio, demonstrated proficiency in oral and written Spanish, and a final oral presentation to peers and faculty. Taught in Spanish. Required of all majors.

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. Daniel Mundfrom, Chair

STA 215 Introduction to Statistical Reasoning. (3) I, II. Prerequisite: completion of all University developmental requirements. Introduction to descriptive statistics, normal distributions, correlation and linear regression, sampling, experiments, chance phenomena, one- and two-sample estimation and hypothesis testing, chi-square tests, and use of statistical software. Gen. Ed. E-2 [QR].

STA 215L StatLab for STA 215 (1) A. Corequisite: STA 215. This optional lab is to accompany a regular lecture class in STA 215; topics will vary. 2 Lab

STA 230 Probability and Statistics for Middle Grades Teachers. (3) II. Prerequisite: MAT 112, 114, 211, or 234 or 234H with a grade of "C" or better. Pre- or Co-requisite: MAE 201. Sampling, graphs, percentiles, measures of center and variability, mean absolute deviation, correlation, lines of best fit, probability, geometric probability, independence, simulations, contingency tables, counting, binomial, uniform, and normal probability distributions, one-sample inference, manipulatives, presentations, technology.

STA 270 Applied Statistics (4) I, II. Prerequisite: MAT 112 or higher, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 530 on the mathematics portion of the SAT. Descriptive statistics, probability, counting techniques, discrete and continuous distributions, binomial distributions, normal distributions, sampling distributions, one- and two-sample estimation and hypothesis testing, chi-square tests, correlation, linear regression, analysis of variance, and use of statistical software. Gen. Ed. E-2 [QR].

STA 270L StatLab for STA 270: ____. (1) A. Corequisite: STA 270. This optional lab is to accompany a regular lecture class in STA 270, topics will vary. 2 Lab.

STA 340 Applied Regression Analysis. (3) I, II. Prerequisite: STA 270; or STA 215 (B) or better and one of the following: MAT 112 or higher, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 500 on the mathematics portion of the SAT; or departmental approval. Simple and multiple regression, model building, variable screening methods, detection and management of multicollinearity, residual analysis, logistic regression, classical time series analysis, and use of statistical software. Credit will not be awarded to students who have credit for STA 320.

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-N 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 375 Sampling Methods. (3) A. Prerequisite: STA 270, or STA 215 (with a B or higher), and one of the following: MAT 112 or higher, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 500 on the mathematics portion of the SAT; or departmental approval. Basic concepts of sampling theory, simple random sampling, stratified random sampling, cluster sampling, systematic sampling,

ratio and regression estimation, applications to surveys, and use of statistical software. Written and/or oral presentations required.

STA 380 Nonparametric Statistics. (3) A. Formerly STA 501. Prerequisite: STA 270 or STA 215 (with a B or higher) and one of the following: MAT 112 or higher, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 500 on the mathematics portion of the SAT; or departmental approval. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression, and use of statistical software. Credit will not be awarded to students who have credit for STA 501.

STA 470 Applied Probability. (3) II. Formerly STA 370. Prerequisites: MAT 244 or 244H or 254 or 254H; and STA 215 or 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, multinomial distributions, Markov Chains, and emphasis on applications. Credit will not be awarded to students who have credit for STA 370.

STA 480 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 485 Probability for Actuaries. (2) A. Formerly STA 385. Prerequisite: STA 470 and one of MAT 520 or STA 520. Review of elementary probability theory, univariate and multivariate probability distributions, moment generating functions, transformations, order statistics, and applications of probability concepts in a risk management context. Preparation for Actuarial Exam P. Credit will not be awarded to students who have credit for STA 385.

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 498 Statistics Capstone. (1) A. Cross-listed as MAT 498. Prerequisite: senior status as either a Mathematics or Statistics major. Designed to enable students to synthesize and integrate their mathematics and statistical knowledge. Students will learn how to conduct research and present the results. Credit will not be awarded for both STA 498 and MAT 498.

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, linear correlation and regression, analysis of variance, and use of statistical software.

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. Cross-listed as MAT 520. Prerequisite: STA 215 or 270. Prerequisite or Corequisite: MAT 254 or 254H. Descriptive statistics, discrete and continuous probability distributions for one and two variables, functions of random variables, sampling distributions, expectations and generating functions. Credit will not be awarded to students who have credit for MAT 520.

