The research, teaching, extension, and regulatory functions of the College of Agriculture are combined into a coordinated, mutually supporting program of undergraduate and graduate education. Teaching in this college is closely related to the other functions thus providing the student with a unique opportunity to broaden his or her background in the areas of research and application of scientific findings to stakeholders.

Degree and study programs in the college run the entire range of the food, fiber, and agricultural system from farm production and marketing, manufacturing, processing and fabrication through nutrition, hospitality management, and consumer, community, and family studies.

On July 1, 2003, the School of Human Environmental Sciences joined the College of Agriculture. Degree requirements and information pertaining to these programs are listed beginning on page 105.

Admission
All students planning to study any phase of agriculture or human environmental sciences, including pre-veterinary medicine, are admitted directly into the College of Agriculture. Application for admission is made through the Office of Undergraduate Admissions.

Students interested in the Landscape Architecture program must meet all requirements for admission to the University. In addition, enrollment in the landscape architecture program is determined by a selective admission procedure. Applicants are selected on a competitive basis as determined by potential success in the program.

Accreditation
The undergraduate Forestry program at the University of Kentucky is accredited by the Society of American Foresters. The Landscape Architecture program is accredited by the American Society of Landscape Architects and meets all the requirements for licensing of landscape architects in Kentucky and other states. The Food Science program is accredited by the Institute of Food Technologists.

Accreditations for the School of Human Environmental Sciences are listed on page 105 of this Bulletin.

Undergraduate Programs in Agriculture
The University of Kentucky grants the following degrees in the College of Agriculture:

- Bachelor of Science in Agriculture
- Bachelor of Science in Agricultural Biotechnology
- Bachelor of Science in Agricultural Economics
- Bachelor of Science in Animal Sciences
- Bachelor of Science in Career and Technical Education
- Bachelor of Science in Community Communications and Leadership Development
- Bachelor of Science in Equine Science and Management
- Bachelor of Science in Food Science
- Bachelor of Science in Forestry
- Bachelor of Science in Horticulture, Plant and Soil Sciences
- Bachelor of Science in Landscape Architecture
- Bachelor of Science in Natural Resources and Environmental Science

Information on each major program (pre-major, major, and specialty support course requirements) follows. Students may obtain additional information on programs and recommended plans of study from the Associate Dean for Academic Programs.

Also available to students are minors in agricultural community communications and leadership development, economics, animal sciences, entomology, food science, pest management, plant and soil science, and rural sociology.*

Students majoring in biosystems engineering are enrolled in the College of Engineering. Degree requirements and curriculum are listed in the College of Engineering section of this Bulletin. See page 105 of this Bulletin for the list of degrees offered through the School of Human Environmental Sciences.

*At the time of publication, the minor in rural sociology was in the process of being suspended. Consult your advisor for more information.

SPECIAL APPLICATION DEADLINE
FOR SCHOOL OF HUMAN ENVIRONMENTAL SCIENCES

Coordinated Program in Dietetics
Upper division program applicants (students who have 71 semester hours of lower division courses – special application, transcript(s), and recommendations are due by:

<table>
<thead>
<tr>
<th>Fall</th>
<th>Feb. 1</th>
</tr>
</thead>
</table>

Undeclared Majors
Students who are interested in the College of Agriculture or School of Human Environmental Sciences but are undecided about a major should work closely with advisors in the College of Agriculture. With careful course selection, students can work toward fulfilling general requirements while exploring the various areas of study in agriculture, natural resources, and human environmental sciences.

Scholarships and Financial Aid
The College of Agriculture offers scholarship awards to students on the basis of academic accomplishment and involvement in extracurricular activities. Many of the departments in the college employ students in laboratories, greenhouses, barns, and field work in connection with the research program in agriculture. Information about scholarships and work opportunities is available in the Office of Academic Programs.

Academic Advising
Students in the College of Agriculture are advised by selected faculty in the department of the student’s major. Each student’s academic plan and records is maintained in the Office of Academic Programs, N6 Ag. Science Building – North, and in the Advising Resource Office, School of Human Environmental Sciences, 112 Erikson Hall. Students needing assistance selecting an advisor or general information about academics may come to the Office of Academic Programs or the School of Human Environmental Sciences Advising Resource Office.

Inquiries about programs or majors within the College of Agriculture may be directed to:
The procedure for entering an individualized program is as follows:

1. Each student must apply to the Associate Dean for Academic Programs. The student will receive an explanation of the program and its objectives, and the possible risks involved, including prospective employment and acceptance for advanced graduate degree work.

2. Students who continue their interest in the individualized program develop, with the assistance of an advisor, the plan which they propose to follow.

3. This plan must be submitted to the Associate Dean for consideration and possible approval.

4. Approval of the student’s program by the Associate Dean will admit the student to the individual program option.

For more information, contact:

Office of Academic Programs
N6 Ag. Science Building – North University of Kentucky
Lexington, KY 40546-0091
(859) 257-3468 or (859) 257-3469

Graduation Requirements

To earn a Bachelor of Science in Agricultural Biotechnology the student must complete 132 semester hours with at least a 2.0 grade-point standing. A minimum of 45 credit hours must be from upper division courses (300 and above). Remedial courses may not be counted toward the total hours required for the degree. In addition to the UK Core requirements, students must complete college, premajor, major, and specialty support requirements, including an independent research project relevant to the student’s interest in biotechnology.

Plan of Study

As an agricultural biotechnology major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Consult your academic advisor in developing your Plan of Study.

College Required Hours

GEN 100 Issues in Agriculture ........................................ 3

Subtotal: College Required Hours ......................... 3

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ....................... 3
CHE 111 Laboratory to Accompany General Chemistry I ....................... 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .............. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............. 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications 3
or
MA 113 Calculus I 3
or
MA 137 Calculus I 3
With Life Science Applications .................................. 3-4

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning .......................... 3

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B.S. in Agriculture with a major in INDIVIDUALIZED PROGRAMS

Individualized program opportunities have been developed to assist students with academic goals that cross several disciplines. Students pursuing the Bachelor of Science in Agriculture may pursue an individualized program in agriculture such as Entomology.

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Office of Academic Programs
N6 Ag. Science Building – North University of Kentucky
Lexington, KY 40546-0091
(859) 257-3468 or (859) 257-3469
College of Agriculture and School of Human Environmental Sciences

Premajor Requirements

BIO 150 Principles of Biology I ......................... 3
BIO 151 Principles of Biology Laboratory I ........... 2
BIO 152 Principles of Biology I ......................... 3
BIO 153 Principles of Biology Laboratory II .......... 2
CHE 105 General College Chemistry I ................. 3
CHE 107 General College Chemistry II ................. 3
CHE 111 Laboratory to Accompany General Chemistry I .......................................................... 1
CHE 113 Laboratory to Accompany General Chemistry II ......................................................... 2
CHE 230 Organic Chemistry I ............................. 3
CHE 231 Organic Chemistry Laboratory I ............. 2
CHE 232 Organic Chemistry II ............................ 3
CHE 233 Organic Chemistry Laboratory II .......... 2
MA 123 Elementary Calculus and Its Applications and MA 132 Calculus for the Life Sciences ............ 6
or
MA 113 Calculus I ............................................. 4
or
MA 137 Calculus I ............................................. 4
With Life Science Applications ........................ 4
PHY 211 General Physics ................................ 5
PHY 213 General Physics ................................ 5
(or equivalent with laboratory)

Subtotal: Premajor Hours ......................... 43-45

Major Requirements

Biotechnology
ABT 101 Introduction to Biotechnology ............. 1
*ABT 201 Scientific Method in Biotechnology .... 1
*ABT 301 Writing and Presentations
in the Life Sciences ........................................ 2
Microbiology
BIO 208 Principles of Microbiology ................. 3
BIO 209 Principles of Microbiology Laboratory .... 2
Biochemistry
BCH 401G Fundamentals of Biochemistry ............ 3
Genetics
ABT/ENT 360 Genetics .................................. 3
or
BIO 304 Principles of Genetics .......................... 3-4
ABT 460 Introduction to Molecular Genetics ....... 3
ABT 461 Introduction to Population Genetics ....... 3
Statistics
STA 291 Statistical Methods ............................ 3
or
STA 570 Basic Statistical Analysis ....................... 3
or
STA 580 Biostatistics I .................................... 3-4
Advanced Practical Skills
ABT 495 Experimental Methods in Biotechnology
or
BIO 510 Recombinant DNA Techniques Laboratory .... 4
Independent Study
ABT 395 Independent Study in Biotechnology
or
ABT 399 Experiential Learning in Biotechnology .... 3
All students are expected to undertake an independent study project in an area of their interest for a minimum of 3 credit hours. This requirement can be met by a research project or an internship that is agreed upon by a student’s advisor and approved by the Biotechnology Coordinating Committee prior to initiation of the project. Both written and oral reports are required when the project is completed.

Subtotal: Major Hours ......................... 31-33

*The combination of ABT 201 and ABT 301 may be used to satisfy the University Writing Requirement.

Specialty Support

Students must take a minimum of 21 credit hours of specialty support courses including at least one of the courses listed below. A number of the courses listed here may have additional prerequisites. Additional specialty support courses will be selected according to the student’s area of interest with approval of the academic advisor.

ASC 364 Reproductive Physiology of Farm Animals .... 4
BIO 315 Introduction to Cell Biology .................... 4
BIO 350 Animal Physiology ................................ 4
BIO 430G Plant Physiology ................................ 4
BIO 476G General Microbial Physiology .............. 4
BIO/PGY 502 Principles of Systems,
Cellular and Molecular Physiology ..................... 5
BIO 550 Comparative Physiology ........................ 3
BIO 580 Metabolism of Microorganisms ............... 4
PGY/MI 590 Cellular and Molecular Physiology ...... 4

Subtotal: Specialty Support Hours .......... 21

Electives

Electives should be selected to complete the 132 hours required for graduation.

Subtotal: Electives minimum of 8

TOTAL HOURS: ........................................... 132

Bachelor of Science in Agricultural Economics

The Agricultural Economics program enables graduates to pursue careers in agribusiness and food industries, international marketing and trade, or farm management and production. Opportunities are also available in public policy for agriculture and rural America and environmental economics. These career opportunities may be found in both the private and public sectors. Economic theory is applied to problems concerning the production, marketing, and distribution of agricultural and food products and also to public policy and natural resource and environmental issues facing rural communities.

Agricultural Economics students choose one of two options – Option A: Agricultural Economics, and Option B: Agribusiness Management and Food Marketing.

Graduation Requirements

To earn the Bachelor of Science in Agricultural Economics, the student must have a minimum of 120 credit hours with at least a 2.0 grade-point average in one of the two program options. A student must earn a minimum grade of C in each of the four agricultural economics courses required in the major. A minimum of 45 credit hours must be from upper division courses (300 and above). Remedial courses may not be counted toward the total hours required for the degree. In addition to UK Core requirements, students must complete college, departmental and support requirements.

Plan of Study

As an agricultural economics major you are required to develop an acceptable Plan of Study in your chosen area of emphasis for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan for approval during the first semester you are enrolled in the department.

Consult your academic advisor in developing your Plan of Study.

College Required Hours

GEN 100 Issues in Agriculture ................................ 3

Subtotal: College Required Hours ............ 3

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ..... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .... 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications
or
MA 113 Calculus I ............................................. 3-4

VIII. Statistical Inferential Reasoning
Choose one course from approved list .................. 3

IX. Community, Culture and Citizenship in the USA
GEN 100 Issues in Agriculture ......................... 3

X. Global Dynamics
Choose one course from approved list .................. 3

UK Core Hours ........................................... 30-31

Options

Option A: Agricultural Economics

This option provides a program of study for students interested in careers in rural public policy analysis, rural economic development, natural resource and environmental economics, cooperative extension, or a more individualized program.
Premajor Requirements  

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 201 Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 202 Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>MA 113 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MA 123 Elementary Calculus and Its Applications</td>
<td>6</td>
</tr>
<tr>
<td>STA 291 Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>ECO 391 Economic and Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>*WRD 203 Business Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: Premajor Hours ....................... 19-21

*May be used to satisfy the University Writing Requirement.

Major Requirements  

Note: Students must receive a grade of C or better in each of the following four agricultural economics courses required for graduation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC 302 Agricultural Management Principles</td>
<td>4</td>
</tr>
<tr>
<td>AEC 303 Microeconomic Concepts in</td>
<td></td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>AEC 305 Food and Agricultural Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>AEC 490 Quantitative Methods and Price Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

plus 12 additional hours in the major .......... 12

Subtotal: Major Hours ................................ 25

Specialty Support  

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201 Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202 Managerial Uses of Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

plus 15 additional hours of courses at the 200 level or higher to fulfill the student’s area of interest and selected with advisor’s approval from the following departments: ACC, AEN, AN, ASC, BAE, COM, CS, ECO, ENT, FIN, FOR, MA, MGT, MKT, PLS, PS, PSY, SOC, VS ... 15

Subtotal: Specialty Support Hours .............. 21

Electives

Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives  minimum of 23

TOTAL HOURS: ........................................ 120

Option B: Agribusiness Management and Food Marketing

A student in this option should be qualified for careers in marketing, sales, and management of farms or firms involved in production, financing, processing, marketing and distribution of food and agricultural products, depending on the electives chosen.

Premajor Requirements  

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101 Introduction to Computing I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 201 Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 202 Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>ECO 391 Economic and Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MA 113 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MA 123 Elementary Calculus and Its Applications</td>
<td>6</td>
</tr>
<tr>
<td>STA 291 Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>*WRD 203 Business Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: Premajor Hours ....................... 22-24

*May be used to satisfy the University Writing Requirement.

Major Requirements  

Note: Students must receive a grade of C or better in each of the following four agricultural economics courses required for graduation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC 302 Agricultural Management Principles</td>
<td>4</td>
</tr>
<tr>
<td>AEC 303 Microeconomic Concepts in</td>
<td></td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td></td>
</tr>
<tr>
<td>AEC 305 Food and Agricultural Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>AEC 422 Agribusiness Management</td>
<td>3</td>
</tr>
</tbody>
</table>

plus 12 additional hours in the major .......... 12

Subtotal: Major Hours ................................ 25

Specialty Support  

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201 Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202 Managerial Uses of Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

plus completion of the requirements of a Minor in Business, plus 3 additional hours of courses at the 200 level or higher selected with advisor’s approval from the following departments: ACC, AEN, AN, ASC, BAE, COM, CS, ECO, ENT, FIN, FOR, MA, MGT, MKT, PLS, PS, PSY, SOC, VS ...

Subtotal: Specialty Support Hours .............. 21

Electives

Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives  minimum of 23

TOTAL HOURS: ........................................ 120

BACHELOR OF SCIENCE IN ANIMAL SCIENCES

Animals have many important roles in human societies including the provision of food and fiber, draft power, recreational and athletic activities, and companionship. In addition, animals and their interactions with humans have environmental consequences. Processing, preservation, and quality of animal-derived foods significantly affect human health and economics. Animal Sciences involves studying and applying the basic principles of nutrition, reproduction, and genetics to the production and management of animals including horses, dairy and beef cattle, sheep, swine, poultry, and other domesticated species. Additional course work provides information on production and handling of animal-derived foods.

No one program fits all Animal Sciences students. Students come from varied backgrounds and their interests range from livestock and poultry production and management to marketing and public relations; from public education and extension to graduate training in research and teaching and veterinary medicine. No matter what species you have an interest in, the Animal Sciences major will allow you to combine your interest with your desire for an exciting and rewarding career.

As an Animal Sciences major, students have the opportunity to pursue specific interests by selecting one of three study options: Animal Industry, Food Industry or Pre-Professional. The Animal Industry option is for those students interested in animal production and management and allows specialization in one of three areas: livestock, equine, or dairy. The Food Industry option is designed to provide an emphasis on aspects of food processing, chemistry, and safety. The Pre-Professional option is a rigorous study program for students with interests in veterinary sciences, human medicine, and graduate research. Students must consult the pre-professional advisor or graduate school advisor of the university to which they intend on applying for additional or specific requirements.

Career Opportunities

To keep pace with the food, fiber, and recreation requirements of a growing world population, Animal Sciences graduates are needed in the livestock industry and closely related fields. The Animal Sciences major offers considerable flexibility in fulfilling specific career objectives, whether you are interested in working directly with livestock or indirectly in closely related areas such as agribusiness, research, government, or education.

Graduation Requirements

To earn the Bachelor of Science in Animal Sciences, the student must have a minimum of 120 credit hours with at least a 2.0 grade-point standing. A minimum of 45 credit hours must be from upper division courses (300 and above). Remedial courses may not be counted toward the total hours required for the degree. In addition to UK Core requirements, students must complete college, departmental and specialty support requirements.

Plan of Study

As an animal sciences major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program. Consult your academic advisor in developing your Plan of Study.

Each student must complete the following:

College Required Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: College Required Hours ............... 3

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list .......... 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list .......... 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list .......... 3

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Major Requirements

ASC 101 Domestic Animal Biology ............................... 3
ASC 102 Applications of Animal Science .................. 3
ASC 205 Livestock, People and Their Interactions ..... 1
ASC 325 Animal Physiology ...................................... 3
ASC 362 Animal Genetics ........................................... 4
ASC 346 Reproductive Physiology of Farm Animals ... 4
ASC 378 Animal Nutrition and Feeding ...................... 4
ASC 470 Capstone for Animal Agriculture .................. 3

plus at least three of the following courses:
ASC 340 Poultry Production .................................. 2
ASC 4040P Sheep Science ..................................... 4
ASC 406 Beef Cattle Science .................................. 4
ASC 408G Swine Production .................................. 2
ASC 410G Equine Science ....................................... 3
ASC 420G Dairy Cattle Science .............................. 4

*Subtotal: Major Hours ............................ 32-36

Option A: Animal Industry

Students fulfilling the Major Requirements are eligible for the Animal Industry Option by taking certain required Specialty Support Courses (see below). In addition, students with more specific interests may, but are not required to, choose from three specializations available within this Option.

No Specialization

(required Specialty Support only; see below) .................. 0

Livestock Specialization

ASC 300 Meat Science .......................................... 4
and at least two from:
ASC 340 Poultry Production .................................. 2
ASC 4040P Sheep Science ..................................... 4
ASC 406 Beef Cattle Science .................................. 4
ASC 408G Swine Production .................................. 2

Equine Specialization

ASC 310 Equine Anatomy and Conformation ................ 2
ASC 320 Equine Management .................................. 3
ASC 410G Equine Science ....................................... 3

Dairy Specialization

ASC 420G Dairy Cattle Science ................................ 3
ASC 546 Milk Secretion ......................................... 3

*Subtotal: Specialty Support .............................. 18-24

Electives

Electives should be selected to complete the 120 hours required for graduation.