STA 521 Mathematical Statistics II. (3) II. Prerequisites: MAT 239; MAT 520 or STA 520. A continuation of STA 520. Estimation theory, hypothesis testing, linear regression, analysis of variance, allied topics.

STA 570 Quality Control & Reliability. (3) A. Prerequisites: Senior standing, MAT 234 or 234H, and STA 340. Analysis of six sigma techniques, statistical analysis of process capability, statistical process control using control charts, quality

improvement, acceptance sampling, and an introduction to product reliability.

STA 575 Statistical Methods Using SAS. (3) A. Prerequisite: STA 270, or STA 215 (with a B or higher), and one of the following: MAT 112 or higher, a minimum score of 23 on the mathematics portion of the ACT, or a minimum score of 500 on the mathematics portion of the SAT; or departmental approval. Data set manipulation, application of statistical techniques in SAS, and statistical programming.

STA 580 R and Introductory Data Mining. (3) A. Prerequisite: STA 340, MAT 234 or 234H, and CSC 160 or 174 or 177 or 190. Data set manipulation, application of statistical techniques in R, statistical programming, and data mining skills.

STA 585 Experimental Design. (3) A. Prerequisite: STA 320 or departmental approval. Completely randomized designs, factorial experiments, multiple comparisons, model diagnostics, randomized blocks, Latin squares, fixed and random models, nested-factorial experiments, 2^f factorial experiments, and split-plot designs. Emphasis on applications and use of statistical software.

SWK—Social Work

Stephanie Adams, MSW, Director

SWK 100 Introduction to Food Benefits. (3) A. Integration of basic knowledge and skills to process food benefits cases. Enrollment is restricted to Cabinet of Health and Families employees only. Registration through UTC only.

SWK 210 Introduction to Social Work. (3) 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: SOC 131, PSY 200. Prerequisite or corequisite: 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 Social Welfare Policy History. (3) I, II. Prerequisite: ENG 102 or ENG 105(B) or HON 102. History of social welfare policy; 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 an oppressive environment. Credit will not be awarded to students who have credit for SWK 310W. Gen. Ed. E-5B [SB].

SWK 310W Social Welfare Policy History. (3) I, II. Prerequisite: ENG 102 or ENG 105(B) or HON 102. History of social welfare policy; its role and relationship with other social institutions, structures and function of U.S. system compared to other national systems; inequitable distribution of resources; and its contribution to an oppressive environment. Credit will not be awarded to students who have credit for SWK 310. Gen. Ed. E-5B [SB].

SWK 335 Human Behavior/ Social Environment II. (3) I, II. Prerequisite: SWK 210. Prerequisite or corequisite: SWK 225. Examination and application of theories of community, organizational and group behavior. Critical analysis of the social, economic and political forces and institutions that impact human behavior.

SWK 340 Social Work Research Methods. (3) I, II. Prerequisite: SWK 310. Prerequisite or corequisite: SWK 390 and SOC 232. The course teaches application of both qualitative and quantitative research methods within the context of social work practice.

SWK 344 Stress Management & Self-Care (3) A. Prerequisite: ENG 102 or ENG 105 (B) or HON 102. Introduction to the science of stress and stress management focusing on developing lifetime habits of wellness and self-care for the helping professions. Major focus on experiential, evidence-based stress management

exercises.

SWK 350 Social Work Practice I. (3) I, II.
Prerequisite: Admission to the Social Work Program, SWK 225 and SWK 310. Prerequisite or Corequisite: SWK 335. 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 Social Work Practice Methods. (3) I, II. Corequisite: SWK 350. Focuses on interactional activities and exercises that foster the development of interviewing skills, data collection, and synthesis, assessment, service contracting and use of relationship skills.

SWK 355 Social Work Practice II. (3) I, II.
Prerequisites: SWK 335, 350, and 354. Addresses the social work process with groups and families with a focus on assessments, intervention, implementation, and evaluation of practice strategies. Facilitation of psycho-educational groups to practice group work skills.

SWK 358 Child Abuse and Neglect. (3) A. Prerequisite: Admission to the Public Child Welfare Certification Program (PCWCP) and 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. Required course for PCWCP.

SWK 360 Social Work Practice III. (3) I, II. Prerequisite: SWK 335 and SWK 350. Prerequisite or corequisite: SWK 390. 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.

SWK 365 Crisis Intervention (3) I, II.
Prerequisite: ENG 102 or 105 (B) or HON 102. This course will examine current theories pertaining to crisis intervention, assessment strategies, key public policy issues, and the treatment system. This course uses on-line discussion, presentations, and videos to facilitate learning.