Subtotal: Electives ................................. minimum of 19

TOTAL HOURS: ..................................................... 120

BACHELOR OF SCIENCE IN
BIOSYSTEMS ENGINEERING

The BioSystems Engineering curriculum is administered jointly by the College of Agriculture and the College of Engineering. BioSystems Engineering provides an essential link between the biological sciences and the engineering profession. This linkage is necessary for the development of food and fiber production and processing systems which preserve our natural resource base. Students in the bioystems engineering program can pursue one of four areas of specialization: Bioenvironmental Engineering, Food and Bioprocess Engineering, Machine Systems Automation Engineering and Thermal Environmental Engineering.

The degree requirements and curriculum are listed in the College of Engineering section of this Bulletin.

BACHELOR OF SCIENCE IN
CAREER AND TECHNICAL
EDUCATION

The Career and Technical Education degree involves Agricultural Education and Family and Consumer Sciences Education. Students take courses in technical education and professional content.

Graduates of this degree pursue careers in both formal and informal education of agriculture or family and consumer sciences. Formal education opportunities include teaching in the middle school or high school classroom. Informal education opportunities include working in Extension and the private or public sectors of industry.

Students choose one of two options – Option A: Agricultural Education; or Option B: Family and Consumer Sciences Education. In addition to receiving the degree, graduates also attain Rank III teaching certification in Agricultural Education (Option A) or a Rank III teaching certification in Family and Consumer Sciences Education (Option B).

Both options lead to the Bachelor of Science in Career and Technical Education.

Teacher Certification

Besides receiving the B.S. in Career and Technical Education, students completing the requirements obtain a letter of endorsement to teach agricultural or family and consumer sciences education.

Requirements for teacher certification are as follows:

You must be admitted to the teacher education program (TEP) after you have completed, or
complete during the semester in which you apply, 60 semester hours of course work and AED/FCS 110 Introduction to Career and Technical Education and have at least a 2.5 grade-point standing (on a 4.0 scale). See a full description of “Admission, Retention, and Exit from Teacher Education Programs” on pages 187-188 of this Bulletin.

Applicants are evaluated on an interview, recommendations, scholastic achievement, demonstrated skills, and professional commitment and goals. A student’s progress is continuously monitored, assessed, and reviewed throughout the teacher education program as described in the Teacher Education Programs section of this Bulletin. You must successfully complete assessment items and portfolio items as required.

Further, you must successfully complete the Principles of Learning and Teaching Exam and a professional exam, scoring above cutoff scores specified by the State Board of Education for each exam. After completing these exams, students hired by Kentucky schools will complete a one-year paid internship as a first-year teacher and will be evaluated at least three times by a three-person committee before certification is completed.

Note: Because graduation and teacher certification requirements change frequently, students should obtain more complete information from their advisors.

Graduation Requirements
To earn the Bachelor of Science in Career and Technical Education, the student must have a minimum of 120 credit hours with at least a 2.5 grade-point average (required for Teacher Certification). A minimum of 45 credit hours must be from upper division courses (300 level and above). Remedial courses may not be counted toward the total hours required for the degree.

Plan of Study
As a career and technical education major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Students must complete the following:

College Required Hours
Agricultural Education option students complete the following:

- GEN 100 Issues in Agriculture ............................................ 3
- HES 100 An Introduction to Professions in Human Environmental Sciences .................................................. 1
- HES 400 Concepts in Human Environmental Sciences: Integration and Application ................................. 2

Subtotal: College Required Hours ........................................ 3

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .................................. 3

III. Intellectual Inquiry in the Social Sciences
CLD 102 The Dynamics of Rural Social Life .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................. 3

VII. Quantitative Foundations
Choose one course from approved list .................................. 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ............................................ 3

IX. Community, Culture and Citizenship in the USA
GEN 100 Issues in Agriculture ............................................. 3

X. Global Dynamics
Choose one course from approved list .................................. 3

UK Core Hours ........................................................................ 30

Major Requirements
AED/FCS 110 Introduction to Career and Technical Education .......................................................... 3
AED/FCS 362 Field Experiences in Career and Technical Education ......................................................... 3
AED/FCS 371 Advising a Career and Technical Student Organization ....................................................... 3
AED/FCS 580 Foundations of Teaching Career and Technical Education ....................................................... 3
AED/FCS 583 Designing Curriculum and Assessment in Career and Technical Education ............................. 3
AED/FCS 586 Methods of Teaching Career and Technical Education ............................................................. 3
AED/FCS 592 Teaching Experience in Career and Technical Education ......................................................... 12
EDP 203 Teaching Exceptional Learners in Regular Classrooms ................................................................. 3
FAM 357 Contemporary Adolescence ................................. 3

Oral Communication for Family and Consumer Sciences Education Option
COM 181 Basic Public Speaking or COM 252 Introduction to Interpersonal Communication ......................... 3

Subtotal: Major-Required Hours ........................................... 36-39

In addition to the Major Requirements, students choose one of two options.

OPTIONS
Option A: Agricultural Education

Option Requirements Hours

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*AEC 302 Agricultural Management Principles</td>
<td>4</td>
</tr>
<tr>
<td>ASC 101 Domestic Animal Biology</td>
<td>3</td>
</tr>
<tr>
<td>ASC 102 Applications of Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>CLD 102 The Dynamics of Rural Social Life</td>
<td>3</td>
</tr>
<tr>
<td>(or other Social Science elective)</td>
<td></td>
</tr>
<tr>
<td>ECO 201 Principles of Economics I</td>
<td></td>
</tr>
<tr>
<td>PLS 210 The Life Processes of Plants</td>
<td></td>
</tr>
<tr>
<td>PLS 366 Plant Production Systems</td>
<td>3-4</td>
</tr>
<tr>
<td>**PLS 366 Fundamentals of Soil Science</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: Option A Hours ........................................ 26-27

*ECO 201 is a prerequisite for AEC 302.
**CHE 105 is a prerequisite for PLS 366.

Specialty Support Requirements
Students must complete one additional agricultural economics course, one additional animal sciences course, one additional agricultural engineering course, two additional plant and soil sciences courses, and three additional courses in the College of Agriculture in consultation with your advisor.

Subtotal: Option A Specialty Support ........................ 24

Other agriculture majors can also qualify to teach agricultural education provided they meet current certification requirements.

Option B: Family and Consumer Sciences Education

Option Requirements Hours

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAM 251 Personal and Family Finance</td>
<td>3</td>
</tr>
<tr>
<td>FAM 252 Introduction to Family Science</td>
<td>3</td>
</tr>
<tr>
<td>FAM 253 Human Sexuality: Development, Behavior and Attitudes</td>
<td></td>
</tr>
<tr>
<td>IEC 255 Child Development</td>
<td>3</td>
</tr>
<tr>
<td>IEC 256 Guidance Strategies for Working with Young Children</td>
<td>3</td>
</tr>
<tr>
<td>FCS 350 Design Issues for Family and Consumer Sciences Educators</td>
<td></td>
</tr>
<tr>
<td>MAT 120 Textiles for Consumers</td>
<td>3</td>
</tr>
<tr>
<td>NFS 101 Human Nutrition and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>NFS 241 Food Service Sanitation</td>
<td>1</td>
</tr>
<tr>
<td>NFS 302 Principles of Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: Option B Hours ............................................. 32

Specialty Support Requirements
In consultation with your advisor, select five courses from the following list:

- CLD 401 Principles of Cooperative Extension ........... 3
- FAM 360 Introduction to Family Intervention:
  - Working with Families and Individuals ................... 3
- FAM 473 Family Life Education                        | 3     |
- FAM 544 Cultural Diversity in American Children and Families |       |
- FAM 553 Parent-Child Relationships Across the Lifecycle | 3     |
- FAM 554 Working with Parents                         | 3     |
- FAM 563 Families, Legislation and Public Policy       | 3     |

Subtotal: Option B Specialty Support ........................ 15

Electives
Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation

Subtotal: Electives ........................................ minimum of 7

Total Minimum Hours for Program ................................ 120
BACHELOR OF SCIENCE IN COMMUNITY COMMUNICATIONS AND LEADERSHIP DEVELOPMENT

Community Communications and Leadership Development is an interdisciplinary social science major. It provides students with the knowledge and skills to integrate communications, sociology, journalism, and community development theories and apply them to real-world situations involving local communities and cultural organizations.

The major focuses on such skills as written and oral communication; strategic problem solving; critical thinking; understanding of group, organizational, and community dynamics; and ethical decision making.

The agricultural communications option is a writing-based curriculum that prepares graduates for careers as communications professionals with agricultural and community-based media outlets and organizations. The public service and leadership option prepares graduates for leadership positions in public and private organizations or government agencies. Students in both options are encouraged to participate in internship opportunities.

Graduation Requirements

To earn the Bachelor of Science in Community Communications and Leadership Development, the student must have a minimum of 120 credit hours with at least a 2.0 grade-point average. A minimum of 45 credit hours must be from upper division courses (300 level and above). Remedial courses may not be counted toward the total hours required for the degree.

Plan of Study

As a community communications and leadership development major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of the Associate Dean for Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Students must complete the following:

College Required Hours

GEN 100 Issues in Agriculture ........................................ 3
Subtotal: College Required Hours ................................. 3

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list.......................... 3

III. Intellectual Inquiry in the Social Sciences
   CLD 102 The Dynamics of Rural Social Life
   or
   SOC 101 Introduction to Sociology .............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list.......................... 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II ............ 3

VII. Quantitative Foundations
   MA 111 Introduction to Contemporary Mathematics
   or
   MA 123 Elementary Calculus and Its Applications .......... 3

VIII. Statistical Inferential Reasoning
   STA 210 Making Sense of Uncertainty:
      An Introduction to Statistical Reasoning ................. 3

IX. Community, Culture and Citizenship in the USA
   GEN 100 Issues in Agriculture .................................... 3

X. Global Dynamics
   Choose one course from approved list.......................... 3

UK Core Hours ................................................................ 30

Major Requirements

CLD 102 The Dynamics of Rural Social Life ..................... 3
*CLD 250 Reading Critically and Writing Well:
   Community Communications
   and Leadership Development ........................................ 3
CLD 302 Leadership Studies ......................................... 3
CLD 320 Survey of Agricultural and Consumer Media .. 3
CLD 340 Community Interaction ................................... 3
CLD 362 Field Experience in Community
   Communications and Leadership Development ............ 3
CLD 405 Analytic Methods for Community
   Communications and Leadership Development .......... 3
CLD 420 Sociology of Communities .............................. 3
CLD 490 Seminar in Community Communications
   and Leadership Development ..................................... 3
Subtotal: Major Requirements ...................................... 27

*May be used to satisfy Graduation Writing Requirement.

In addition to the Major Requirements, students choose one of two options:

OPTIONS

Option A: Agricultural Communications

JOU 101 Introduction to Journalism ............................... 3
CLD 204 Writing for the Mass Media ............................. 3
CLD 301 News Reporting ............................................. 3
CLD 400 Agricultural Communications Campaigns ....... 3
CLD 440 Community Processes and Communication .... 3
CLD 485 Community Journalism .................................. 3
AEC 101 The Economics of Food and Agriculture .......... 3
Subtotal: Option A Hours ............................................... 21

Option B: Public Service and Leadership

PS 101 American Government ........................................ 3
AEC 305 Food and Agricultural Marketing Principles ....... 3
AEC 532 Agricultural and Food Policy .......................... 3
ECO 201 Principles of Economics I ............................... 3

Choose one of the following:
CLD 400 Agricultural Communications Campaigns ....... 3
CLD 440 Community Processes and Communication .... 3
CLD 485 Community Journalism .................................. 3

Plus 6 additional hours of courses at the 200 level or higher
to fulfill the student’s area of interest and selected
with advisor’s approval from the following departments:
PS, ANT, COM or SOC.

Subtotal: Option B Hours .............................................. 21

Specialty Support Requirements

Depending on the student’s area of interest and subject to his/her academic advisor’s approval, he/she will complete an additional 6 hours of courses in the College of Agriculture and 12 hours in communications, journalism and related areas; students may take CLD 401 as one of these courses. The majority of these courses must be at the 300+ level.

Subtotal: Option B Specialty Support ......................... 18

Electives

Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives ......................................................... 30

Total Minimum Hours for Program ................................ 120

BACHELOR OF SCIENCE IN EQUINE SCIENCE AND MANAGEMENT

The horse industry is a dynamic industry that encompasses not only the breeding, raising and training of horses but also the development of activities for the use of the horse in sports and recreation. The industry has a significant economic impact across the U.S. and world-wide.

Equine science and management involves the study and application of science and business concepts to the horse industry. Additional course work supports learning in areas that aid in breeding and raising horses and marketing the industry. Students come from varied equine backgrounds but have a common interest in the horse. Regardless of which breed of horse or activity focus students have, equine science and management majors will have the opportunity to combine their interest in the horse with a desire to become active participants in the horse industry by selecting either the equine science option or the equine management option.

The equine science option is for students who have a primary interest in horse production. The equine management option is designed for students who are interested in the business aspect of the horse industry. Students in equine science and management considering a career in veterinary medicine or graduate research can meet those goals in the degree program as well. Interested students need to consult with an advisor to ensure all specific academic requirements are met.
Career Opportunities
The horse industry is continually changing. Equine science and management graduates are needed in all aspects of the industry including production, business management and other related support industries.

Graduation Requirements
To earn the Bachelor of Science in Equine Science and Management, the student must have a minimum of 120 credit hours with at least a 2.0 grade-point average. A minimum of 45 credit hours must be from upper division courses (300 level and above). Remedial courses may not be counted toward the total hours required for the degree.

Plan of Study
As an equine science and management major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of the Associate Dean for Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Students must complete the following:

<table>
<thead>
<tr>
<th>College Required Hours</th>
<th>UK Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.</td>
</tr>
</tbody>
</table>
|                        | I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list | 3 |
|                        | II. Intellectual Inquiry in the Humanities
Choose one course from approved list | 3 |
|                        | III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list | 3 |
|                        | IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
*CHE 105 General College Chemistry I | 3 |
*CHE 111 Laboratory to Accompany General Chemistry I | 3 |
|                        | V. Composition and Communication I
CIS/WRD 110 Composition and Communication I | 3 |
|                        | VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II | 3 |
|                        | VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications | 3-4 |
MA 113 Calculus I | 3-4 |
|                        | VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning | 3 |
|                        | IX. Community, Culture and Citizenship in the USA
GEN 100 Issues in Agriculture | 3 |
|                        | X. Global Dynamics
Choose one course from approved list | 3 |

<table>
<thead>
<tr>
<th>UK Core Hours</th>
<th>30-32</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CHE 105/111 are part of the premajor requirement for Option A: Equine Science. Students pursuing Option B: Equine Management should choose from the approved list of courses to fulfill this area.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option A: Equine Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premajor Requirements</td>
</tr>
<tr>
<td>BIO 150 Principles of Biology I</td>
</tr>
</tbody>
</table>
BIO 152 Principles of Biology II | 3 |
CHE 105 General College Chemistry I | 3 |
CHE 107 General College Chemistry II | 3 |
CHE 111 Laboratory to Accompany General Chemistry I | 1 |
CHE 113 Laboratory to Accompany General Chemistry II | 2 |
ECO 201 Principles of Economics I | 3 |
MA 123 Elementary Calculus and Its Applications | 3-4 |
| or MA 113 Calculus I | 3-4 |
| Subtotal: Premajor Hours | 21-22 |

<table>
<thead>
<tr>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC 101 Domestic Animal Biology</td>
</tr>
</tbody>
</table>
EQM 101 Introduction to the Horse and the Horse Industry | 2 |
EQM 105 Equine Behavior and Handling | 2 |
ASC 4106 Equine Science | 3 |
EQM 351 Equine Health and Diseases | 3 |
EQM 399 Equine Science and Management Internship | 3 |
ASC 4106 Equine Science | 3 |
EQM 490 Capstone in Equine Science and Management | 3 |
AEC 302 Agricultural Management Principles | 4 |
| Subtotal: Major Hours | 28 |

<table>
<thead>
<tr>
<th>Option A Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 236 Survey of Organic Chemistry</td>
</tr>
</tbody>
</table>
ASC 325 Animal Physiology | 3 |
ASC 364 Reproductive Physiology of Farm Animals | 4 |
ASC 378 Animal Nutrition and Feeding | 4 |
PLS 366 Fundamentals of Soil Science | 4 |
PLS 510 Forage Management and Utilization | 3 |

| Subtotal: Option A Hours | 21 |

<table>
<thead>
<tr>
<th>Specialty Support Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The student will choose, in consultation with an advisor, at least 18 hours of courses at the 200 level or above that will strengthen the program in an area of importance to the student. To aid in developing this area of study, a list of suggested courses is available to advisors. The list includes courses in animal sciences, plant and soil sciences, biosystems and agricultural engineering, agricultural economics plus other areas of study at UK.</td>
</tr>
</tbody>
</table>

| Subtotal: Option A Specialty Support | 18 |

<table>
<thead>
<tr>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation</td>
</tr>
</tbody>
</table>

| Subtotal: Electives | minimum of 4 |
| Total Minimum Hours for Program | 120 |
Food science is the study of the transformation of biological materials into food products acceptable for human consumption. This requires studying diverse scientific disciplines related to food, including chemistry, engineering, microbiology, biochemistry, toxicology, and management, and effectively applying the industrial and practical aspects to product development, food processing, preservation, and marketing. The program is administered by the Department of Animal and Food Sciences and offers training in the basic sciences and in the fundamentals of food science.

Career opportunities in food industries include: management, research and development of new food products and ingredients, process supervision, quality control, procurement, distribution, sales, and merchandising. Positions include sales and services in allied industries; consulting and trade association activities; and promotional and educational services. Governmental agencies employ food scientists whose work is directed towards research, regulatory control, and the development of food standards.

Graduation Requirements

To earn the Bachelor of Science in Food Science, the student must complete a minimum of 128 semester hours with at least 45 hours from courses at the 300 level and above. A 2.0 grade-point standing (on a 4.0 scale) is necessary and remedial courses may not be counted toward the total hours required for the degree.

The Food Science program meets the requirements for accreditation by the Institute of Food Technologists and the National Organization of Food Science Professionals.

Plan of Study

As a food science major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your Plan during the first semester you are enrolled in the program.

Consult your academic advisor in developing your Plan of Study.

Each student must complete the following:

**College Required Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: College Required Hours** 3

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

- CHE 105 General College Chemistry I
- CHE 111 Laboratory to Accompany General Chemistry I

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 

VII. Quantitative Foundations

- MA 123 Elementary Calculus and Its Applications
- MA 113 Calculus I
- MA 137 Calculus I

VIII. Statistical Inferential Reasoning

STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 

IX. Community, Culture and Citizenship in the USA

GEN 100 Issues in Agriculture 

X. Global Dynamics

Choose one course from approved list 

UK Core Hours 31-32

Premajor Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 132 Calculus for the Life Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIO 208 Principles of Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 209 Introductory Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHE 236 Survey of Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>NFS 212 Introductory Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PHY 211 General Physics</td>
<td>5</td>
</tr>
<tr>
<td>STA 291 Statistical Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: Premajor Hours** 22

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSC 107 Introduction to Food Science</td>
<td>3</td>
</tr>
<tr>
<td>AEN 340 Principles of Food Engineering</td>
<td>4</td>
</tr>
<tr>
<td>NFS 311 Nutritional Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BCH 401G Fundamentals of Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>FSC 306 Introduction to Food Processing</td>
<td>4</td>
</tr>
<tr>
<td>FSC 434G Food Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>FSC 530 Food Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>FSC 535 Food Analysis</td>
<td>4</td>
</tr>
<tr>
<td>FSC 536 Advanced Food Technology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: Major Hours** 31

Specialty Support

Students must select 22 credits from the following suggested list of support courses:

- AEC 201 Introduction to Farm and Natural Resource Finance 3
- AEC 305 Food and Agricultural Marketing Principles 3
- AEB/ENT 360 Genetics 3
- CS 101 Introduction to Computing I 3
- ECO 201 Principles of Economics I 3
- FSC 304 Animal Derived Foods 5
- FSC 395 Special Problem in Animal Science/Food Science 1-4

FSC 399 Experiential Learning in Animal Sciences/Food Science 1-6

FSC 430G Sensory Evaluation of Foods 3

FSC 538 Food Fermentation and Thermal Processing 4

FSC 540 Food Sanitation 3

NFS 304 Experimental Foods 3

**Subtotal: Specialty Support** 22 Electives

E elective courses should be selected by the student to lead to the minimum total of 128 hours required for graduation.

**Subtotal: Electives** minimum of 15

**TOTAL HOURS:** 128

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**BACHELOR OF SCIENCE IN FORESTRY**

Kentucky boasts many forested areas with famous reputations, such as Natural Bridge, Red River Gorge, Daniel Boone National Forest, and Robinson Forest. Robinson Forest is one of the largest research and educational forests in the eastern United States. It is managed by the Department of Forestry, and as a forestry student at the University of Kentucky all of its resources will be available to you as a unique outdoor laboratory.

The missions of the Department of Forestry are to identify and address the challenges and opportunities facing sustained management of our renewable natural resources, including forests, soils, water, and wildlife. These missions involve three interrelated functions: research, extension, and education. The research goal of the department is to obtain basic and applied information leading to wise and effective management of our natural resources. Forestry extension seeks to inform land owners and the general public about forest stewardship. Forestry education prepares students for careers as forestry and natural resource professionals. The objectives of the required courses in the forestry curriculum are to educate and train students in the communication, managerial, scientific, processing, and administrative skills and principles related to the stewardship and utilization of renewable natural resources. Accomplishment of these objectives will ensure a continuing supply of entry-level professionals for Kentucky and the nation.

The undergraduate (B.S.) program leading to the professional degree in forestry is accredited by the Society of American Foresters (SAF). SAF is the specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation as the accrediting agency for forestry in the United States. Additionally, you may become certified by The Wildlife Society if you choose appropriate elective courses.

**Career Opportunities**

Forestry graduates are employed as professional foresters in private forest industries and organizations, consulting companies, and public agencies, federal and state agencies, government, industry, recreation, and education. Graduates become area managers, municipal forest managers, landowners, and professional foresters in private forest industries and organizations.
agencies, including the U.S. Forest Service, Soil Conservation Service, and state, county, or urban forestry programs. Graduates are also qualified to be research technicians in government, university, and private laboratories, or may continue their studies in specialized graduate programs.

The inclusion in the curriculum of management and processing principles makes UK forestry graduates attractive to the forest products industry; graduates are often employed as technical specialists, managers, and marketing and wood procurement personnel.

**Graduation Requirements**

To earn the Bachelor of Science in Forestry, the student must complete a minimum of 121 semester hours. Eight of these hours are earned while attending a Summer Camp between the third and fourth academic years. A 2.0 grade-point standing (on a 4.0 scale) is necessary and remedial courses may not be counted toward the total hours required for the degree. Students will complete a field semester in the spring of their junior year. Throughout the spring field semester, students will visit numerous sites to see different ecosystems in the region. Students will periodically return to one site, or sample property, that will be used for in-depth analysis to show integration and application of field semester concepts.

The curriculum consists of UK Core requirements, preprofessional, professional, and specialty support components. Preprofessional, professional, and specialty support courses provide the skills and understanding to manage forest resources. Electives, chosen with the assistance of your advisor, strengthen your knowledge of basic principles in areas of special interest to you.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ............................. 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ............................. 3

**III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ............................. 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
BIO 103 Basic Ideas of Biology .................................... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I .......... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II .......... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ............................. 3

**VIII. Statistical Inferential Reasoning**  
Recommended:  
STA 210 Making Sense of Uncertainty:  
An Introduction to Statistical Reasoning ....................... 3

**IX. Community, Culture and Citizenship in the USA**  
GEN 100 Issues in Agriculture .................................... 3

**X. Global Dynamics**  
Choose one course from approved list ............................. 3

**UK Core Hours** .................................................... 30

**Premajor Requirements**  
**Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>BIO 103 Basic Ideas of Biology or BIO 150 Principles of Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 104 Introductory General Chemistry or CHE 105 General College Chemistry I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: Premajor Hours** ........................................ 9

**Major Requirements**  
**Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR 110 Natural Resource Issues</td>
<td>1</td>
</tr>
<tr>
<td>FOR 150 Computer Applications in Natural Resource Professions</td>
<td>2</td>
</tr>
<tr>
<td>FOR 200 Basics of Geospatial Technology</td>
<td>2</td>
</tr>
<tr>
<td>FOR 219 Dendrology</td>
<td>4</td>
</tr>
<tr>
<td>FOR 230 Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>FOR 240 Forestry and Natural Resource Ethics</td>
<td>2</td>
</tr>
<tr>
<td>FOR 250 Statistics and Measurements I</td>
<td>3</td>
</tr>
<tr>
<td>FOR 260 Forest Products and Wood Science</td>
<td>4</td>
</tr>
<tr>
<td>FOR 280 Forest Policy</td>
<td>2</td>
</tr>
<tr>
<td>FOR 310 Introduction to Forest Health and Protection</td>
<td>3</td>
</tr>
<tr>
<td>FOR 320 Forest Valuation and Economics</td>
<td>3</td>
</tr>
<tr>
<td>FOR 330 GIS and Spatial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FOR 340 Forest Ecology</td>
<td>4</td>
</tr>
<tr>
<td>FOR 350 Silviculture</td>
<td>4</td>
</tr>
<tr>
<td>FOR 355 Forest Fire Control and Use</td>
<td>1</td>
</tr>
<tr>
<td>FOR 356 Landscape Assessment</td>
<td>5</td>
</tr>
<tr>
<td>FOR 357 Inventory and Measurements II</td>
<td>2</td>
</tr>
<tr>
<td>FOR 358 Silvicultural Practices</td>
<td>3</td>
</tr>
<tr>
<td>FOR 359 Forest Operations and Utilization</td>
<td>3</td>
</tr>
<tr>
<td>FOR 370 Wildlife Biology and Management</td>
<td>4</td>
</tr>
<tr>
<td>FOR 400 Human Dimensions of Forestry and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>FOR 425 Forest Management</td>
<td>4</td>
</tr>
<tr>
<td>FOR 460 Forest Hydrology and Watershed Management</td>
<td>4</td>
</tr>
<tr>
<td>FOR 470 Interdependent Natural Resource Issues</td>
<td>3</td>
</tr>
<tr>
<td>FOR 480 Integrated Forest Resource Management</td>
<td>5</td>
</tr>
<tr>
<td>PLS 366 Fundamentals of Soil Science</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: Major Hours** ............................................. 81

**Electives**  
Elective courses should be selected by the student to lead to the minimum total of 121 hours required for graduation.

**Subtotal: Electives** ............................................... 2

**TOTAL HOURS:** .................................................... 121

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### BACHELOR OF SCIENCE IN HORTICULTURE, PLANT AND SOIL SCIENCES

The Horticulture, Plant and Soil Sciences degree program is designed to provide students with the knowledge and skills needed for a career in the production and management of plants and soils for food, fiber, forage, oil, recreation, landscaping and the enhancement of the human environment. Graduates have the technical and scientific skills as well as the communication, computational, leadership, and interpersonal capabilities necessary to function effectively as professionals. Careers are as diverse as they are challenging. Each Option prepares graduates for specific professional opportunities.

**Options**

- Students pursuing a Horticulture, Plant and Soil Sciences degree may choose from the following Options:
  - Horticulture Enterprise Management
  - Turfgrass Science
  - Crops and Livestock
  - Crop, Soil and Horticulture Science

**Graduation Requirements**

Students must complete a minimum of 120 semester credit hours with at least 45 credit hours from courses at the 300 level or above. A 2.0 grade-point standing (on a 4.0 scale) is necessary and remedial courses may not be counted toward the total hours required for the degree. In addition to the UK Core and college requirements, students must select an Option with the assistance of an advisor and fulfill the area’s program requirements.

**Plan of Study**

As a horticulture, plant and soil sciences major you are required to develop an acceptable *Plan of Study* during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Consult your academic advisor in developing your Plan of Study.

**College Required Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: College Required Hours** ................................ 3

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ............................. 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ............................. 3

**III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ............................. 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
BIO 103 Basic Ideas of Biology .................................... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I .......... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II .......... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ............................. 3

**VIII. Statistical Inferential Reasoning**  
Recommended:

- STA 210 Making Sense of Uncertainty:  
  An Introduction to Statistical Reasoning ....................... 3

---

**TOTAL HOURS:** .................................................... 81

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VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and
Its Applications ...................................................... 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning .......... 3

IX. Community, Culture, and Citizenship in the USA
GEN 100 Issues in Agriculture .................................. 3

X. Global Dynamics
PLS 104 Plants, Soils and People:
A Science Perspective ................................................ 3
UK Core Hours ......................................................... 31

In addition, the student must submit a proposed plan of study for the junior and senior years.

Premajor Requirements
CHE 105 General College Chemistry I ......................... 3
CHE 107 General College Chemistry II ...................... 3
CHE 111 Laboratory to Accompany
General Chemistry I .................................................. 1
CHE 113 Laboratory to Accompany
General Chemistry II ............................................... 2
MA 123 Elementary Calculus and
Its Applications ...................................................... 3
WRD 203 Business Writing ........................................... 3
Subtotal: Premajor Hours ............................................. 15

Students choose one of four Options in the Horticulture, Plant and Soil Science program – Horticulture Enterprise Management; Turfgrass Science; Crops and Livestock; and Crop, Soil and Horticulture Science. All students take the Major Requirements listed below. Then, depending on their Option, take specific courses and 21 hours of Specialty Support courses, some of which may be specified. Option requirements follow Major Requirements.

Major Requirements
PLS 104 Plants, Soils, and People:
A Science Perspective ................................................ 3
PLS 210 The Life Processes of Plants .............................. 3
(CHE 107/113) ............................................................... 3
PLS 366 Fundamentals of Soil Science ......................... 4
PLS 386 Plant Production Systems ................................ 4
PLS 395 Special Problems in Plant and Soil Science .... 3
PLS 399 Experimental Learning in
Plant and Soil Science ................................................ 3
PLS 404 Integrated Weed Management ....................... 3
PLS 470G Soil Nutrient Management ......................... 2
PLS 490 Topics in Plant and Soil Science ................. 3
Students in the Crop, Soil and Horticulture Science Option take BIO 150/152.
Subtotal: Major Hours ........................................... 30-33

Options
Horticulture Enterprise Management Option
PLS 100 An Introduction to Horticulture Professions ...... 1
PLS 440 Plant Propagation ......................................... 3
PLS 465 Greenhouses and
Controlled Environments ........................................... 3
PLS 520 Fruit and Vegetable Production ...................... 3
PPA 400G Principles of Plant Pathology ....................... 3
Select 9 credit hours from the following courses:
PLS 320 Woody Horticultural Plants ......................... 4
PLS 330 Herbaceous Horticultural Plants I ................. 2
PLS 332 Herbaceous Horticultural Plants II ............... 2
PLS 352 Nursery Production ....................................... 3
PLS 451 Landscape Management and
Arboriculture ............................................................. 3
PLS 515 Turf Management .......................................... 3
PLS 525 Greenhouse Floral Crop Management ............ 3
Other PLS courses with consent of advisor
Subtotal: Option Hours ............................................. 23

Specialty Support Requirements
Select 21 hours of courses with consent of advisor ...... 21
Subtotal: Specialty Support .......................................... 21

Electives
Elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.
Subtotal: Electives .................................................... 3
TOTAL HOURS: ....................................................... 120

Turfgrass Science Option
PLS 514 Grass Taxonomy and Identification ................. 3
PLS 515 Turf Management ......................................... 3
PPA 400G Principles of Plant Pathology ....................... 3
Select additional 9 credit hours of PLS courses .......... 9
Subtotal: Option Hours ............................................. 18

Specialty Support Requirements
ENT 320 Horticultural Entomology ......................... 3
CHE 226 Analytical Chemistry ................................. 3
CHE 236 Survey of Organic Chemistry ...................... 3
Select additional 15 credit hours of specialty support
in consultation with academic advisor .................... 15
Subtotal: Specialty Support .......................................... 21

Electives
Elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.
Subtotal: Electives .................................................... 3
TOTAL HOURS: ....................................................... 120

Crops and Livestock Option
PLS 510 Forage Management and Utilization ............ 3
Select 15 credit hours of additional PLS courses ........ 15
Subtotal: Option Hours ............................................. 18

Specialty Support Requirements
CHE 236 Survey of Organic Chemistry .................... 3
Earn a minor in Animal Science .................................. 3

Minor in Animal Sciences
Prerequisites
Note that several classes in both Group A and Group B have prerequisites beyond ASC 101. These are indicated in parenthesis following the courses below. Students taking the minor are responsible for satisfying the prerequisites.

Minor Requirements
ASC 101 Domestic Animal Biology ............................ 3
ASC 102 Applications of Animal Science ................. 3
Additional Course Work
At least 9 credit hours must be selected from the list that follows (Groups A and B). At least one course must be selected from Group A and one course from Group B.

Group A
ASC 300 Meat Science ............................................. 4
ASC 325 Animal Physiology (BIO 152 and
CHE 107/113) .......................................................... 4
ASC 362 Animal Genetics ........................................... 4
ASC 364 Reproductive Physiology of Farm Animals (CHE 230 or 236) .................................................. 4
ASC 378 Animal Nutrition and Feeding
(CH E 230 or 236) ..................................................... 4

Group B
ASC 340 Poultry Production .................................... 2
ASC 404G Sheep Science (ASC 300, 362, 364) ........ 4
ASC 406 Beef Cattle Science (ASC 300, 362, 364) .. 4
ASC 408G Swine Production (ASC 367) .................. 2
ASC 410G Equine Science (ASC 362, 364) ................. 3
ASC 420G Dairy Cattle Science (ASC 362, 364) ......... 3

Total Hours Required ............................................... 15

Additional specialty support classes may be selected in consultation with your academic advisor for a total of 21 hours in specialty support.
Subtotal: Specialty Support .......................................... 21

Electives
Elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.
Subtotal: Electives .................................................... 3
TOTAL HOURS: ....................................................... 120

Crop, Soil and Horticulture Science Option
Select 18 hours of PLS courses with consent of advisor ..... 18
Subtotal: Option Hours ............................................. 18

Specialty Support Requirements
CHE 226 Analytical Chemistry ................................. 3
CHE 236 Survey of Organic Chemistry .................... 3
STA 291 Statistical Methods ....................................... 3
Select additional 15 credit hours from following list or other science courses selected with consent of advisor:
BIO 304 Principles of Genetics ................................ 4
BIO 308 General Microbiology ................................. 3
BIO 315 Introduction to Cell Biology ......................... 4
BIO 430G Plant Physiology ....................................... 4
GLY 220 Principles of Physical Geology .................... 4
PHY 211 General Physics ........................................... 5
PHY 213 General Physics ........................................... 5
CHE 231 Organic Chemistry Laboratory I .................. 2
CHE 232 Organic Chemistry II .................................. 3
CHE 233 Organic Chemistry Laboratory II ............... 2
Subtotal: Specialty Support .......................................... 21

Electives
Elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.
Subtotal: Electives .................................................... 3
TOTAL HOURS: ....................................................... 120

University of Kentucky 2011-2012 Undergraduate Bulletin
BACHELOR OF SCIENCE IN LANDSCAPE ARCHITECTURE

The profession of landscape architecture has grown out of the tradition of the great garden designers of Italy, France, England, and China to encompass the art and science of design, planning, and management of the land. The science of landscape architecture is concerned with the conservation and management of natural resources. The art of landscape architecture is concerned with the creation of more enjoyable, comfortable, and safe outdoor areas where human use requires adaptation of the natural environment.

This five-year professional program is accredited by the American Society of Landscape Architects and meets all the requirements for licensing of landscape architect in Kentucky and other states. Landscape architecture employment opportunities may be found in the designing of urban communities, plazas, university campuses, institutional grounds, parks and recreational areas, commercial and industrial sites, and residential communities, as well as in the areas of historic preservation, regional planning, and mine reclamation.

Admission Requirements

Admission to the University of Kentucky and to the College of Agriculture does not guarantee admission to the Landscape Architecture program. All applicants must be reviewed by the Landscape Architecture Program Chairperson. The number of applicants ultimately admitted is determined by the resources available to provide high quality instruction. Applicants will be reviewed on a comparative basis. Determination of acceptability into the program is based on the following.

Entering freshmen and transfer students from other programs must:

1. submit a formal application to the Undergraduate Admissions Office indicating Landscape Architecture as your major;
2. meet the minimum criteria for admission to the University as specified in this Bulletin (The Landscape Architecture program requires a minimum of a 2.0 grade-point average on a 4.0 scale for eligibility to transfer into the program); and
3. submit a portfolio for review which, combined with an evaluation of courses completed, will determine acceptance into the program as well as the level to which the student will be accepted.

Graduation Requirements

To earn a Bachelor of Science degree in Landscape Architecture, the student must have 145 semester hours with at least a 2.0 grade-point average (on a 4.0 scale). Remedial courses may not be counted toward the total hours required for graduation. In addition to satisfying the UK Core requirements, each student must complete a major in Landscape Architecture program policy requires a student to achieve a C grade or better in major design studios in order to advance to the next level.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

LA 111 Living on the Right Side of the Brain ............ 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list .................... 3

III. Intellectual Inquiry in the Social Sciences

ECO 101 Contemporary Economic Issues
or
SOC 101 Introduction to Sociology ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

GLY 110 Endangered Planet: An Introduction to Environmental Geology
or
GLY 120 Sustainable Planet: The Geology of Natural Resources ............................................. 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations

Choose one course from approved list .................... 3

VIII. Statistical Inferential Reasoning

STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ......................... 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list .................... 3

X. Global Dynamics

Choose one course from approved list .................... 3

UK Core Hours .................................................. 30

Premajor Requirements Hours
AEN 103 Basic Principles of Surveying .................. 2
* An approved course in AutoCAD ......................... 3
ECO 101 Contemporary Economic Issues
or
SOC 101 Introduction to Sociology ......................... 3
GLY 110 Endangered Planet: An Introduction to Environmental Geology
or
GLY 220 Principles of Physical Geology
or
GLY 101 Physical Geology and
GLY 111 Laboratory for Physical Geology .............. 3-4

Subtotal: Premajors Hours ................................. 11-12

* An AutoCAD course is not currently available at UK. Students should pursue fulfilling this requirement either at UK with CE 106, Computer Graphics and Communication, or by completing an AutoCAD course at the Bluegrass Community and Technical College or other academic institution prior to the start of the third year in the Landscape Architecture program.