SWK 390 Field Experience in a Social Agency. (3) I, II. Prerequisites: SWK 350 and SWK 354 and overall GPA 2.5 or above. Corequisite: Personal Liability Insurance. Eight hours per week in an agency, community program, or project approved by Field Education Coordinator plus 1 1/2 hour seminar. Applications of practice theory and process. Student must apply the semester preceding course enrollment. Majors only.

SWK 410 Social Welfare Policy Practice. (3) I, II. Prerequisite: SWK 310 or SWK 310W. 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 440 Addictions. (3) I, II. Prerequisites: Junior or Senior standing. Open to all majors. This course will examine how to assess, intervene, and treat individuals, families, and groups with substance abuse and other addictions. The course will examine addictions from a strengths perspective.

SWK 450 Child Abuse Interventions. (3) A. Prerequisite: SWK 358 and admission to Public Child Welfare Certification Program (PCWCP). Development of assessment, intervention, and prevention skills in child abuse and neglect. Focus is on public agency involvement. Required course for PCWCP.

SWK 455 Selected Topics in Social Work. (3) A. Prerequisite: departmental approval. Recommended Junior or Senior standing. Open to all Majors. Course content will be determined by interest, and developments in the profession. May be retaken to a maximum of nine hours.

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 Assessing Needs of Older Adults. (3) A. 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. Open to all majors.

SWK 490 Social Work Practicum. (12) I, II.
Prerequisites: Overall GPA of 2.5 and completion of all other major requirements with a minimum grade of "C." Corequisite: Personal Liability Insurance. Supervised practice in a social agency approved by Field Education Coordinator. Typically four days a week for 15 weeks plus weekly on-campus seminar. Application must be made through Field Education Coordinator the semester preceding placement. Social Work majors only.

SWK 495 Independent Study in Social Work. (1-6) A. Student must consult with the faculty supervisor and have the independent study proposal form approved by faculty supervisor, program director, and department chair prior to enrollment. May be retaken to a maximum of six hours.

SWK 499 Directed Research in Social Work. (3) A. Prerequisite: Departmental approval. A directed research experience for social work majors that integrates a research experience with the students' professional development and the production of a substantive deliverable product (e.g., poster or conference presentation).

TEC—Technology
Dr. Tim Ross, Chair

TEC 102 Technology and Society. (3) I, II.
The role of technology in society. Characteristics of a technologically literate citizen. Perspectives, theories, issues, concerns, and facts to support the recognition of the forces and consequences of technological change. Evolution and current trends of diverse technologies.

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.

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 303 Problem Solving and Engineering Design. (3) A. Prerequisites: TEC 190 or departmental approval. Application of the principles of engineering design related to various media; emphasis on experimentation and problem solving in development and construction of engineering design solutions. 2 Lec/2 Lab.

TEC 305 Creative Problem Solving. (3) I. Prerequisite: CRE 101 or departmental approval. A review and analysis of basic and applied research in the development of creative behavior with emphasis on its application to methods and techniques used in creative problem solving in personal/professional settings.

TEC 314 Engineering in Classroom Context. (3) I, II. Cross listed as EDC 314. Prerequisites: Admission to professional education or department approval. Introduction of engineering and technology to promote problem solving skills, tool use, materials processing, design capabilities, and product completion. Applications for K-8 classrooms are emphasized. Credit will not be awarded to students who have credit for EDC 314.

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 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. (5-8) 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-N Cooperative Study: Technology. (5-8) 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 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 404 Principles of Engineering and Technology. (3) A. Prerequisite: CTE 361 or departmental approval. To familiarize students with important principles of engineering and technology, including electrical, civil, mechanical and other engineering and technology areas. 2 Lec/2 Lab.

THE—Theatre Arts
Dr. James Keller, Chair
Alana Ghent, 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. E-3A [AH].

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) A. Study and practice of theatre design, technical production, or performance through participation in departmental productions. May be retaken to a maximum of six 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. Gen. Ed. E-3A [AH].

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, and properties.

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. (3) I, II.
A beginning course in movement and dance for the stage. Expands the capacity for non-verbal self-expression and dramatic imagination. Basic work in ballet, jazz and musical theatre styles will be introduced. May be retaken to a maximum of six hours.

THE 300 Stage Management. (3) A. Prerequisites: THE 110 and 235 or departmental approval. An in-depth study of the work and responsibilities of the stage manager in theatrical production.