Departmental Professional Requirements

LA 205 History of Landscape Architecture ............... 3
LA 206 Contemporary Landscape Architecture .......... 3
LA 821 Landscape Architecture Design Studio I ........ 6
LA 822 Landscape Architecture Design Studio II ...... 6
LA 833 Landscape Architecture Design Studio III ..... 6
LA 834 Landscape Architecture Design Studio IV ....... 6
LA 841 Landscape Architecture Design Studio V ...... 6
LA 842 Landscape Architecture Design Studio VI ...... 6
LA 871 Design Implementation I ............................. 4
LA 872 Design Implementation II ............................ 4
LA 973 Advanced Design Implementation ............... 6
LA 975 Advanced Landscape Architecture Studio ...... 6

Students must complete four courses at the 800 level and two courses at the 900 level from the following:

LA 850 Landscape Architecture Graphics ................. 3
LA 851 Design with Plants .................................... 3
LA 853 History and Theory of Urban Form ............... 3
LA 854 Historic Landscape Preservation ................. 3
LA 855 Geographic Information Systems and Landscape Analysis ............................................. 3
LA 857 Design Theories in Landscape Architecture ... 3
LA 858 Regional Land Use Planning Systems .......... 3
LA 895 Independent Work in Landscape Architecture ............................................................. 1-6
LA 952 Advanced Landscape Architectural
Graphic Communication ........................................ 3
LA 956 Advanced Geographic Information Systems (GIS) and Landscape Analysis ..................... 3
LA 959 Advanced Regional Land Use Planning Applications ......................................................... 3
LA 971 Senior Project ............................................ 3

Subtotal: Major Hours .................................. 80

Specialty Support Requirements

LA 941 Professional Practice ................................. 3
PLS 220 Introduction to Plant Identification .............. 3
PLS 320 Woody Horticultural Plants ....................... 4
One course in ecology from the following:
BIO 325 Ecology ................................................. 4
FOR 230 Conservation Biology .............................. 3
FOR 340 Forest Ecology ........................................ 4
BIO 361 Ecology of the Kentucky Flora and Vegetation ......................................................... 3
Or other approved ecology-focused course with approval of student’s advisor
One course in soil science from the following:
PLS 366 Fundamentals of Soil Science ..................... 4
FOR 205 Forest and Wildland Soils and Landscapes .................. 4
The program in Natural Resources and Environmental Science is designed to provide students with the knowledge and skills needed for a career in the rapidly growing fields of environmental science and policy. As the world population grows, and as nations are drawn closer together through technology and trade, the conservation and management of natural resources will become increasingly important to the sustained well-being of all societies. The curriculum provides students with exposure to a broad array of key disciplines involved with natural resources. As a result, graduates have the capacity to integrate different perspectives and diverse bodies of knowledge in dealing with real resource management problems.

All students in the program share a common core of major requirements. This core is designed to provide the student with broad exposure to the technical and socioeconomic dimensions of natural resources and their management. Important components of this core are required three-week summer camp after the sophomore or junior year and a required internship or research experience. In addition to this core, all students must develop a Concentration Area consisting of at least 18 hours of course work. This Concentration Area allows the student to focus the environmental and management aspects of natural resource management. These courses must be chosen in consultation with the academic advisor and must be approved by the advisor and the NRES Steering Committee as part of the plan of study for the student.

Graduates of the Natural Resources and Environmental Science degree program are employed as professionals in both the public and private sectors. Industries which have an impact upon the environment maintain a staff of environmental scientists and technicians to ensure compliance with the standards of our society. Government agencies employ broadly trained natural resource scientists to serve in regulatory or management functions for the resources in their jurisdiction. Additional employment opportunities exist in environmental journalism and education, and with the many nonprofit organizations which have environmental concerns. In addition, students in either option are well prepared for graduate programs dealing with resource and environmental issues and in traditional academic disciplines.

Graduation Requirements
To earn a Bachelor of Science in Natural Resources and Environmental Science, the student must complete at least 120 semester hours with at least a 2.0 grade-point standing. A minimum of 45 credit hours must be from upper division courses (300 and above). Remedial courses may not be counted toward the total hours required for the degree. In addition to the UK Core requirements, the student must complete college, premajor, major and concentration requirements, including an internship or research experience. The student will construct their concentration area with the approval of a faculty advisor in the area of interest.

Plan of Study
As a Natural Resources and Environmental Science major, you are required to work with your advisor to develop a complete Plan of Study during your sophomore year for your junior and senior years. The plan will be signed by your advisor, approved by the NRES Steering Committee, and placed in your file in the Office of the Associate Dean for Academic Programs. If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list

II. Intellectual Inquiry in the Humanities
Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I
CHE 111 Laboratory to Accompany General Chemistry I

V. Composition and Communication I
CIS-WRD 110 Composition and Communication I

VI. Composition and Communication II
CIS-WRD 111 Composition and Communication II

VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning

IX. Community, Culture and Citizenship in the USA
GEN 100 Issues in Agriculture

X. Global Dynamics
Choose one course from approved list

UK Core Hours

Subtotal: College Required Hours

Bachelor of Science in Natural Resources and Environmental Science

Subtotal: Electives

TOTAL HOURS: 145

BACHELOR OF SCIENCE IN NATURAL RESOURCES AND ENVIRONMENTAL SCIENCE

Premajor Requirements

AEC 424 Principles of Environmental Law
AEC 445G Introduction to Resource and Environmental Economics
CHE 111 Laboratory to Accompany General Chemistry I
CHE 105 General College Chemistry I
CHE 107 General College Chemistry II
CHE 111 Laboratory to Accompany General Chemistry I
CHE 113 Laboratory to Accompany General Chemistry II
ECO 201 Principles of Economics I
GLY 220 Principles of Physical Geology
MA 123 Elementary Calculus and Its Applications
STA 291 Statistical Methods

Subtotal: Premajor Hours

Major Requirements

Premajor Requirements Hours
BIO 150 Principles of Biology I
BIO 152 Principles of Biology II
CHE 105 General College Chemistry I
CHE 107 General College Chemistry II
CHE 111 Laboratory to Accompany General Chemistry I
CHE 113 Laboratory to Accompany General Chemistry II
ECO 201 Principles of Economics I
GLY 220 Principles of Physical Geology
MA 123 Elementary Calculus and Its Applications
STA 291 Statistical Methods

Electives

Choose one course from approved list

Subtotal: Specialty Support

Minimum of 20 hours required for graduation.

Subtotal: Electives

Minimum of 5 hours

TOTAL HOURS: 145
Analytical Skill Development and Environmental System Emphasis Areas

Students must take nine hours in one of four Analytical Skill Development Areas and nine hours in one of seven Environmental System Emphasis Areas. A total of seven hours of 300-level and above courses must be completed between the Analytical Skill Development section and the Environmental System Emphasis Area. Depending on the student’s interest and career goals they will select from a list of courses in specific topic areas. Courses taken to complete the Analytical Skill Development section may not count towards the Environmental System Emphasis Area and vice versa.

Analytical Skill Development Area

Economic and Policy Analysis
AEC 483 Regional Economics ..................................... 3
AEC 532 Agricultural and Food Policy ......................... 4
AEC/NRE 545 Resource and Environmental Economics ... 3
CLD/SOC 360 Environmental Sociology ....................... 3
FOR 280 Forest Policy ............................................. 2
FOR 320 Forest Valuation and Economics ..................... 3
GEO 235 Environmental Management and Policy ........... 3
GEO 455 Economic Geography .................................. 3
PS 489G The Analysis of Public Policy ...................... 3

Field and Laboratory Analysis of Ecosystems
BIO/NRE 420G Taxonomy of Vascular Plants ................. 4
BIO 452G Laboratory in Ecology ............................... 2
ENT/FOR 402 Forest Entomology ............................... 3
FOR 219 Dendrology ................................................ 4
FOR 250 Statistics and Measurements I ...................... 3
PLS 396 Soil Judging ................................................. 3
PLS/NRE 455G Wetland Delineation ......................... 3
PLS 573 Soil Morphology and Classification ................. 3
PLS 597 Special Topics in Plant and Soil Science ......... 3

Geospatial Analysis
BAE 538 GIS Applications for Water Resources ............ 3
FOR 200 Basics of Geospatial Technology ............... 2
FOR 330 GIS and Spatial Analysis .......................... 3
GEO 309 Digital Geographic Data: Sources, Characteristics, Problems, and Uses ............................................ 3
GEO 409G Geographic Information Systems and Science: Fundamentals ........................................... 3
GEO 415 Map Interpretation .................................... 3
LA 956/NRE 556 Advanced Geographic Information Systems (GIS) and Landscape Analysis .................. 3

Individualized Analytical Skill Development
A written proposal must be submitted to the NRES Steering Committee to approve courses for the Individualized Analytical Skill Development.

Environmental System Emphasis Area

Conservation Biology
BIO/PLS 210 The Life Processes of Plants .................... 3
BIO 325 Ecology .................................................... 4
BIO 361 Ecology of the Kentucky Flora and Vegetation .... 3
BIO 375 Behavioral Ecology and Sociobiology ............. 3
BIO/NRE 420G Taxonomy of Vascular Plants ................. 4
BIO/GEO 530 Biogeography and Conservation ............. 4
FOR 219 Dendrology ................................................ 4
FOR 370 Wildlife Biology and Management ................. 4
GEO 365 Special Topics in Regional Geography (Subtitle required) .................................................. 3

Forestry
*For the Forestry Environmental System Emphasis Area students must take FOR 219 Dendrology and FOR 350 Silviculture. FOR 219 can be taken as part of Analytical Skill Development but the hours will not count towards both Analytical Skill Development courses and Environmental System Emphasis Area courses.
*FOR 219 Dendrology .............................................. 4
*FOR 350 Silviculture .............................................. 4
FOR 310 Introduction to Forest Health and Protection .... 3
FOR 320 Forest Valuation and Economics .................. 3
FOR 400 Human Dimensions of Forestry and Natural Resources .......... 3
FOR 425 Forest Management .................................. 4

Human Dimensions and Natural Resource Planning
BIO/GEO 530 Biogeography and Conservation .............. 3
CLD/SOC 340 Community Interaction ......................... 3
CLD/SOC 360 Environmental Sociology ...................... 3
CLD/SOC 420 Sociology of Communities .................... 3
CLD/SOC 440 Community Processes and Communication ...... 3
ENS 400 Senior Seminar (Subtitle required) ............... 3
FOR 400 Human Dimensions of Forestry and Natural Resources ........ 3
FOR 470 Interdependent Natural Resource Issues .......... 3
GEO 285 Introduction to Planning .................................. 3
GEO 485G Urban Planning and Sustainability .............. 3
GEO 490G American Landscapes ............................ 3
GEO 531 Landscape Ecology .................................. 3
LA 858 Regional Land Use Planning Systems ............... 3
LA 959 Advanced Regional Land Use Planning Applications ........ 3

Environmental Soil Science
PLS 396 Soil Judging ................................................. 3
PLS/NRE 455G Biogeochemistry .............................. 3
PLS/NRE 455G Wetland Delineation ......................... 3
PLS 468G Soil Use and Management ......................... 3
PLS/NRE 470G Soil Nutrient Management ..................... 3
PLS/NRE 477G Land Treatment of Waste ................. 3
PLS 566 Soil Microbiology .................................. 3
PLS 573 Soil Morphology and Classification ............... 3
PLS 575 Soil Physics ............................................. 3

Water Resources
AEN 461G Biometeorology ........................................ 3
BIO 438G/CE 460 Fundamentals of Groundwater Hydrology or GYL 585 Hydrogeology ........................................ 3
BIO 532CE 542 Introduction to Stream Restoration ........... 3
BIO 538 GIS Applications for Water Resources .......... 3
BIO/GEO 530 Biogeography and Conservation ............. 3
CHE 565 Environmental Chemistry .......................... 3
GEO 230 Weather and Climate ............................... 3
GEO 451G Fluvial Forms and Processes ....................... 3
GLY 530 Low Temperature Geochemistry .................... 3
PLS/NRE 450G Biogeochemistry .............................. 3
PLS/NRE 455G Wetland Delineation ......................... 3
PLS 573 Soil Morphology and Classification ............... 3
PLS 575 Soil Physics ............................................. 3

Wildlife Management
BIO/ENT 300 General Entomology .......................... 3
BIO 304 Principles of Genetics .................................. 4
BIO 325 Ecology .................................................... 4
BIO 350 Animal Physiology or ASC 325 Animal Physiology .............. 3-4
BIO 375 Behavioral Ecology and Sociobiology ........... 3

BIO 555 Vertebrate Zoology ........................................ 5
BIO 559 Ornithology ............................................... 4
FOR 370 Wildlife Biology and Management ................. 4
PLS/NRE 455G Wetland Delineation ......................... 3

Individualized System Emphasis Area
A written proposal must be submitted by a student with an advisor’s approval to the NRES Steering Committee for an Individualized System Emphasis Area. Potential topics may include renewable energy, sustainability, or outdoor recreation. The student’s proposal should also include an explanation of how the Experiential Learning requirement will be coordinated with the Emphasis Area.

Subtotal: Analytical Skill Development and Environmental System Emphasis Areas ........................................ 18

Electives
Free elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives ..................................................... 18

TOTAL HOURS: ......................................................... 120

MINORS IN AGRICULTURE

Minor in Agricultural Economics

Preprofessional Requirement Hours
ECO 201 Principles of Economics I .................................. 3

Minor Requirements
Two courses selected from:
AEC 302 Agricultural Management Principles .............. 4
AEC 303 Microeconomic Concepts in Agricultural Economics .................. 3
AEC 305 Food and Agricultural Marketing Principles .................. 3

In addition, students should select nine hours from other agricultural economics courses. A maximum of three credit hours from AEC 311, 312, 313, 314, 315, or 341 may be credited to the minor. AEC 399 may not be included.

Minor in Animal Sciences

Prerequisites
Note that several classes in both Group A and Group B have prerequisites beyond ASC 101. These are indicated in parenthesis following the courses below. Students taking the minor are responsible for satisfying the prerequisites.

Minor Requirements Hours
ASC 101 Domestic Animal Biology ......................... 3
ASC 102 Applications of Animal Science ................. 3

Additional Course Work
At least 9 credit hours must be selected from the list that follows (Groups A and B). At least one course must be selected from Group A and one course from Group B.

Group A
ASC 300 Meat Science ........................................... 2
ASC 325 Animal Physiology (BIO 152 and CHE 107/113) ........ 3
ASC 362 Animal Genetics .......................................... 4
ASC 364 Reproductive Physiology of Farm Animals (CHE 230 or 236) ........ 4
ASC 378 Animal Nutrition and Feeding (CHE 230 or 236) ........ 4

Group B
ASC 340 Poultry Production .................................. 2
ASC 404C Sheep Science (ASC 300, 362, 364) ............... 4
ASC 406 Beef Cattle Science (ASC 300, 362, 364) ............ 4
ASC 408G Swine Production (ASC 378) ...................... 2
Minor in Community Communications and Leadership Development
The minor in Community Communications and Leadership Development requires 18 hours as follows:

**Minor Requirements**  
**Hours**  
CLD 302 Leadership Studies ........................................ 3  
CLD 320 Survey of Agricultural and Consumer Media .. 3  
Choose two of the following:  
CLD 340 Community Interaction ..................................... 3  
CLD 405 Analytic Methods for Community  
Communications and Leadership Development ............. 3  
CLD 420 Sociology of Communities ................................. 3  
CLD 440 Community Processes and Communication ... 3  

Select six additional hours in CLD at the 300 level or above in consultation with your advisor.

**Minor in Entomology**

**Preminor Requirement**  
Two semesters of introductory biology ............................ 6  

**Minor Requirements**  
Required: ........................................................................ 15  
ENT 300 General Entomology ....................................... 3  
Select the remaining credits (12 hours) from:  
ENT 310 Insect Pests of Field Crops .............................. 3  
ENT 320 Horticultural Entomology ................................. 3  
ENT 340 Livestock Entomology ..................................... 2  
ENT 360 Genetics ....................................................... 3  
ENT 395 Independent Work ......................................... 1-3  
ENT 402 Forest Entomology .......................................... 3  
ENT 530 Integrated Pest Management ........................... 3  
ENT 561 Insects Affecting Human and Animal Health .. 3  
ENT 563 Parasitology .................................................... 4  
ENT 564 Insect Taxonomy ............................................. 4  
ENT 568 Insect Behavior .............................................. 3  
ENT 574 Advanced Applied Entomology ......................... 4  

**Minor in Food Science**

**Required Courses**  
**Hours**  
FSC 535 Food Analysis or ........................................... 4  
FSC 434G Food Chemistry ........................................ 4  
FSC 530 Food Microbiology ........................................ 4  
FSC 536 Advanced Food Technology or ....................... 4  
FSC 538 Food Fermentation and Thermal Processing ... 4  

**Elective Courses**

Two of the following:  
FSC 306 Introduction to Food Processing ....................... 4  
AEN 340 Principles of Food Engineering ....................... 4  
FSC 535 Food Analysis* or ...................................... 4  
FSC 434G Food Chemistry* ...................................... 4  
FSC 536 Advanced Food Technology* or .................... 4  
FSC 538 Food Fermentation and Thermal Processing* 4  

*If not taken as one of the required courses.

**Minor in Pest Management**

**Prerequisite**  
**Hours**  
One course from the following:  
ASC 320, 404G, 406, 408G, 420G  
PLS 352, 386, 402, 408, 412, 515, 520, 525, 556 ....... 2-4  

**Minor Requirements**  
ENT 300 General Entomology ....................................... 3  
PLS 404 Integrated Weed Management ....................... 3  
PPA 400G Principles of Plant Pathology ....................... 3  
Select at least nine hours from the following:  
ENT 310 Insect Pests of Field Crops .............................. 3  
ENT 320 Horticultural Entomology ................................. 3  
ENT 340 Livestock Entomology .................................... 2  
ENT 402 Forest Entomology ........................................ 3  
ENT 530 Integrated Pest Management ........................... 3  
ENT 574 Advanced Applied Entomology ........................ 4  
PPA 595 Epidemiology and Control of Plant Diseases ........ 4  
VS 351 Principles of Animal Hygiene and Disease Control 3  
PLS 470G Soil Nutrient Management ............................ 3  
ASC 378 Animal Nutrition and Feeding ......................... 4  

**Minor in Plant and Soil Science**

**Preminor Requirement**  
**Hours**  
CHE 105 General College Chemistry I .......................... 3  

**Minor Requirements**  
Required: ........................................................................ 18  
PLS 104 Plants, Soils, and People: A Science Perspective ............. 3  
PLS/BIO 210 The Life Processes of Plants or  
BIO 152 Principles of Biology II ................................ 3  
PLS 366 Fundamentals of Soil Science ........................... 4  

Plus nine more hours of plant and soil science courses chosen from the following prefixes: PLS, PPA.

**Minor in Rural Sociology**

**NOTE:** At the time of publication, the minor in rural sociology was in the process of being suspended. Consult your advisor for more information.

**Prerequisites**

Students must complete SOC 101 or CLD 102 and one other sociology course at the 100 or 200 level.  

Any student wishing to minor in rural sociology should file an application with and be interviewed by the Director of Undergraduate Studies in sociology prior to entering the program.

**Minor Requirements**

Students must complete 15 hours in sociology, at least 12 of which must be at the 300 level or above, including one of the following six-hour blocks:

SOC 302 and SOC 303 or  
SOC 304 and SOC 305 or  
SOC 302 and SOC 304

**Minor in Sustainable Agriculture**

The minor in Sustainable Agriculture requires 21 to 23 hours as follows:

**Minor Prerequisite**  
**Hours**  
ECO 201 Principles of Economics I ............................... 3  

**Minor Requirements**

Required: ........................................................................ 9  
SAG 101 Introduction to Sustainable Agriculture ............. 3  
SAG 201 Cultural Perspectives on Sustainability .......... 3  
SAG 397 Apprenticeship in Sustainable Agriculture .. 3  

Select one from:

** GEO 235 Environmental Management and Policy ...... 3  
SAG 371 Intro to Sustainable Agriculture  
**GEO 210 Habitable Planet: Evolution of the Earth System 3  
**PLS 366 Fundamentals of Soil Science ................. 4  

Select one from:

** AEC 305 Agricultural Management Principles .......... 4  
AEC 201 Principles of Animal Feeding and Disease Control 3  
**AEC 445G Introduction to Resource Management and Environmental Economics 3  

**Pre-Veterinary Medicine**

Students interested in becoming veterinarians may enroll in the College of Agriculture at the University of Kentucky and complete their requirements for admission to veterinary school.

Although the Commonwealth of Kentucky does not have a school of veterinary medicine, it is a participating member of the Southern Region Education Board plan, under which legal Kentucky residents may attend the Auburn University School of Veterinary Medicine. Each year 34 students are chosen from Kentucky to enter the Auburn program.

There is also a plan whereby two legal Kentucky residents may be accepted by the Tuskegee University School of Veterinary Medicine each year.

Under both of the above programs the students selected are exempt from the out-of-state tuition that would normally apply to a Kentucky resident. Admission is on a competitive basis with the final selection being made by a committee from each of the veterinary schools.

Pre-veterinary studies is not a degree program, but a pre-professional curriculum. It is strongly recommended that all pre-veterinary students choose a degree goal early in their college career. Although it is possible to complete pre-vet requirements in three years, the majority of students accepted to Auburn have a B.S. or B.A. degree.

An overall grade-point average of 2.50 (on a 4.0 basis) is required prior to consideration for admission to Auburn; 2.70 is required for Tuskegee.

Due to the high level of competition for admission to any veterinary school, a student should maintain at least a 3.0 academic standing on all college work. The average overall GPA for students accepted to veterinary schools is approximately 3.45. The student must have completed all of the required courses by June 15 of the year of possible acceptance. Courses in certain advanced sciences must be taken within six years of entry to Auburn. All required courses must have a grade of “C” or greater.

Auburn applicants can use the Veterinary Medical College Application Service (VMCAS) application, available at: [www.vmcas.org](http://www.vmcas.org). The deadline for Auburn applications is October 1. Auburn requires the General Aptitude portion of the Graduate Record Examination (GRE). Tuskegee requires a separate application form and the GRE, taken within three years of application. Additional forms are required for both schools; forms are available from Dr. Dwyer after June 1.

The following curriculum is designed to meet the requirements for both Auburn and Tuskegee.
However, some changes in the pre-veterinary curriculum may go into effect during the school year. The student has the responsibility to work closely with his or her pre-veterinary advisor in making certain that all requirements are met for consideration for acceptance.

All CLEP and advanced placement credit for required courses must have prior approval by Dr. Dwyer. Auburn does not accept correspondence credit for required courses, except for Animal Nutrition.

### Pre-Veterinary Curriculum

<table>
<thead>
<tr>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-7</td>
<td>UK Written Communication requirement*</td>
</tr>
<tr>
<td>3 or 6</td>
<td>Literature (e.g. ENG 334)**</td>
</tr>
<tr>
<td>3</td>
<td>Fine Arts (e.g. MUS 100)**</td>
</tr>
<tr>
<td>6</td>
<td>Humanities/Fine Arts electives**</td>
</tr>
<tr>
<td>3 or 6</td>
<td>History (e.g. HIS 108/109)**</td>
</tr>
<tr>
<td>9</td>
<td>Social sciences electives**</td>
</tr>
<tr>
<td>3</td>
<td>MA 123 Elementary Calculus and Its Applications</td>
</tr>
<tr>
<td>3</td>
<td>MA 113 Calculus I</td>
</tr>
</tbody>
</table>

The above courses are waived for students with a B.S. or B.A. degree.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>BIO 150/152 Principles of Biology I and II</td>
</tr>
<tr>
<td>6</td>
<td>BIO 151/153 Principles of Biology Laboratory I and II</td>
</tr>
<tr>
<td>3</td>
<td>CHE 105 General College Chemistry I</td>
</tr>
<tr>
<td>3</td>
<td>CHE 107 General College Chemistry II</td>
</tr>
<tr>
<td>6</td>
<td>CHE 378 Animal Nutrition and Feeding</td>
</tr>
<tr>
<td>3</td>
<td>CHE 111 Laboratory to Accompany General Chemistry I</td>
</tr>
<tr>
<td>2</td>
<td>CHE 230 Organic Chemistry I</td>
</tr>
<tr>
<td>2</td>
<td>CHE 231 Organic Chemistry Laboratory I</td>
</tr>
<tr>
<td>3</td>
<td>CHE 232 Organic Chemistry II</td>
</tr>
<tr>
<td>2</td>
<td>CHE 233 Organic Chemistry Laboratory II</td>
</tr>
<tr>
<td>5</td>
<td>PHY 211 General Physics</td>
</tr>
<tr>
<td>5</td>
<td>PHY 213 General Physics</td>
</tr>
<tr>
<td>3</td>
<td>BCH 401G Fundamentals of Biochemistry</td>
</tr>
<tr>
<td>4</td>
<td>ASC 378 Animal Nutrition and Feeding</td>
</tr>
<tr>
<td>3</td>
<td>ASC 380 Feeds and Feeding</td>
</tr>
<tr>
<td>6</td>
<td>Science Electives**</td>
</tr>
<tr>
<td>6</td>
<td>Tuskegee requires ASC 378, BCH 401G (Biochemistry), 6 hours of math, and ASC 101 and ASC 102.</td>
</tr>
</tbody>
</table>

** Students should contact a UK pre-veterinary advisor regarding alternative courses.***

Auburn strongly urges students to take organic chemistry and physics courses at a four-year college or university.

All pre-veterinary students who enter veterinary school without obtaining an Animal Science degree and petition UK for one later must fulfill the departmental requirements for an Animal Science degree. In order to be eligible for the B.S. in Animal Sciences, students must have completed all UK Core courses, all college requirements and all of the required core courses and production courses required in the Animal Sciences degree program.

Direct further inquiries to:  
**Roberta M. Dwyer, DVM, MS**  
Department of Veterinary Science  
Gluck Equine Research Center  
College of Agriculture  
University of Kentucky  
Lexington, KY 40546-0099  
(859) 257-4757 ext. 81122  
et: rmdwyer2@email.uky.edu  
www.ca.uky.edu/gluck/index.htm

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### SCHOOL OF HUMAN ENVIRONMENTAL SCIENCES

Human Environmental Sciences provides science-based programs concerned with the interactions of individuals and families within multiple environmental contexts, including social, cultural, economic, and political. The specialized areas of study prepare graduates for professional roles through academic work, practical or field experience, research with a focus on improving quality of life for individuals and families throughout the lifespan.

There are three departments in the School of Human Environmental Sciences – Family Sciences; Merchandising, Apparel and Textiles; and Nutrition and Food Science. Each department offers both undergraduate and graduate study.

### Undergraduate Programs in Human Environmental Sciences

The University of Kentucky grants the following degrees in the School of Human Environmental Sciences:

- Bachelor of Science in Career and Technical Education (see pages 94-95).
- Bachelor of Science in Dietetics
- Bachelor of Science in Family Sciences
- Bachelor of Science in Hospitality Management
- Bachelor of Science in Human Nutrition
- Bachelor of Science in Merchandising, Apparel and Textiles

### Minor Offered

The following minor is available:

- Family Science

### Accreditations and Approvals

All undergraduate programs in the School of Human Environmental Sciences are accredited by the American Association of Family and Consumer Sciences.

Additionally, all programs and facilities which can be accredited or approved have achieved that recognition:

- Didactic and Coordinated Programs in Dietetics are both accredited by the Commission on Accreditation for Dietetic Education (CADE)
- National Council for Accreditation of Teacher Education has accredited the program in Family and Consumer Sciences Education
- The Masters Specialization in Marriage and Family Therapy is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE). The program includes course work and clinical practicum required for licensure.

### Unique Features of the College Facilities and Services

Research Center for Families and Children; Betty D. Eastin Historic Costume Collection; textiles quality research laboratory; The Lemon Tree Restaurant; and nutrition research laboratories. The Department of Family Sciences includes two research labs. The Family Interaction Research Lab (FIRL) features equipment to measure family interactions, including psychological arousal and electrical brain activity. The Family Social Science Research Center includes equipment to complete random digit dialing research.

### Scholarships

Over fifty scholarships are awarded each year to undergraduate and graduate students enrolled in the School of Human Environmental Sciences. Information about scholarships is available from the Advising Resource Office, 112 Erikson Hall, and the College of Agriculture Scholarship Office, N-6 Ag Science Building.

### Advising

All students are assigned a faculty advisor during their first semester in a program in the School of Human Environmental Sciences. For more information about programs or advising, contact:

**Advising Resource Office**  
School of Human Environmental Sciences  
College of Agriculture  
112 Erikson Hall  
University of Kentucky  
Lexington, KY 40506-0050  
(859) 257-2855  
www.ca.uky.edu/hes/
DEPARTMENT OF FAMILY SCIENCES

The Department of Family Sciences is committed to offering quality programs for students preparing to work with individuals and families in various settings including schools, private and public social agencies, and business. The focus is on enhancing the quality of life for families. Undergraduate programming is at an applied level using an interdisciplinary approach from the perspectives of individual and family development, family resource management, and family systems.

The department offers a major in family sciences. (The College also offers a Bachelor of Science in Career and Technical Education with an option in Family and Consumer Sciences Education; see pages 94-95.) Students in the family sciences major earn the degree Bachelor of Science in Family Sciences. A minor in family science is available.

Family sciences prepares students to work with individuals and families in unique ways. Positions include coordinators of community education and outreach, crisis management, residential care, family financial management, research and planning, and social service workers. Students completing the program are eligible to apply to become certified family life educators through the National Council on Family Relations. Contact the Department of Family Sciences, 315 Funkhouser Building, (859) 257-7750, for more information about this optional credential.

Visit us on the Web at: www.ca.uky.edu/hes/?p=2.

BACHELOR OF SCIENCE IN FAMILY SCIENCES

Each student must complete the following:

1. Complete UK Core requirements.
2. Complete the School requirements listed below.
3. Complete 120 credit hours with a minimum grade-point average of 2.0.
4. Complete the required curriculum in the major program.

School Requirements

HES 100 An Introduction to Professions in Human Environmental Sciences 1
HES 400 Concepts in Human Environmental Sciences: Integration and Application 2
NFS 101 Human Nutrition and Wellness 3

Subtotal: School Required Hours 6

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences
   PSY 100 Introduction to Psychology or
   SOC 101 Introduction to Sociology 3-4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations
   PHI 120 Introductory Logic 3

VIII. Statistical Inferential Reasoning
   STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 3

IX. Community, Culture and Citizenship in the USA
   Choose one course from approved list 3

X. Global Dynamics
   Choose one course from approved list 3

UK Core Hours 30-31

Graduation Writing Requirement

Choose one of the following:

WRD 203 Business Writing 3
ENG 230 Introduction to Literature 3
ENG 233 Literature and Identities 3
ENG 234 Introduction to Women’s Literature 3

Graduation Writing Requirement Hours 3

Premajor Requirements

COM 252 Introduction to Interpersonal Communication 3

PHI 120 Introductory Logic or
PHI 332 Professional Ethics 3

PSY 100 Introduction to Psychology 4

STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 3

Two courses in BIO, CHE, or PHY 6

SOC 101 Introduction to Sociology 3

ECO 201 Principles of Economics I 3

Subtotal: Premajor Hours 25

Major Requirements

FAM 251 Personal and Family Finance 3
FAM 252 Introduction to Family Science 3
FAM 253 Human Sexuality: Development, Behavior and Attitudes 3
FAM 254 Life Course Human Development 3
FAM 360 Introduction to Family Intervention: Working With Families and Individuals 3
FAM 390 Introduction to Research in Family Studies 3
FAM 402 Issues in Family Resource Management 3
FAM 499 Internship in Family Science 3
FAM 544 Cultural Diversity in American Children and Families 3
FAM 354 The Family in Cross-Cultural Perspective 3

Subtotal: Major Hours 27

Professional Support

In addition to the major requirements, each student in consultation with his or her academic advisor will select a minimum of 18-21 credits in course work in a university-recognized minor. At least 12 of these hours must be at the 300 level or above. A minor is a structured group of courses that leads to considerable knowledge and understanding of a subject. Suggested minors include Psychology, Sociology, Gender and Women’s Studies, Anthropology, Economics, Political Science, Appalachian Studies, Business, Communication, Health Promotion, Human Nutrition, Community and Leadership Development, etc.

Students must contact the department responsible for the minor program for guidance and advising.

Subtotal: Professional Support Hours 18-21

Electives

Electives at the 300 level or above to reach 120 credits including sufficient credits to reach 45 hours at the 300 level or above. Work with an advisor to select additional FAM classes if available.

Subtotal: Electives 9

TOTAL HOURS: 120

Minor in Family Science

Any student interested in a minor in family science should file an application with the student’s college prior to entering the program.

Minor Requirements

FAM 251 Personal and Family Finance 3
FAM 252 Introduction to Family Science 3
FAM 254 Life Course Human Development 3

Plus twelve additional hours in family science with at least six hours at the 300-level or above.

BACHELOR OF SCIENCE IN CAREER AND TECHNICAL EDUCATION with an Option in Family and Consumer Sciences Education

The Family and Consumer Sciences Education option of the Bachelor of Science in Career and Technical Education prepares graduates for careers in teaching, extension services, adult education and related activities for consumer and family science programs. Professional education courses in teaching methods and supervised teaching in family and consumer sciences classes at the middle school and high school levels are included in the option. See further information under Career and Technical Education on pages 94-95.
DEPARTMENT OF MERCHANDISING, APPAREL, AND TEXTILES

The Department of Merchandising, Apparel, and Textiles is committed to excellence as it prepares students for merchandising, apparel, and textiles positions in an increasingly diverse and technological world. Teaching, research, and service programs support student development and contribute to the economic and social well-being of the Commonwealth, the nation, and the world. The department offers the Bachelor of Science in Merchandising, Apparel, and Textiles. Visit us on the Web at www.ca.uky.edu/hes/?p=3.

BACHELOR OF SCIENCE IN MERCHANDISING, APPAREL, AND TEXTILES

The Merchandising, Apparel, and Textiles program develops graduates who are consumer and technology focused with a global orientation. Students study concepts and develop skills necessary for understanding consumer and market trends, strategies, and industry structures that facilitate the development, sourcing, marketing, and merchandising of consumer goods and services in the domestic and international marketplace.

The curriculum challenges students to think creatively, to learn research and problem-solving techniques, and to interact in team efforts, while gaining knowledge of the merchandising process. Students gain awareness of the interrelationships of people, technology, and materials in the dynamic social, economic, and global environment of the merchandising, apparel, and textile industry. Course work includes a strong business component, interaction with professionals and field experience. Internships are a required component, interaction with professionals and technology focused with a global orientation. The program develops graduates who are consumer focused with a global orientation. Program Entrance Requirements The minimum grade-point average for entrance of all students into the Merchandising, Apparel and Textiles program is 2.0.

Graduation Requirements MAT majors and transfer students must obtain or have received a C or better in ALL premajor, professional support and MAT major required courses. No letter grade of a D would be accepted in the premajor, professional support and MAT major required courses.

Premajor Requirements Writing course (200 level or above) ................. 3 FAM 350 Consumer Issues ........................................ 3 PSY 100 Introduction to Psychology .............................. 4 SOC 101 Introduction to Sociology ............................... 3 ECO 201 Principles of Economics I ............................ 3 ECO 202 Principles of Economics II ............................ 3 STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ................................. 3

Subtotal: Premajor Hours .................... 22

Electives Electives should be selected to complete the minimum total of 120 hours required for graduation. Subtotal: Minimum Elective Hours ........... 10 TOTAL HOURS ............................................ 120

DEPARTMENT OF NUTRITION AND FOOD SCIENCE

The Department of Nutrition and Food Science provides sound undergraduate and graduate programs in foods and nutrition, and is concerned with research and extension services. The department offers the Bachelor of Science in Dietetics, the Bachelor of Science in Hospitality Management, and the Bachelor of Science in Human Nutrition. A post-baccalaureate dietetic internship is also offered.

Visit us on the Web at www.ca.uky.edu/hes/?p=4.
BACHELOR OF SCIENCE IN Dietetics with a major in Nutrition and Food Science

Dietetics prepares professionals who are recognized for expertise in food and nutrition. Graduates of the University of Kentucky Dietetics Program are prepared to become Registered Dietitians to function as entry level professionals with opportunities for practice in medical nutrition therapy, community dietetics, food systems management, and/or the business of dietetics. Becoming a registered dietitian involves a combination of academic preparation, including a minimum of a baccalaureate degree, and a supervised practice component.