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) A. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of six 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. (2) 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 six 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. (5-8) 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-N Cooperative Study: Theatre Arts. (5-8) 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. (3) I, II. Prerequisite: THE 285 or instructor approval. Emphasis is placed on enhancing strength, coordination, and technique as movement skills develop. Ensemble work, and fundamentals in ballet, jazz, partnering and musical theatre styles will be included. May be retaken to a maximum of six hours.

THE 390 Theatre History I. (3) I, A. Prerequisite: ENG 102, ENG 105 (B), or HON 102. Intensive examination of development of theatre from the Greeks to the French Renaissance. The historic origins

of theatrical conventions will also be examined through attendance at live theatre, and reading of dramatic literature. Gen Ed. E-3A or E-3B.

THE 391 Theatre History II. (3) II, A. Prerequisite: ENG 102, ENG 105(B), or HON 102. Examination of the development of theatre and dramatic literature from the English Restoration to the modern period. Experiences include attendance at live theatrical events and applying knowledge of historical periods to create aesthetic judgment. Gen. Ed. E-3A or E-3B.

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 for both THE 430 and 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 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 495 Senior Seminar (1) A. Majors with senior standing only. A capstone experience in theatre. Synthesis of students' total theatre education as well as creation of a professional resume and correspondence techniques.

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. Troy Rawlins, Coordinator

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 225 Basic Fleet Management Safety Principles. (3) A. A classroom and laboratory program designed to introduce personnel to problems and practices of motor fleet safety programming and regulatory requirements.

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 235 Emergency Vehicle Roadway Operations Safety. (3) A. Program designed to learn collision prevention and crash mitigation techniques needed when an impending driving emergency occurs in an emergency response vehicle. Included in the course work is theory to introduce and simulate avoidance maneuvers.

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 A-N Cooperative Study: Traffic Safety. (5-8) 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 395 Marine Transportation Safety (3) A. Prerequisite OSH 261 or OSH 361. This course explores the history of the development of marine safety and health and the functioning regulations. Emphasis is placed on OSHA 29 CFR standards and USCG Title 46 as resources.

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.

UNP—University Programs, Study Abroad Jennifer White, Director

UNP 200 Study Abroad: _____. (1-6) Prerequisite: Study Abroad coordinator approval required. Participate in an approved educational experience at a foreign university. Student may earn up to 6 credit hours of foreign educational experience at this level provided course topic is not repeated.

UNP 300 Study Abroad: _____. (1-6) Prerequisite: Study Abroad coordinator approval required. Participate in an approved educational experience at a foreign university. Student may earn up to 6 credit hours of foreign educational experience at this level provided course topic is not repeated.

UNP 400 Study Abroad: _____. (1-6) Prerequisite: Study Abroad coordinator approval required. Participate in an approved educational experience at a foreign university. Student may earn up to 6 credit hours of foreign educational experience at this level provided course topic is not repeated.

UNP 500 Study Abroad: _____. (1-6) Participate in an approved educational experience at a foreign university. Student may earn up to 6 hours for this course, provided topic is not repeated.

VTS—Veterans Studies**Deanna Kasitz, Program Coordinator****VTS 200 Intro to Veterans Studies (3)**

A. Prerequisite completion of developmental reading and writing requirements. Multidisciplinary study of military/veteran issues and perceptions of veterans. Explores impact of training/service on reintegration into civilian life and relationships. First course in VTS minor. Designed for non-veterans and veterans. Gen. Ed. E-6 [GE].

VTS 300 Veterans in Society (3) A.

Prerequisite: ENG 102 or 105(B) or HON 102; VTS 200 or equivalent proficiency. (Students entering VTS 300 by referral or placement receive three hours credit for VTS 200 if they make an "A" or "B" in 300.) Concentrated study of veterans' interactions and roles within society using the relational, cultural, and institutional dimensions of Veterans Studies. May include field trips. Required course for VTS certificate, concentration, or minor. Gen. Ed. E-6 [GE].

NOTE: Students earning "A" or "B" in VTS 300 will be awarded credit for VTS 200, earning six hours of credit; thus completing General Education Element 6. Those earning "C" or "D" will earn three hours credit for VTS 300, completing only half of the Element 6 requirements.

VTS 349 Applied Learning for Veterans

Studies (.5-8) A. Prerequisite: VTS 200 and junior standing. Work or volunteer in an area related to Veterans Studies. One to eight hours credit. A minimum of 80 hours employment required for each semester hour credit. No more than 3 hours may count toward VTS program.