The UK NFS Dietetics Program offers two options to earn a bachelor’s degree in dietetics. Option A is the Didactic Program in Dietetics (DPD) and Option B is the Coordinated Program in Dietetics (CP). Both options lead to the Bachelor of Science in Dietetics and fulfill the foundation knowledge and/or competencies established by the Commission on Accreditation for Dietetics Education, CADE, the accrediting agency for American Dietetic Association, ADA. The DPD and the CP are both fully accredited by CADE. Option B, CP, is a selective admission program to which students must apply prior to beginning the major course work in the third year of the dietetics program.

Option A, designated as the Didactic Program in Dietetics, DPD, focuses on the foundation knowledge requirements provided by the academic component of dietitian education. A student must be a declared dietetics major in the Department of Nutrition and Food Science to complete the DPD. Students must attain a grade-point average of 2.0 or above to progress into course work designated as major requirements.

Successful completion of the DPD curriculum enables graduates to apply to a CADE-accredited supervised practice program, SPP, in a post-baccalaureate Dietetic Internship.

Upon successful completion of the Dietetic Internship the individual is eligible to sit for the national registry exam administered by the Commission on Dietetic Registration, CDR, the credentialing agency of the ADA, which grants use of the nationally recognized credential “RD” Registered Dietitian.

Graduates of the UK NFS Option A may apply for placement in the Dietetic Internship program offered by the Department of Nutrition and Food Science, School of Human Environmental Sciences, or any other CADE-accredited dietetic internship outside the department. Students must consider the highly competitive scenario in competing for acceptance into a Dietetic Internship.

Option B, designated as the Coordinated Program in Dietetics, CP, provides the foundation knowledge requirements provided by the academic component of dietitian education (see DPD above) and a CADE-accredited supervised practice component. Students who have completed the premajor requirements and are interested in the Coordinated Program to attain the academic preparation and supervised practice program through the UK NFS Dietetics Program may apply for admission to Option B, the CP. Option B requires three additional semesters of didactic course work in the major requirements prior to beginning the 1,200 hour supervised practice program. Students in the CP must successfully complete the didactic and supervised practice component to receive the B.S. in Dietetics degree.

The CADE-accredited CP is a selective admission program. Admission to the University of Kentucky NFS Dietetics Program does not guarantee admission to the Coordinated Program, CP. A limited number of students who have completed the required preprofessional courses will be admitted on the basis of cumulative grade-point average, potential qualities for becoming a successful dietitian, leadership potential and professional involvement and commitment.

The application deadline for the UK NFS CP is February 1, prior to potential fall admission in Year Three of the Dietetics Program. Year Three of the Dietetics Program is the beginning of the Major Requirements for completion of course work. Program application materials should include an application form, a letter of professional goals and qualifications, three letters of reference, and record of academic performance.

The CP Admissions Committee considers grade-point average, letter of application, work experience, honors and extracurricular activities and letters of recommendation. Students who apply to the UK NFS CP will be granted an interview where the applicant’s goals, communication skills, knowledge of the profession, and organizational and leadership skills are evaluated.

Successful CP applicants will be notified of provisional acceptance into the CP before UK’s priority registration dates for the ensuing fall semester. Final acceptance depends on successful completion of the work in progress at the time of the application and throughout the remaining didactic component prior to beginning the supervised practice component of the undergraduate dietetics program.

Transfer students are urged to contact the Advising Resource Office, 112 Erikson Hall, for a preliminary evaluation of credits well in advance of the application date. Year Three of the Dietetics Program is the beginning of the Major Requirements for completion of course work. CP applicants must be a declared major in the UK NFS dietetics program or if a transfer student, indicate intent to declare dietetics as their major. Students accepted into the CP must be majors in the UK NFS dietetics program.

Successful completion of Option B, the UK NFS CP, results in the Bachelor of Science in Dietetics degree. Graduates of Option B are eligible to sit for the national registry exam administered by the Commission on Dietetic Registration, CDR, the credentialing agency of the ADA, which grants use of the nationally recognized credential “RD” Registered Dietitian.

The UK NFS CADE-accredited Dietetic Internship, DI, is offered for students who have completed a Didactic Program in Dietetics at UK or other CADE-accredited institutions. Qualified graduates compete for a limited number of positions in the UK NFS DI. For information regarding the UK NFS Dietetic Internship, the application and/or screening procedures, please contact:

College of Agriculture and School of Human Environmental Sciences
Director, Dietetic Internship Program
Department of Nutrition and Food Science
203 Funkhouser Building
University of Kentucky
Lexington, KY 40506-0054

Degree Requirements
Each student must complete the following:
1. Complete UK Core requirements.
2. Complete the School requirements listed below.
3. Complete 128 credit hours with a minimum grade-point average of 2.0.
4. Complete the required curriculum in the major program.

School Requirements
HES 100 An Introduction to Professions in Human Environmental Sciences .................. 1
HES 400 Concepts in Human Environmental Sciences: Integration and Application ............ 2
One course in Human Environmental Sciences, outside the student’s major prefix .................. 3

Subtotal: School Required Hours .................. 6

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................. 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology or
SOC 101 Introduction to Sociology .................. 3-4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ................. 3
CHE 111 Laboratory to Accompany General Chemistry I ........................................... 1

V. Composition and Communication
CIS/WRD 110 Composition and Communication I .... 3
VI. Composition and Communication II  
CIS/WRD 111 Composition and Communication II ........... 3

VII. Quantitative Foundations  
Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning  
STA 210 Making Sense of Uncertainty:  
An Introduction to Statistical Reasoning .................... 3

IX. Community, Culture and Citizenship in the USA  
Choose one course from approved list ....................... 3

X. Global Dynamics  
Choose one course from approved list ....................... 3

UK Core Hours ............................................. 31-32

Progression Requirements  
Students must attain a grade-point average of 2.4 or above to progress into course work designated as major requirements. In addition, students must achieve a grade of C or better in all course work designated as major requirements.

Students must complete the following requirements:

Premajor Requirements  
BIO 152 Principles of Biology II ......................... 3
BIO 208 Principles of Microbiology ....................... 3
CHE 105 General College Chemistry I .................... 3
CHE 107 General College Chemistry II ................... 3
CHE 111 Laboratory to Accompany General Chemistry I 3
CHE 113 Laboratory to Accompany General Chemistry II 2
CHE 230 Organic Chemistry I or CHE 236 Survey of Organic Chemistry .......... 3
CLA 131 Medical Terminology from Greek and Latin ... 3
ECO 201 Principles of Economics I ........................ 3
NFS 212 Introductory Nutrition ................................ 1
NFS 241 Food Service Sanitation ............................ 1
NFS 302 Principles of Food Preparation .................... 3
PGY 206 Elementary Physiology ............................ 3
PSY 100 Introduction to Psychology .......................... 4
SOC 101 Introduction to Sociology ........................... 3
STA 210 Making Sense of Uncertainty:  
An Introduction to Statistical Reasoning .................... 3
Subtotal: Premajor Hours .................. 44

Major Requirements  
Hours  
Prior to beginning the major requirements, students should indicate a choice of Option A or Option B with the Advising Resources Office, 112 Erikson Hall, and the UK NFS Dietetics Program, 203 Funkhouser. Option B is a selective admissions program.

ACC 201 Financial Accounting I ............................ 3
NFS 301 Dietetics Practice ..................................... 2
NFS 304 Experimental Foods ............................... 3
NFS 311 Nutritional Biochemistry ........................... 3
NFS 312 Nutrition and Wellness in the Life Cycle ...... 3
NFS 340 Institutional Purchasing ............................ 3
NFS 342 Quantity Food Production .......................... 4
NFS 346 Human Resources Management for the Food and Hospitality Industries 3
or
MGT 301 Business Management ............................. 3
NFS 403 Community Nutrition and Wellness ............ 3
NFS 408Q Seminar in Food and Nutrition .................. 1
NFS 510 Advanced Nutrition ............................... 3
NFS 512 Medical Nutrition Therapy I ....................... 4
NFS 514 Dietetics: Counseling and Communication Theories and Applications .................. 3
NFS 517 Medical Nutrition Therapy II ...................... 3

Subtotal: Major Hours .................... 41

Option Requirements  
One option must be completed concurrently with the major requirements stated above.

Option A – Didactic Program in Dietetics (DPD)  
NFS 480 Dietetics Pre-Professional Practice ............ 1-6
Subtotal: Option A .................. 1-6

Option B – Coordinated Program in Dietetics (CP)  
Option B requires the student to apply to admission to the CP after completion of premajor requirements. See Bulletin for details.
NFS 800 Nutrition in the Life Cycle: Practicum* ........ 1
NFS 808 Community Nutrition II: 
Supervised Practice* ......................................... 2
NFS 810 Medical Nutrition Therapy I: 
Supervised Practice* ......................................... 5
NFS 812 Food Service Systems Management: 
Supervised Practice* ......................................... 5
NFS 814 Food Service Systems Management II: 
Supervised Practice* ......................................... 3
NFS 816 Medical Nutrition Therapy II: 
Supervised Practice* ......................................... 3
NFS 518 Evaluation of Diabetic Issues 
and Leadership ......................................................... 2
*800-level course requires admission to CP.
Subtotal: Option B .................. 21

Electives  
Electives should be selected by the student to lead to the minimum total hours required for graduation.
Subtotal: Minimum Elective Hours .................. 1-13
TOTAL HOURS: Option A .................. 128
TOTAL HOURS: Option B .................. 137

Requests for applications or further information may be directed to:
Director, Coordinated Program  
Department of Nutrition and Food Science  
203 Funkhouser Building  
University of Kentucky  
Lexington, KY 40506-0054

BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT  
In the Hospitality Management and Tourism program option in Nutrition and Food Science, which leads to the B.S. in Hospitality Management, students acquire the specialized knowledge needed for careers in the hospitality industry. They also receive training in the basic functions, objectives, and techniques of management. The student is prepared for managerial positions in hotels, restaurants, non-commercial food service and tourism areas, as well as positions as purchasing agents, food service equipment specialists, food service planning specialists, and other careers.

Entrance Requirement  
The minimum grade-point average for entrance of all students into the Hospitality Management and Tourism program is 2.30.

Progression Requirement  
In addition, students must have completed the following premajor courses with a grade of C or better in order to progress to courses which are major requirements: CS 101, ACC 201, ACC 202, ECO 201, ECO 202, HMT 120, HMT 210, NFS 241, and HMT 270.

Graduation Requirement  
Students must fulfill all prerequisites and achieve a grade of C or better in all NFS and HMT courses which are major requirements.

Each student must complete the following:
1. Complete UK Core requirements.
2. Complete the School requirements listed below.
3. Complete 128 credit hours with a minimum grade-point average of 2.0.
4. Complete the required curriculum in the major program.

School Requirements  
HES 100 An Introduction to Professions in Human Environmental Sciences ................. 1
HES 400 Concepts in Human Environmental Sciences: Integration and Application ...... 2
One course in Human Environmental Sciences, outside the student’s major prefix ............... 3
Subtotal: School Required Hours .................. 6

UK Core Requirements  
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity  
Choose one course from approved list ....................... 3

II. Intellectual Inquiry in the Humanities  
Choose one course from approved list ....................... 3

III. Intellectual Inquiry in the Social Sciences  
Choose one course from approved list ....................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences  
Choose one course from approved list ....................... 3

V. Composition and Communication I  
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II  
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations  
MA 123 Elementary Calculus 
and Its Applications .............................................. 3

VIII. Statistical Inferential Reasoning  
Recommended:
STA 210 Making Sense of Uncertainty:  
An Introduction to Statistical Reasoning .................... 3

IX. Community, Culture and Citizenship in the USA  
Choose one course from approved list ....................... 3

X. Global Dynamics  
Choose one course from approved list ....................... 3

UK Core Hours .................. 30
BACHELOR OF SCIENCE IN HUMAN NUTRITION with a major in Human Nutrition

The Bachelor of Science in Human Nutrition offers appropriate preparation for further study in nutritional sciences and health-related sciences, particularly public health, pharmacy, medicine, dentistry, physical therapy, physician assistant school, optometry, and nutrition research.

Each student must complete the following:
1. Complete UK Core requirements.
2. Complete the School requirements listed below.
3. Complete 120 credit hours with a minimum grade-point average of 2.0.
4. Complete the required curriculum in the major program.

School Requirements

HES 100 An Introduction to Professions in Human Environmental Sciences ........................................... 1
HES 400 Concepts in Human Environmental Sciences: Integration and Application .................................... 2
One course in Human Environmental Sciences, outside the student’s major prefix ............................... 3

Subtotal: School Required Hours .................................... 6

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ................................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................................. 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology ........................................ 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ................................. 3
CHE 111 Laboratory to Accompany General Chemistry I .......................................................... 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............... 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and its Applications ................................. 3-4

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ................................. 3

X. Global Dynamics
Choose one course from approved list ................................. 3

UK Core Hours ................................................................ 32-33

Pre-major Requirements

Two semesters of a single foreign language ......................... 6-8

Diversity Requirements

ANT 160 Cultural Diversity in the Modern World plus one of the following courses:
ANT 220 Introduction to Cultural Anthropology
ANT 324 Contemporary Latin American Cultures
ANT 327 Culture and Societies of India
AAS 200 Introduction to African-American Studies

GWS 200 Introduction to Gender and Women’s Studies in the Social Sciences ............................. 6

CS 101 Introduction to Computing I ........................................ 3
ACC 201 Financial Accounting I ............................................. 3
ACC 202 Managerial Uses of Accounting Information ................. 3
ECO 201 Principles of Economics I ................................. 3
ECO 202 Principles of Economics II ........................................ 3
WRD 203 Business Writing ................................................. 3

HMT 120 Introduction to Hospitality Management and Tourism .................................................. 3
HMT 210 Hotel Rooms Division Management .............................. 3
HMT 270 Principles of Travel and Tourism ........................................ 3
MA 123 Elementary Calculus and Its Applications (prerequisite for STA 291) ................. 3
STA 291 Statistical Methods ................................................... 3
NFS 241 Food Service Sanitation ........................................ 1

Subtotal: Premajor Hours ............................................. 46-48

Major Requirements

HMT 308 Principles of Food and Beverage ........................................ 3
HMT 345 Information Technology in the Hospitality Industry .................................................. 3
HMT 350 Hospitality Managerial Accounting .............................. 3
HMT 499 Hospitality and Tourism Internship ........................................ 3
NFS 342 Quantity Food Production ............................................ 3
FIN 300 Corporation Finance .................................................. 3
MGT 301 Business Management ................................................. 3

Subtotal: Major Core Hours ............................................. 25

Plus at least 15 hours selected from the following courses.

Subtotal: Total Major Hours ................................................. 33

Subtotal: Professional Support Electives ................................. 18

Electives

Electives should be selected by the student to lead to the minimum total of 128 hours required for graduation.

Subtotal: Minimum Elective Hours ........................................ 12

TOTAL HOURS: .................................................. 128

Pre-major Requirements

PSY 100 Introduction to Psychology ........................................ 4
MA 113 Calculus I or MA 123 Elementary Calculus and its Applications ............................................ 3-4

CHE 105 General College Chemistry I ................................. 3
CHE 107 General College Chemistry II ........................................ 3
CHE 111 Laboratory to Accompany General Chemistry I .......................................................... 1
CHE 113 Laboratory to Accompany General Chemistry II .......................................................... 2
CHE 230 Organic Chemistry I .................................................. 3
CHE 231 Organic Chemistry Laboratory I ........................................ 2
CHE 232 Organic Chemistry II .................................................. 3
CHE 233 Organic Chemistry Laboratory II ........................................ 2
STA 291 Statistical Methods ................................................... 3
BIO 150 Principles of Biology I .................................................. 3
BIO 151 Principles of Biology Laboratory I ........................................ 2
BIO 152 Principles of Biology II .................................................. 3
BIO 153 Principles of Biology Laboratory II ........................................ 2
COM 252 Introduction to Interpersonal Communication or COM 287 Persuasive Speaking ........................................ 3
PGY 206 Elementary Physiology ................................................. 3
ANA 209 Principles of Human Anatomy ........................................ 3

Subtotal: Premajor Hours ............................................. 48-49

Major Requirements

NFS 212 Introductory Nutrition ................................................. 3
NFS 241 Food Service Sanitation ................................................. 1
NFS 302 Principles of Food Preparation ........................................ 3
NFS 304 Experimental Foods or FSC 434G Food Chemistry ............................................ 3-4

NFS 311 Nutritional Biochemistry ................................................. 3
NFS 312 Nutrition and Wellness in the Life Cycle ........................................ 3
NFS 315 Nutrition Issues in Physical Activity ........................................ 3
NFS 403 Community Nutrition and Wellness ........................................ 3
NFS 408G Seminar in Food and Nutrition ........................................ 1
NFS 474 Research in Nutrition: Theory ........................................ 3
NFS 475 Research in Nutrition: Application ........................................ 3
NFS 510 Advanced Nutrition ................................................. 3

At least 45 hours of course credit at the 300-level or above is required for graduation.

Subtotal: Major Hours ................................................. 32-33

Professional Support Electives

Select 18 hours in Professional Support Electives at the 200 level or above.

Subtotal: Professional Support Hours ........................................ 18

Electives

Electives should be selected by the student to complete the minimum total of 120 hours required for graduation.

Subtotal: Minimum Elective Hours ........................................ 1

TOTAL HOURS: .................................................. 120
The College of Arts and Sciences embodies the liberal arts: the natural sciences and mathematics, the social sciences, and the humanities. Students augment their knowledge in all three areas by exploring the interconnections among them.

Study of the liberal arts opens to students the vast scope and excitement of human intellectual and cultural achievement. It enlarges the student’s vision and enriches the student’s life. Study of arts and sciences prepares students for life-long learning and vocational success. It also prepares them for a life of effective civic participation as informed and critical citizens of a diverse global society.

In essence, an Arts and Sciences education fosters the ability to think and learn independently. Arts and Sciences graduates are well prepared to meet future technological and cultural transformations.

Undergraduate Programs in Arts and Sciences

The University of Kentucky grants the following degrees in the College of Arts and Sciences:

- Bachelor of Arts
- Bachelor of Science

Students pursuing the Bachelor of Arts or the Bachelor of Science select from these majors: anthropology, biology, chemistry, Chinese language and literature, classics, economics, English, French, geography, geology, German, history, international studies, Japanese language and literature, linguistics, mathematical economics, mathematics, philosophy, physics, political science, psychology, Russian studies, sociology, Spanish, and topical studies. The College also offers a Bachelor of Arts in Gender and Women’s Studies.

For more information on degree programs, visit: www.as.uky.edu/.

ADMISSION

Admission requirements are the same as those of the University, except for the topical studies major. Prospective students should see the college Web site: www.as.uky.edu/.