VTS 349 A-N Cooperative Study: Veterans

Studies (.5-8) A. Prerequisite: VTS 200 and junior standing. Work or volunteer in an area related to Veterans Studies. One to eight hours credit. A minimum of 80 hours employment required

for each semester hour credit. No more than 3 hours may count toward VTS program.

VTS 350 Special Topics: _____ (3)

A. Prerequisite: VTS 200. Exploration of topics not covered in the existing VTS curriculum. May be taken for a maximum of six hours provided the subject matter is different each time.

VTS 400 Veterans Studies Capstone

Seminar (3) A. Prerequisites - VTS 200 and 12 hours of VTS dimensional electives. Instructor mentored seminar incorporating previous gained knowledge concomitantly with course research to produce material presentable for publication and/or conference presentation. Class will organize a capstone symposium.

VTS 490 Independent Study (3) A.

Prerequisite: VTS 200 and junior standing. Independent research and study in an area related to veterans studies. Regular reports and final research paper required. Students must have the independent study proposal form approved by faculty supervisor and program director prior to enrollment.

WGS—Women and Gender Studies**Dr. Lisa Day, Director****WGS 132 Introduction to the Family. (3)**

A. Cross-listed as CDF 132. Ecological and systems approach applied to public and private family concepts; historical changes and current status; relationships among individuals, families, consumers, and communities; status of women, men, children and the elderly; public policy related to changes in the family. Credit will not be awarded for both WGS 132 and CDF 132.

WGS 201 Intro to Women & Gender Studies. (3) A.

Introduction to interdisciplinary field of women and gender studies and feminist scholarship. Provides overview of the diversity of women's experiences, images, and issues from a wide variety of disciplinary perspectives. Gen. Ed. E-6 [GE].

WGS 232 Identity and Sexuality. (3) I, II.

Cross-listed as CDF 232. 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 or CDF 232. Gen. Ed. E-6 [GE].

WGS 300 Topics in Women and Gender

Studies: _____ (3) A. Intensive study of selected topics related to recognizing and validating the experience of women and their contributions to society. May be retaken for a maximum of six hours provided the topics are different.

WGS 302 Gender, Sexuality, & Homophobia.

(3) A. Explore the diversity of lesbian, gay, bisexual and transgender (LGBT) identity, culture, and community. Analyze LGBT experiences and unmask assumptions based upon heterosexist, heteronormative perspectives and sexist realities. Credit will not be awarded for both WGS 302 and WGS 300 Special Topics: Gender, Sexuality & Homophobia.

WGS 303 Women in American History. (3)

A. Cross-listed as HIS 303. Prerequisite: three hours HIS or departmental 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. Credit will not be awarded for both WGS 303 and HIS 303.

WGS 304 Gender Perspectives on

Contemporary Terrorism (3) A. An interdisciplinary look at contemporary terrorism and U.S. policy. Analyzing the perception of women in the U.S. and elsewhere around the world, with particular focus on American, Iraqi, Afghan, Palestinian, and Muslim women. Credit will not be awarded for both WGS 304 and WGS 300 Special Topics: Gender Perspectives on Contemporary Terrorism.

WGS 305 Domestic Violence. (3) A.

Cross-listed as CRJ 305. 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. Credit will not be awarded for both WGS 305 and CRJ 305.

WGS 306 Masculinity & Popular Culture

(3) A. Prerequisites: ENG 102 or 105 (B) or HON 102. Exploration of images and ideals of men and masculinity as they have evolved in popular culture due to race, class, culture, age, and sexuality. Credit will not be awarded for both WGS 306 and WGS 300 Special Topics: Masculinity & Popular Culture.

WGS 308 Trans Studies (3) A.

Prerequisites: ENG 102 or 105(B) or HON 102. Introduction to emerging field of Trans Studies through exploration of trans history, identities, experiences, politics, and culture in the contemporary U.S. Credit will not be awarded for both WGS 308 and WGS 300 Special Topics: Intersexuality & Transsexuality.

WGS 309 Women and Trauma. (3)

Prerequisite: ENG 102 or 105 (B) or HON 102. A study of contemporary psychological trauma theories with analysis of historical and contemporary representations of trauma in film, fiction, poetry, and American culture. Credit will not be awarded for both WGS 309 and WGS 300: Women and Trauma.

WGS 331 Marriage and Intimate

Relationships. (3) A. Cross-listed as CDF 331. 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. Credit will not be awarded for both WGS 331 and CDF 331.

WGS 345 Diversity and Criminal

Justice. (3) A. Cross-listed as CRJ 345. 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. Credit will not be awarded for both WGS 345 and CRJ 345.

WGS 349 Applied Learning in Women and

Gender Studies. (.5-8) A. Prerequisite: approval of Director of Women and Gender 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.

WGS 349 A-N Cooperative Study: Women

and Gender Studies. (.5-8) A. Prerequisite: approval of Director of Women and Gender Studies. Work in job placements related to Women and Gender Studies. One to eight hours credit. Minimum of 80 hours employment required for semester hour credit.

WGS 364 Women's Literature. (3) A.

Cross-listed as ENG 364. Prerequisite: ENG 102 or 105 (B) or HON 102. Study of selected literature by women writers from varying cultures, genres, and periods. Credit will not be awarded for both WGS 364 and ENG 364. Gen. Ed. E-6 [GE].

WGS 365 Women, Gender, and Religion.

(3) A. Cross-listed as REL 365. Prerequisite: ENG 102 or 105 (B) or HON 102. A study of the intersections between feminism and the social impact of religion throughout the world with particular emphasis on the relationship between religion and gender, sexuality, and body politics. Credit will not be awarded for both WGS 365 and REL 365.

WGS 366 Queer Theory and Literatures. (3)

A. Cross-listed as ENG 366. Prerequisite: ENG 102 or 105 (B) or HON 102. Examination of trends in Queer Theory; study of major contributors to the field such as Foucault, Butler, and Sedgwick; application of theoretical models to literary and cinematic texts. Credit will not be awarded to students who have credit for ENG 366. Gen. Ed. E-6.

WGS 378 Black Women in History. (3) A.

Cross-listed as AFA 378. Examines the lives of African-American women from slavery to the present with emphasis on the impact of race, gender, and class issues on their multi-faceted lives as women in America. Credit will not be awarded for both WGS 378 and AFA 378.

WGS 380 Gender and Work in the U.S.

(3) A. Cross-listed as OTS 380. Prerequisite: ENG 102 or 105(B) or HON 102 or departmental approval. A survey view of occupational science and sociological constructs related to gendered work. Includes content on family-work linkages, gendered organizations, and public policies in the workplace. Credit will not be awarded to students who have credit for OTS 380, OTS 480, or WGS 480.

WGS 400 Feminist Theory and Practice.

(3) A. Cross listed with SJS 400. Prerequisite: WGS 201 or SJS 101, or departmental approval. Examines development of feminist theory and its implications for continuing feminist scholarship. Includes related research project in student's major. Credit will not be awarded to students who have credit for SJS 400.

WGS 420 The Psychology of Women. (3)

A. Cross-listed as PSY 420. Prerequisite: PSY 200. Psychological theory and research about important facets of girls' and women's lives from birth through old age. Credit will not be awarded for both WGS 420 and PSY 420.

WGS 446 The Politics of Sex. (3) A.

Cross-listed as POL 446. 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. Credit will not be awarded for both WGS 446 and POL 446.

WGS 451 Principles and Politics of Human

Rights. (3) A. Cross-listed as POL 451. Examines politics of human rights in theory and in practice. Credit will not be awarded for both WGS 451 and POL 451.

WGS 495 Independent Study: Women

and Gender Studies. (1-5) A. Prerequisite: approval of Director of Women and Gender Studies. Study of a special topic in Women and Gender Studies. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of ten hours.

WGS 591 Women's Health. (3) A. Cross-listed as HEA 591/791. Analysis of the major health

problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns. Credit will not be awarded for both WGS 591 and HEA 591/791.

WGS 592 Human Sexuality. (3) A. Cross-listed as HEA 592/792. 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. Credit will not be awarded for both WGS 592 and HEA 592/792.

WGS 593 Death and Grief. (3) A. Cross-listed as HEA 593/793. 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. Credit will not be awarded for both WGS 593 and HEA 593/793.

WLD - Wildlife Management

Dr. Malcolm Frisbie, Chair

WLD 317 Conservation of Wildlife Resources. (3) I, II. Cross-listed as ENV 317. Prerequisite: ENG 102 or 105(B) or HON 102. 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. Credit will not be awarded to students who have credit for ENV 317.