PROGRAMS AND SERVICES

Academic Advising

Academic advising in the College of Arts and Sciences is provided by professional advisors and graduate students beginning with new student advising conferences all the way through to graduation. All Arts and Sciences students are assigned an academic advisor after enrollment. Students and advisors will work as partners to help the student meet their academic goals.

All currently enrolled Arts and Sciences students have an advising hold placed on their record requiring the student to meet with their A&S academic advisor prior to registration each semester. Arts and Sciences students should schedule an advising appointment at: myuk.uky.edu/irj/portal—select myInfo and myAppointments.

Students experiencing academic difficulty (academic probation) will be required to meet with their academic advisor at the beginning of each semester and before the last day to withdraw from classes. For more information concerning these meetings, contact the Arts and Sciences Advising Center at (859) 257-8712.

All Arts and Sciences students are expected to familiarize themselves with the degree requirements and keep track of requirements. The University has an online degree audit system called APEX (myuk.uky.edu/irj/portal). Students are expected to view their personalized degree audit prior to any advising session where scheduling for classes will be discussed.

Routine questions concerning UK Core, college, major and minor requirements, grade-point average, repeat or bankruptcy options, transient student forms, credit overload requests, transfer credit equivalencies, forms required for graduation, and changing majors should be addressed to the student’s academic advisor. For more information, visit www.as.uky.edu/advising.

Dean’s List

A student who completes at least 12 credits of “letter” grades with a 3.60 or higher grade-point average with no I grades listed for the fall or spring semester will be named to the Dean’s List in the College of Arts and Sciences. CLEP, AP, special exam and Independent Study credits are excluded. The student’s cumulative grade-point average is not considered; only the grade-point average for that particular semester is relevant. Exceptional circumstances including fewer than 12 credits will be considered for inclusion on the Dean’s List; students should submit a petition to the A&S Advising Center, 311 Patterson Office Tower.

Commencement and Departmental Honors

Commencement honors are determined by University standards. A full explanation of these honors can be found in the Graduation Requirements section of this Bulletin. Please note that if a student has not completed at least 90 hours at the University of Kentucky, but has completed at least 60 hours at the University of Kentucky, the student is eligible for commencement honors, but is held to a 0.2 point higher standard. If the student has not completed at least 60 hours, the student is not eligible for commencement honors. Commencement honors are indicated on the student’s final transcript.

Departments in the College of Arts & Sciences award departmental honors to their outstanding graduates. The standards for departmental honors are not collectively established by the College, but determined by each department. For details on departmental honors, see Guide to A&S Departmental Honors Requirements on page 112. Address questions to the department awarding honors. Departmental honors are indicated on the student’s final transcript.

Scholarships

For information on general scholarships in the College of Arts and Sciences, contact the A&S Advising Center, 311 Patterson Office Tower, (859) 257-8712, or www.as.uky.edu/scholarships. Students interested in scholarships in a specific major should contact the individual department.

College Policy on Learning Disabilities

The College of Arts and Sciences anticipates that virtually all of its students will satisfy all of its requirements. However, any student who believes that he or she can show evidence – by diagnostic testing and/or psychological evaluation – that he or she has a learning disability which warrants course substitution of any specific college requirement may request such an exception from the Director of Student Services in the College. Students should begin their inquiries and/or discussions in the UK Disability Resource Center, 102 Alumni Gym.
<table>
<thead>
<tr>
<th>Major</th>
<th>Cumulative GPA</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>3.5</td>
<td>Senior honors thesis related to general issues within the topical sub-discipline; formation of a 3-person advisory committee (the DUS always serves as one of these three); a thesis defense. Normally, students enroll in ANT 581 to receive course credit for their Senior Honors Thesis preparation. (30 pages, double-spaced.)</td>
</tr>
<tr>
<td>Biology</td>
<td>3.5</td>
<td>6 credit hours of BIO 395, Research in Biology. A public presentation of one's research results. Such a presentation can be a journal article, a seminar given to a diverse group, a talk or poster at a professional meeting, a thesis, or some form of public presentation approved by the Director of Undergraduate Studies in Biology.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3.5</td>
<td>12 hours in CHE or BCH courses (other than CHE 440G, 441G, and 572) at or above the 300 level. At least 6 of those hours must be in CHE 395. 3.5 cumulative GPA and 3.5 major GPA or above.</td>
</tr>
<tr>
<td>Classics</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above, 3.75 GPA or above in courses taken in the major, and two 300-level courses in Greek or Latin with a grade of B or above in each.</td>
</tr>
<tr>
<td>Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA or above and 3.2 major GPA.</td>
</tr>
<tr>
<td>English</td>
<td>3.75</td>
<td>1) 3.75 cumulative GPA or above in courses taken at UK which count or could count toward the English major and premajor. 2) At least 8 such courses taken at UK (i.e., not transferred).</td>
</tr>
<tr>
<td>French</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</td>
</tr>
<tr>
<td>Geography</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>Geology</td>
<td>3.5</td>
<td>3.3 cumulative GPA and senior thesis or 3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>German</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in all courses taken at UK and 3.75 GPA or above in courses taken in the major.</td>
</tr>
<tr>
<td>Hispanic Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in 300-500 level Spanish courses.</td>
</tr>
<tr>
<td>History</td>
<td>3.5</td>
<td>minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of A or B in HIS 499.</td>
</tr>
<tr>
<td>International Studies</td>
<td>3.5</td>
<td>minimum 3.5 cumulative GPA and 3.5 GPA in the major; completion of INT 495 with grade of A; completion of an Education Abroad experience or the International Studies Internship course; a public presentation of the student's INT 495 or internship research results. Such a presentation can be a journal article (e.g., published in Kaleidoscope, the University of Kentucky Journal of Undergraduate Scholarship), a seminar given to a diverse group, a talk or poster at a professional meeting (e.g., in such venues as Posters at the Capitol or the Showcase of Undergraduate Scholars), or some other form of public presentation approved by the Director of International Studies.</td>
</tr>
<tr>
<td>Linguistics</td>
<td>3.75</td>
<td>3.75 cumulative GPA or above in courses taken at UK which count or could count toward the linguistics major and premajor. At least 8 such courses taken at UK (i.e., not transferred).</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA or above and 3.2 major GPA or above.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in PHI courses.</td>
</tr>
<tr>
<td>Physics</td>
<td>3.4</td>
<td>3.4 cumulative GPA or above and 3.4 major GPA or above in physics and astronomy. All students awarded department honors will have fully participated in independent study or research including the preparation of a final report; participation with a high grade in a three-credit-hour PHY 395 or participation in a summer research experience are ways of achieving this. Other factors such as citizenship, leadership in the Society of Physics Students, and other meritorious activity will be considered in the selection of seniors for graduation with honors.</td>
</tr>
<tr>
<td>Political Science</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above, and successful completion of an honors thesis. Students normally fulfill the thesis requirement by taking PS 490, Honors in Political Science, offered during the spring semester. Should that option be unavailable, however, students might be able to arrange writing a thesis under faculty guidance as part of PS 395, the department’s Independent Study course.</td>
</tr>
<tr>
<td>Psychology</td>
<td>3.5</td>
<td>3.6 major GPA or above and successful completion of PSY 495 and PSY 496.</td>
</tr>
<tr>
<td>Russian Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a 3.75 major GPA or above.</td>
</tr>
<tr>
<td>Sociology</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Topical</td>
<td>3.6</td>
<td>3.6 cumulative GPA or above and recommendation of the Associate Dean based on the final thesis.</td>
</tr>
</tbody>
</table>
**Readmission After a Two-Year Absence**

In accordance with the University Senate rules which allow the dean of each college to determine which degree requirements a returning student shall follow, students should note the following: Students enrolling in the College of Arts and Sciences after an absence from the University of Kentucky system of two or more years will be expected to satisfy the university, college, graduation, and department requirements in effect at the time of readmission.

Students with extenuating circumstances may petition the Director of Student Services for permission to continue under the degree requirements that were in effect during their previous enrollment in the UK system.

**ACADEMIC SUSPENSION AND REINSTATEMENT**

The College of Arts and Sciences follows the general University rules for academic suspension and reinstatement, which are outlined in the Academic Requirements section of this Bulletin. Students placed on academic suspension must be reinstated by the college in which they plan to enroll before applying for readmission to the university. Students planning to pursue a degree program in the College of Arts and Sciences should arrange for reinstatement proceedings before May 15 for any fall semester reinstatement, or October 1 for any spring semester reinstatement by calling A&S Student Services, (859) 257-8712. Students who fail to request reinstatement prior to these deadlines will normally not be considered for reinstatement until the subsequent semester.

A student who has been suspended for a second time from the University of Kentucky will usually not be considered for reinstatement by the College of Arts and Sciences until two years have passed since the date of the second suspension.

**THE BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES**

Students must complete four areas of requirements to obtain a UK Arts and Sciences degree. The four areas are: UK Core; major requirements; college requirements; and university graduation requirements. The following information outlines the specific degree requirements for the B.A. and the B.S. in Arts and Sciences. Please read them carefully and also note the specific differences in each degree program.

The B.S. degree requires three hours in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires 60 hours of physical, biological and/or mathematical sciences.

The B.A. degree requires six hours in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires 39 hours in course work numbered at or above the 300 level.

**College Requirements for a Bachelor of Arts Degree**

It is important to review the “NOTES” section that immediately follows the “College Requirements for a Bachelor of Science Degree” section.

To receive the Bachelor of Arts degree, students must:
1. Complete the UK Core requirements.†
2. Complete the following college requirements:
   a. Foreign Language Requirement. Students must satisfy one of the following options:
      1. satisfy the third and fourth semester of a college-level sequence in one language (including sign language) by successfully completing each semester course, or by demonstrating equivalent competency on a departmentally approved placement exam; or
      2. successfully complete three college-level semester courses in one language and two college-level semester courses in a second language. (Two college-level semester courses are considered equal to two years of a foreign language in secondary school. No other equivalencies are given for more years of foreign language as indicated on transcripts, or demonstrate equivalent competency on a departmentally approved placement exam (all options include sign language); or
   3. attain the Undergraduate German Studies Certificate (contact the Department of Modern and Classical Languages, Literatures and Cultures for more information);
   4. Courses taken to satisfy options 1, 2 or 3 above may not be taken pass/fail or audit; or
   5. To demonstrate your proficiency in a language not taught at UK, contact the Office of International Affairs with regard to taking a proficiency exam. You are responsible for any costs related to testing. All A&S students are encouraged to take a foreign language placement exam at the time of their initial enrollment at UK or during their advising conference; or
   5. If you have a specific language-learning disability that is certified through the UK Disability Resource Center, you may petition the College for a substitution of course work in lieu of completing the language courses normally taken for the foreign language requirement; or
3. Complete at least 120 credit hours in courses acceptable to the College of Arts and Sciences.²
4. Complete at least 90 credit hours in Arts and Sciences courses.³
5. Complete at least 39 credit hours in courses numbered at or above the 300 level.⁴
6. Complete at least six credit hours of pre-major courses in the departmental major. This is not required for the Topical Studies major or the International Studies – Foreign Language and International Economics major.
7. Complete at least 42 credit hours within the major and courses outside the major (excluding premajor course work). At least 24 of these hours must be at or above the 300 level.
8. Complete at least one course that includes some laboratory or field experience. (See the description of the College Laboratory or Field Experience Requirement which follows.)
9. Attend an overall grade-point average of at least 2.0.
10. Attend a grade-point average of at least 2.0 in all major requirements courses (including all premajor courses).
11. Complete a minimum of six credit hours of free electives. These college electives cannot be counted towards UK Core or Arts and Sciences major requirements.
12. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

**NOTES**

†See College Core Requirements for B.A. and B.S. Degrees following the next section.

**College Requirements for a Bachelor of Science Degree**

It is important to review the “NOTES” section that immediately follows the “College Requirements for a Bachelor of Science Degree” section.

To receive the Bachelor of Science degree, students must:
1. Complete the UK Core requirements.†
2. Complete the following college requirements:
   a. Foreign Language Requirement. Students must satisfy one of the following options:
1. satisfy the third and fourth semester of a college-level sequence in one language (including sign language) by successfully completing each semester course, or by demonstrating equivalent competency on a departmentally approved placement exam; or
2. successfully complete three college-level semester courses in one language and two college-level semester courses in a second language. (Two college-level semester courses are considered equal to two years of a foreign language in secondary school. No other equivalencies are given for more years of foreign language as indicated on transcripts), or demonstrate equivalent competency on a departmentally approved placement exam (all options include sign language); or
3. attain the Undergraduate German Studies Certificate (contact the Department of Modern and Classical Languages, Literatures and Cultures for more information);
Courses taken to satisfy options 1, 2 or 3 above may not be taken pass/fail or audit; or
4. To demonstrate your proficiency in a language not taught at UK, contact the Office of International Affairs with regard to taking a proficiency exam. You are responsible for any costs related to testing. All A&S students are encouraged to take a foreign language placement exam at the time of their initial enrollment at UK or during their advising conference; or
5. If you have a specific language-learning disability that is certified through the UK Disability Resource Center, you may petition the College for a substitution of course work in lieu of completing the language courses normally taken for the foreign language requirement; or
6. International students, excluding native speakers of English, automatically fulfill this requirement; or
7. International students who graduated from a U.S. high school and are unable to provide proficiency exam results may petition the Director of Student Services for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.
   b. Students must take three college hours in disciplines in the natural sciences; or
c. Students must take three college hours in disciplines in the social sciences; or
d. Students must take three college hours in disciplines in the humanities.
3. Complete at least 120 credit hours in courses acceptable to the College of Arts and Sciences; or
4. Complete at least 90 credit hours in Arts and Sciences courses; or
5. Complete at least 60 credit hours in the physical, biological and/or mathematical sciences; or
6. Complete at least six credit hours of pre-major courses in the departmental major. This is not required for the Topical Studies major or the International Studies – Foreign Language and International Economics major.
7. Complete at least 42 credit hours within the major and courses outside the major (excluding premajor course work). At least 24 of these hours must be at or above the 300 level.
8. Complete at least one course that includes some laboratory or field experience. (See the description of the College Laboratory or Field Experience Requirement which follows.)
9. Attain an overall grade-point average of at least 2.0.
10. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor requirements).
11. Complete a minimum of six credit hours of free electives. These college electives cannot be counted towards UK Core or any other Arts and Sciences major or college requirements.
12. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

†See College Core Requirements for B.A. and B.S. Degrees following the next section.

NOTES
1. See the UK Core section of this Bulletin for a detailed explanation of the requirements.
2. a. 001-099 courses, or courses followed by an “R” designation cannot be counted as credit towards a bachelor’s degree.
b. Physical education one-hour service courses (KHP) are acceptable as electives only and may count towards the total 120 minimum hours needed to graduate. Only one successful completion of multiple completions of the same KHP course will count.
c. A maximum of 16 semester credit hours earned in military science (AMS) and aerospace studies (AFS) are acceptable towards fulfilling both the College 90-hour and 120-hour requirement for the B.A. or B.S. degree. AMS/HIS 320 is not included in this 16 hour limit.
d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See Experiential Education and Internship Course section within the Arts and Sciences section of the Bulletin.
e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
f. Courses transferred from other institutions and judged by the Director of Student Services to be equivalent or comparable to Arts and Sciences courses are acceptable.
g. Usually the College will apply only six hours of technical course work taken at any institution.
h. The student is permitted to elect and count toward graduation courses in other colleges within the University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Director of Undergraduate Studies/Program Director and the Director of Student Services.
i. A maximum of 30 semester credit hours taken through UK’s Independent Study Program.
j. Courses with an “S” grade designation or a “place holder” designation such as ISP (Study Abroad, 1 credit hour) or NSE (National Student Exchange, 1 credit hour) cannot be counted as credit toward a bachelor’s degree.
3. Courses classified as Arts and Sciences courses for purposes of the 90-hour requirement include all courses offered by the College of Arts and Sciences; all art history courses; all courses in music and theatre appreciation and ART 100 plus the history of music and theatre; ARC 820; ARC 822; KHP 290; all economics courses; all undergraduate courses in the Department of Computer Sciences (CS); all undergraduate courses in the Department of Communication (COM); and all American Sign Language courses officially transferred to the student’s UK record.
4. CHE 230, 231, 232, 233 and ARC 820 and 822 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 800-899 cannot be counted as 300-level and above for the purpose of completing the 39 hours needed for the degree, with the exception of ARC 820 and 822.
5. The following courses will count towards the required 60 credit hours in the physical, biological and/or mathematical sciences hours for the Bachelor of Science degree: all courses with a MA prefix (except MA 108R); all anatomy courses; all physiology courses; all biochemistry courses; all statistics courses; all computer science courses; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; PHI 120 and PHI 320; NFS 101; PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565; and ANT 230, 332, and 333.

College Core Requirements for B.A. and B.S. Degrees
To satisfy the Arts and Sciences college core requirement, students must complete three (for a B.S.) or six (for a B.A.) college hours in each of three areas – natural sciences, social sciences, and humanities – not counting any courses taken to fulfill the requirements of UK Core. Students may also use other Arts and Sciences courses to satisfy the college core requirement if these courses have been approved to fulfill parallel inquiry areas in the UK Core.

Natural Sciences
1. All courses offered by Arts and Sciences departments or programs within the disciplines of the natural sciences including courses with the following departmental prefixes: AST, BRO, CHE, GLY, PHY.
2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of natural sciences. However, if used to count as a Natural Science they cannot also be used for any Social Science requirement.
   a. ANA 209
   b. ANT 230, 332, 333, 333
   c. CGS 500
   d. ENS 200, 400
   e. ENT 110, 300
   f. GEO 130, 230, 351, 451G, 530
   g. NFS 101
   h. PSY 206
   i. PLS 104
   j. PSY 312, 456, 565

Students who take courses fulfilling the Natural, Physical, and Mathematical Sciences UK Core requirement that exceed the credit hours needed for the requirement itself may apply the excess to this college core requirement, accumulating credit hours until the minimum has
been fulfilled. This option applies to all Arts and Sciences students regardless of where the course was completed (e.g., main campus or transfer credit).

**Social Sciences**

1. All courses offered by Arts and Sciences departments or programs within the discipline of the social sciences including courses with the following departmental prefixes: AC, ANT, APP, ECO, GEO, GWS, PS, PSY, SOC if content is designated as a social science; also, see #3 below.

2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of social sciences:

   - ANT/LIN 319
   - ANT/ENG/LIN 515
   - ANT/ENG/LIN 516
   - ANT/JPN 321
   - CGS 500
   - ENS 200, 400
   - GEO/JPN 334
   - GEO/JPN 551

3. The following course may NOT be used in the social sciences area: GWS 201.

**Humanities**

1. Excluding the courses listed below, all courses offered by Arts and Sciences departments or programs within the disciplines of the humanities, including courses with the following prefixes: A-H, AAS, CLA, ENG, FR, GER, HIS, JPN, LAS, LIN, PHI, RS, RUS, SPA, and HON courses designated as humanities. Note exceptions in #2 and #3 below.