WLD 380 Wildlife Law & Law Enforcement. (3) A. Prerequisite: ENG 102 or 105(B) or HON 102. Discussion of pertinent state and federal wildlife laws and how law enforcement impacts wildlife management.

WLD 381 Principles of Wildlife Management. (3) I. Prerequisite or Corequisite: BIO 316 or departmental approval. Principles of wildlife management and their application to current management issues. Credit will not be awarded to students who have credit for BIO 381.

WLD 382 Wildlife Population Analysis. (4) I. Prerequisites or co-requisites: BIO 316, STA 215 or STA 270, and Wildlife Management major; or departmental approval. Quantitative population ecology of vertebrates, with a focus on sampling and analysis of field data applicable to wildlife conservation. Credit will not be awarded for both WLD 382 and WLD 382W. 2 Lec/4 lab.

WLD 489W Wildlife Research and Writing. (3) I, II. Prerequisites: WLD 382; STA 215 or 270; junior or senior status; ENG 102 or ENG 105(B) or HON 102; and Wildlife Management major. Students will design and execute a research project. Emphasis placed on (a) writing a research proposal, and (b) writing a final project report in the format of a manuscript for publication. Credit will not be awarded to students who have credit for WLD 489.

WLD 583 Game Species Management. (3) A. Prerequisite or corequisite: Senior standing; WLD 381 (C or better) or departmental approval. Biology and ecology of the major game species found in North America with emphasis on current management practices and problems. Credit will not be awarded to students who have credit for BIO 599/799 Special Topics: Game Species Management.

WLD 584 Upland Wildlife Management. (4) A. Prerequisite: WLD 381 or departmental approval. Ecological principles and management strategies to preserve and enhance forest and grassland wildlife and their habitats. Credit will not be awarded to students who have credit for BIO 584.

WLD 585 Wildlife Resource Policy and Administration. (3) A. Prerequisite or Corequisite: WLD 381 or departmental approval. Discussion of state, regional, national, and international policies and agencies which impact management of wildlife resources; with emphasis in North America. Credit will not be awarded

to students who have credit for BIO 585.

WLD 586 Wetland Wildlife Management. (4) II. Prerequisite: BIO 316 and WLD 381; or departmental approval. Ecology and management of migratory and resident wetland wildlife populations and their habitats, with a focus on waterfowl. 2 Lec/4 Lab. Credit will not be awarded to students who have credit for BIO 586.

WLD 587 Urban Wildlife Management. (3) A. Prerequisites or Corequisites: BIO 316 and WLD 381; or departmental approval. The strategies employed to manage urban wildlife and prevent/control animal damage in North America will be discussed. Credit will not be awarded to students who have credit for BIO 587.

WLD 599 Topics in Wildlife Management: _____, (1-6) A. Prerequisites: Senior Standing; BIO 316 (C or better), WLD 381 (C or better) and departmental approval. Special topics in wildlife management of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of 6 hours, provided the subject matter differs each time.

FACULTY LISTING

ABNEY, MARJORIE, (2015), Lecturer, Accounting, Finance & Information Systems, MBA, Eastern Kentucky University; BBA, University of Kentucky

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ANYANWU, OGECHI, (2011), Professor, History; PhD, Bowling Green State University; MSC, BA, Imo State University

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- BROCK, AUDREY**, (2012), Lecturer, Mathematics & Statistics; MS, BS, University of Kentucky
- BROCK, MARTIN**, (1990), Associate Professor, Chemistry; PhD, University of Illinois at Urbana-Champaign; BA, University of California, San Diego
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- CORN, LISA**, (1993), Assistant Professor, Model Laboratory School; MA, BS Eastern Kentucky University
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- EMBURY, DUSTY**, (2010), Associate Professor, Special Education; EdD, University of Cincinnati; MA, Lexington Theological Seminary; BA, Eastern Kentucky University
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- ENDSLEY, ABRA**, (2014), Lecturer, Communication; MA, BA, University of Kentucky
- ENGBRETON, KEN**, (2012), Associate Professor, Educational Leadership & Counselor Education; PhD, Auburn University; MS, University of Dayton; BS, Wright State University
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ACCREDITATIONS

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 (Master of Public Administration Degree Program)
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 (Baccalaureate and Master's Degree Program)

American Association for Health Education
 National Association for Sport and Physical Education
 National Recreation and Park Association Council on Accreditation of Parks, Recreation and Tourism
 (Baccalaureate Degree Program)
 Professional Golfers Association of America (PGA) for the Bachelor of Business Administration in Marketing, PGA Golf Management Concentration.

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Accreditation Council for Occupational Therapy Education (ACOTE)
 Occupational Therapy
 (Master of Science Degree Program)
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 (Associate and Baccalaureate, Minor, and Certificate Degree Programs)
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 (Bachelor of Science)
 American Drive and Traffic Safety Education Association (ADTSEA/IUP
 National Teacher Credentialing Program)
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 Community Nutrition
 (Master of Science Degree Program)
 Federal Aviation Administration (FAA)
 Aviation (Professional Flight)
 (Baccalaureate Degree Program)
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 Nursing
 (Associate and Baccalaureate Degree Programs)
 Kentucky Cabinet for Health and Family Services
 (Public Child Welfare Certification Program (PCWCP))
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 School Psychology
 (Specialist in Psychology Degree Program)
 National Association for Sport and Physical Education
 Physical Education, P-12 Teaching Option
 (Baccalaureate Degree Program)
 National Council on Family Relations (NCFR)
 (Child and Family Studies and Family and Consumer Sciences Education)
 Public Relations Society of America
 (Baccalaureate Degree Program; Public Relations Major)

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 American Association of Educational Service Agencies
 American Association of Family and Consumer Sciences
 American Association of State Colleges of Agriculture and Renewable Resources
 American Association of State Colleges and Universities
 American Association of University Women
 American Association for Paralegal Education
 American College Health Association
 American Conference of Academic Deans
 American Correctional Association
 American Council for Construction Education (ACCE)
 American Council on Education
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 The American Dietetics Association General Dietetics
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 American Society of Human Genetics
 American Society for Training and Development
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 Association for Supervision and Curriculum Development
 Association for General and Liberal Studies
 Association for Gerontology in Higher Education
 Association for School, College, and University Staffing, Inc.
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 Association of Departments of Foreign Languages
 Association of Environmental Health Academic Programs
 Association of Governing Boards of Universities and Colleges
 Association of Graduate Faculties in Public Health Nutrition
 Association of Schools of Journalism and Mass Communication
 Aviation Information Resources, Inc.
 Broadcast Education Association
 Broadcast Promotion and Marketing Executives Association
 College Art Association
 College Language Association
 College Placement Council, Inc.
 Conference of Southern Graduate Schools
 Consortium for the Advancement of Undergraduate Statistics Education
 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 Social Work Education
 Flexographic Technical Association
 Graphic Arts Technical Foundation
 Graphic Communications Council
 International Graphic Arts Education Association
 International Reading Association

International Society of Weekly Newspaper Editors
 International Technology and Engineering Education Association (ITEEA)
 International Television Association
 Kentucky Academy of Science
 Kentucky Association of Department of English
 Kentucky Aviation Association (KAA)
 Kentucky Broadcasters Association
 Kentucky Communication Association
 Kentucky Council of Associate Degree Nursing
 Kentucky Occupational Therapy Association
 Kentucky Agriculture Council
 Kentucky Paramedic Association
 Kentucky Press Association
 Kentucky Recreation and Park Society
 Kentucky Tourism Council
 Mathematical Association of America
 Mid-South Educational Research Association
 Modern Language 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
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 National Association of Schools of Public Affairs and Administration
 National Association of Student Personnel Administrators
 National Business Aviation Association (NBAA)
 National Collegiate Athletic Association
 National Collegiate Honors Council
 National Commission for Cooperative Education
 National Communication Association
 National Council of Arts Administrators
 National Council of Teachers of English
 National Environmental Health Association
 National Faculty Exchange
 National Fire Protection Association
 National Intercollegiate Flying Association
 National Intramural Recreational Sports Association
 National Juvenile Detention Association
 National Organization for Associate Degree Nursing
 National Recreation and Park Association
 National Safety Council
 National Society for Experiential Education
 National University Continuing Education Association
 National Wellness Association
 Newspaper Association of America
 Non-land-grant Agricultural and Renewable Resources Universities (NARRU)
 Public Relations Society of America
 Public Relations Student Society of America
 Screen Printing and Graphic Imaging Association
 Society of Professional Journalists
 Southeastern Airport Managers Association
 Southeastern Association of Advisors for the Health Professions
 Southeastern College Art Conference
 Southern Association of Colleges and Schools Commission on Colleges
 Southern Association of Collegiate Registrars and Admission Officers
 Southern Association of Community, Junior, and Technical Colleges
 Southern Council on Collegiate Education for Nursing
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