2. The following courses may NOT be used in the humanities areas:

   - AIS 101, 102, 201, 202, 442, 443
   - CHI 101, 102, 201, 202
   - CLA 101, 102, 131, 151, 152, 201, 202, 251, 252
   - FR 011, 101, 102, 106, 201, 202, 203, 204, 307, 310, 507, 516, 533, 570
   - GER 011, 101, 102, 201, 202, 205, 206, 211, 212, 307, 308, 310, 507, 555, 612
   - HIS 101, 102, 201, 202
   - ITA 101, 102, 201, 202
   - JPN 101, 102, 201, 202, 301, 302, 401, 402, JPN/ GEO 334, JPN/GEO 551
   - LIN 520, 521
   - PHI 120, 320
   - PS 417G, 471
   - RUS 101, 102, 201, 202, 301, 302, 403, 404, 501, 502, 520, 530
   - SPA 011, 101, 102, 103, 151, 201, 202, 203, 205, 210, 211, 215, 302, 313, 413, 501, 506, 553
   - WRD 203, 204

3. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of humanities:

   - AMS 201
   - ANT 319, 515, 516
   - ART 100
   - CGS 500
   - GWS 201, 506
   - MUS 203, 222, 301, 302, 303, 325

**College Laboratory or Field Experience Requirement**

The college requires its students to complete at least one course which includes some laboratory or field experience. In such courses the external world is observed in a controlled manner using systematic techniques and methods. A substantial portion of the course must include data collection, data analysis, and hypothetical testing under supervised conditions. The approved courses for the laboratory requirement are:

**Natural Sciences**

- Biology – BIO 111, 151, 153, 209
- Chemistry – CHE 106, 111, 113
- Physics – PHY 211, 213, 241, 242

**Geological Sciences** – GLY 111, 115, 160, 220

**Social and Behavioral Sciences**

- Anthropology – ANT 541, 585
- Geography – GEO 300
- Political Science – PS 372
- Psychology – PSY 100, 215
- Sociology – SOC 302, 303

When appropriate, other upper level courses may be used to satisfy this requirement by petition.

**MAJOR REQUIREMENTS**

A major in the College of Arts and Sciences is composed of premajor courses (except International Studies – Foreign Language and International Economics majors and Topical Studies majors) and a 42-hour program referred to as the “major requirements.” Each department has specified the requirements for their majors, which includes a minimum of 18 hours of 200-level and above courses in that department, with the provision that this minimum may be set at 15 hours by a department with approval of the Arts and Sciences Educational Policy Committee and the Undergraduate Council if there are special reasons for a lower minimum. Specific requirements for each departmental major are listed in this Bulletin under each department heading and are outlined in APEX (the electronic degree audit system) at: [myuk.uky.edu/irj/portal](http://myuk.uky.edu/irj/portal).

General requirements are as follows:

1. A premajor of at least 6 credits in the department is required, except for Topical Studies majors and International Studies – Foreign Language and International Economics majors.
2. A total of 42 credits is required in the major requirements, excluding the premajor courses.
3. 100-level courses may not be counted in the major requirements except in the area of premajor.
4. Courses *electively* taken pass-fail will not count toward UK Core, major/minor, or College requirements.
5. At least 24 credits must be in courses at the 300 level or above.
6. In addition to premajor requirements, a minimum of 18 credits in a department is required for a major.
7. At least 14 credits for the major requirements must be outside the major department.
8. An overall grade-point average of at least 2.0 in all courses listed for the major requirements, including all premajor courses. This includes all grade attempts except those used for repeat options or academic bankruptcy has been approved.

Students are expected to review and understand all degree requirements listed on the University’s online degree audit system, APEX. Students who have taken courses (200 level or above) outside the college should talk with their academic advisor to see if these courses are applicable to their major requirements.

**Topical Studies Majors**

Students who have multiple interests or interests which do not fall into departmental areas may select a topic for concentration instead of a departmental major. Topical Studies offers academic flexibility and allows students to cut across departmental and college lines in constructing meaningful and imaginative programs. Courses in several departments might be selected to pursue special interests – Asian studies, for instance. Other examples might be African American studies or human studies.

Each topical studies major is designed and directed by the student in consultation with a faculty advisor in the general area of study, and in consultation with the topical studies advisor in the A&S Advising Center and an Arts and Sciences Associate Dean.

Topical Studies is the only selective admission program in the College of Arts and Sciences. The student must have a cumulative UK grade-point standing of at least 2.5 to be accepted to Topical Studies. The specific requirements of the topical studies major are that the student must meet UK Core and College requirements, must enroll in and complete at least 30 credit hours after formal admission, and complete the 42-hour major requirements (see preceding section entitled “Major Requirements”). Except for electives, all of the student’s work must be related to the topic. Additionally, in the senior year, the student must complete a comprehensive paper or project that serves to integrate his or her topical studies field of study. Frequently, it is advantageous to begin writing this paper or project in the context of an independent work course or a seminar, with the instructor’s approval. The paper or project proposal must be approved by a faculty advisor, an Arts and Sciences Associate Dean, and the Topical Studies advisor before significant work has begun on the project. Students must submit the final paper or project for review and approval no later than eight weeks before finals during the semester the student intends to graduate. The paper should be submitted to the Associate Dean no later than six weeks before the final exam week during the semester the student intends to graduate. Departmental honors for topical studies majors are determined by the Associate Dean and the Topical Studies advisor. To be eligible for departmental honors, a student must have a cumulative GPA of at least 3.6 and a final paper or project that has been judged to be outstanding.

For more information, contact the Arts and Sciences Topical Studies advisor in the A&S Advising Center (311 Patterson Office Tower);

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or visit the Topical Studies major Web site at: www.as.uky.edu/topical-studies.

A Second Major
A student may obtain a second major by meeting all requirements in two departments. Major work in one department can, if there is a generic relationship, serve as the outside field in the second major, and vice versa. However, the International Studies major limits a maximum of 15 hours of course work from overlapping between two majors. The student must indicate his or her second major to the A&S Advising Center, 311 Patterson Office Tower. He or she must have an advisor in both departments. If one of the majors is in another college, the student is still required to know the list of requirements from the other college. The student who completes requirements for a second major will receive only one degree, but his or her transcript and diploma will reflect the two majors.

For information on second majors (not the same as second degrees), consult the Graduation Requirements section of this Bulletin.

A Second Bachelor’s Degree
A student may obtain a second bachelor’s degree by completing all university requirements for one degree; by completing all the major requirements of both degrees; and by completing all college requirements of both degrees. Courses taken towards fulfilling one degree may also count towards fulfilling parallel requirements in the other, but the total credits in the two degree programs must be at least 144 hours. Major work in one department can, if there is a generic relationship, serve as the outside field in the second major and vice versa. However, the International Studies major limits a maximum of 15 hours of course work from overlapping between two majors. The student must indicate his/her double degree in his/her primary college. If both degrees are in Arts and Sciences, he or she must have an advisor in both departments. The student may elect to receive the degrees simultaneously, if college and departmental requirements can be met simultaneously. For information regarding double degrees (not the same as second majors), consult the Graduation Requirements section of this Bulletin. Students are expected to be knowledgeable of requirements for any major in Arts and Sciences by checking the University’s online degree audit system, APEX.

Minors
The College of Arts and Sciences does not require minors. However, students can earn a minor in the following disciplines in the college:
- anthropology
- biological sciences
- chemistry
- Chinese language and literature
- classics
- economics
- English
- folklore and mythology
- French
- gender and women’s studies
- geography
- geology
- German
- history
- international studies
- linguistics
- mathematics
- philosophy
- physics
- political science
- psychology
- Russian
- sociology
- Spanish
- statistics

Interdisciplinary minors are also available in:
- African American studies
- American studies
- Appalachian studies
- cognitive science
- environmental studies
- Indian culture
- Islamic studies
- Japan studies
- Jewish studies
- Latin American studies
- Latin studies
- Middle Eastern studies
- African studies
- American studies
- Appalachian studies
- cognitive science
- environmental studies
- Indian culture
- Islamic studies
- Japan studies
- Jewish studies
- Latin American studies
- Latin studies
- Middle Eastern studies

Minors can only be awarded in conjunction with a UK undergraduate degree. Additionally, students cannot pursue a minor in the same discipline as their major. This includes the area of concentration for a Topical Studies major and International Studies major.

For more information about choosing or declaring a minor, students should review the requirements in APEX at: myuk.uky.edu/irj/portal; contact the department where the minor is offered; and/or consult the departmental section of this Bulletin. To officially declare a minor, students must complete a Declaration/Change of Major or Minor form in the A&S Advising Center, 311 Patterson Office Tower.

Awarded minors appear on the student’s final transcript but not on their diploma.

The Preparation of Teachers
Any Arts and Sciences student intending to seek teaching certification should so indicate to his or her academic advisor. The student should also contact the College of Education, 166 Taylor Education Building. As soon as the student has determined to seek certification he or she is assigned an advisor both in the College of Education and in the major department in the College of Arts and Sciences.

Students seeking certification should be sure to familiarize themselves with the requirements of both colleges. The sooner and the more thoroughly this is done, the greater the advantage to the student.

INFORMATION ON COURSES

Transfer of Kentucky Community and Technical College System (KCTCS) Courses

The college will usually apply up to six hours of technical course work taken at any accredited institution including KCTCS. Beyond these six credit hours, courses will be evaluated on an individual basis and as it applies to the student’s baccalaureate degree program.

Independent Work Courses

A junior or senior may, with prior approval of his or her faculty advisor and the instructor who would direct the work, register for an independent work course in his or her major department. Normally, a cumulative GPA of 3.0 in the major is required. In exceptional circumstances a non-major or topical studies major may be permitted to enroll in a departmental independent work course. Such a course is characterized by special assignments for study, regular conferences, reports, and usually involves preparation of a paper. The instructor in each case must file with the department evidence of the nature of the work achieved. Credit for such courses may be granted to undergraduates to an amount of not more than 12 hours.

Experiential Education and Internship Courses

The College of Arts and Sciences accepts experiential education and internship courses (such as EXP 396, departmental 399 courses,) on a pass-fail basis only, regardless of which college is offering the courses. A total of 12 credit hours in these courses may be counted toward the 120 credit hours required for graduation. For ANT 399 and SPA 399, a maximum of 15 semester credit hours can be earned. However, College of Arts and Sciences majors may only earn a maximum of six credit hours of experiential education credit (EXP) in one semester.

ROTC Program

A maximum of 16 semester credit hours earned in American Military Studies and Air Force Studies courses will be accepted towards fulfilling the 90 hours of A&S courses required and the 120 minimum number of hours needed for graduation with a baccalaureate degree in the College of Arts and Sciences, even though students typically enroll for more than 16 semester credit hours of AMS and AFS course work. However, credit received from taking AMS/HIS 320, American Military History, can apply in addition to the
16 credit hour limit earned in AMS or AFS course work. Additionally, AMS 350 (1 credit hour) can only be counted for a maximum of 4 credit hours. Please note that a maximum of one credit hour of KHP 107 will count toward degree requirements, regardless how many credits are earned.

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 degrees.

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 (AFS 111, AFS 113, AFS 211, and AFS 213). 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 student.

In the POC, there are four academic classes (AFS 311, AFS 313, AFS 411, and AFS 413). These cover Air Force management and leadership and national security studies. Entry into the POC is competitive and is based on Air Force Officer Qualifying Test scores, grade-point average, and 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.

Students enrolled as cadets are involved once a week in a one-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. During a student’s GMC program, he or she will register for AFS 112, AFS 114, AFS 212 and AFS 214 respectively. A POC cadet will attend AFS 312, AFS 314, AFS 412 and AFS 414. 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. Students are paid for their time at field 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.

ANTHROPOLOGY

The Department of Anthropology offers opportunities to learn about the diverse people of today’s world, as well as about their biological and cultural origins. This area of study deals with ecology, society, biology, culture, and language, among other aspects of human life. In addition, anthropologists study history and evolution in both a cultural and biological framework.

Anthropology provides an excellent foundation for careers in a variety of professions and occupations, including community health, public health policy, medicine and health services, planning and community development, international relations and development, private business, government, law, journalism, museum work, and university teaching and research.

Students can major or minor in anthropology. The major is structured to provide the student with a broad overview of the major subdisci-
Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (placement exam recommended) .......................................................... 0-14
II. Disciplinary Requirements
   a. Natural Science (partially completed by Premajor Requirements) ............................. 3
   b. Social Science (completed by Premajor Requirements) .............................................. 3
   c. Humanities .................................................................................................................. 6
III. Laboratory or Field Work (can be completed by Major Requirement) ......................... 6
IV. Electives ....................................................................................................................... 6

College Requirement Hours: .................... 15-29

Premaj or Requirements

ANT 220 Introduction to Cultural Anthropology ...... 3
*ANT 230 Introduction to Biological Anthropology ... 3
ANT 240 Introduction to Archaeology .................. 3

Subtotal: Premaj or Hours: ....................... 9

Major Requirements

Course Work Required for the Major

From the Major Department:

Regional Focus .................................................................................................................. 6
Choose two courses from the following: ANT 221*, 241, 242*, 320, 322, 324, 327, 342, 431G, 534, 555.

Subdisciplinary Breadth .................................................................................................... 9
Choose three courses from at least two of the following subdisciplines:

1. Archaeology
   ANT 241, 242*, 320, 322, 342, 541, 545, 555 and 585
2. Cultural Anthropology
   ANT 338, 340, 401, 429, 433, 450, 525, 526 and 532
3. Physical Anthropology
   ANT 332, 333

NOTE: ANT 350, 399, 580, 581 and other ANT courses not listed here may be used to fulfill the Regional Focus and/or Subdisciplinary Breadth requirements with the consent of the Director of Undergraduate Studies.

From Outside the Major Department

Choose 15 hours outside Anthropology at the 200+ level. 200+ level courses used to satisfy College Requirements can also be counted here.

Subtotal: Other Major hours: .................... 30

Major Core Requirements

ANT 301 History of Anthropological Theory ........... 3
ANT course related to student’s Focus of Concentration ................................................. 3
ANT 490 Anthropological Research Methods
   or
ANT 541 Archaeological Method and Theory
   or
ANT 585 Field Laboratory in Archaeological Research .................................................... 3
ANT 582 Senior Integrative Seminar ................................................................................. 3

Subtotal: Major Core Hours: .................... 12

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ................................. 4

Total Minimum Hours Required for Degree ................................................................. 120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in ANTHROPOLOGY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ANT prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ................................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................................................ 3

III. Intellectual Inquiry in the Social Sciences
ANT 101 Introduction to Anthropology
   or
ANT 102 Anthropology: Mysteries and Controversies
   or
One course from approved list ......................................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ................................................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ................................................ 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ................................................ 3

IX. Community, Culture and Citizenship in the USA
ANT 221 Native People of North America
   or
One course from approved list ......................................................... 3

X. Global Dynamics
One of the following:
   ANT 160 Cultural Diversity in the Modern World
   ANT 222 Middle East Cultures
   ANT 225 Culture, Environment and Global Issues
   ANT 242 Origins of New World Civilization
   ANT 311 Global Dreams and Local Realities in a “Flat” World
   ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present
   ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change
   or
One course from approved list ......................................................... 3

UK Core Hours ................................................................................................................ 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (placement exam recommended) .......................................................... 0-14
II. Disciplinary Requirements
   a. Natural Science (completed by Premajor Requirement) ........................................... 3
   b. Social Science (completed by Premajor Requirement) ......................................... 3
   c. Humanities .................................................................................................................. 3
III. Laboratory or Field Work (can be completed by Major Requirement) ......................... 6
IV. Electives ....................................................................................................................... 6

College Requirement Hours: .................... 9-23

Premajor Requirements

ANT 220 Introduction to Cultural Anthropology ...... 3
*ANT 230 Introduction to Biological Anthropology ... 3
ANT 240 Introduction to Archaeology .................. 3

Premaj or hours: .............................................. 9

Major Requirements

Course Work Required for the Major

From the Major Department:

Regional Focus .................................................................................................................. 6
Choose two courses from the following: ANT 221*, 241, 242*, 320, 322, 324, 327, 342, 431G, 534, 555.

Subdisciplinary Breadth .................................................................................................... 9
Choose three courses from at least two of the following subdisciplines:

1. Archaeology
   ANT 241, 242*, 320, 322, 342, 541, 545, 555 and 585
2. Cultural Anthropology
   ANT 338, 340, 401, 429, 433, 450, 525, 526 and 532
3. Physical Anthropology
   ANT 332, 333

NOTE: ANT 350, 399, 580, 581 and other ANT courses not listed here may be used to fulfill the Regional Focus and/or Subdisciplinary Breadth requirements with the consent of the Director of Undergraduate Studies.

From Outside the Major Department

Choose 15 hours outside Anthropology at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here.

Subtotal: Other Major hours: .................... 30

Major Core Requirements

ANT 301 History of Anthropological Theory ........... 3
ANT course related to student’s Focus of Concentration ................................................. 3
ANT 490 Anthropological Research Methods
   or
ANT 541 Archaeological Method and Theory
   or
ANT 585 Field Laboratory in Archaeological Research .................................................... 3
ANT 582 Senior Integrative Seminar ................................................................................. 3

Subtotal: Major Core Hours: .................... 12

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ................................. 4

Total Minimum Hours Required for Degree ................................................................. 120

*Course used towards completion of a UK Core Requirement.
**Biology Major Requirements**

**Premajor Requirements**

- BIO 148 Introductory Biology I ................................. 3
- BIO 152 Principles of Biology II ................................. 3
- BIO 155 Laboratory for Introductory Biology I .......... 1
- *CHE 105 General College Chemistry I ........................ 3
- *CHE 111 Laboratory to Accompany General Chemistry I ..................... 1
- CHE 107 General College Chemistry II .................. 3
- CHE 113 Laboratory to Accompany General Chemistry II ..................... 2
- MA 137 Calculus I With Life Science Applications 
  or
- *MA 113 Calculus I
  or
- *MA 123 Elementary Calculus and its Applications ...................... 3-4
- Free Elective .................................................................. 0-1

**Major Requirements**

Minimum major requirement for graduation is 55 credit hours in courses as detailed below. The minimum GPA of all major and premajor courses must be at least 2.0.

**First Tier Core**

- BIO 303 Introduction to Evolution ................................. 4
- BIO 304 Principles of Genetics .................................... 4

**Second Tier Core**

To be taken after completion of First Tier Core.

- Choose two of the following to complete 8 hours:
  - BIO 350 Animal Physiology
  - BIO 430G Plant Physiology ....................................... 4
  - BIO 315 Introduction to Cell Biology ......................... 4
  - BIO 325 Ecology .................................................. 4
  - plus:
    - Statistics (any UK Core Statistical Reasoning course) .......... 3
  - BIO 425 Biology Seminar (Subtitle required)
  - BIO 499 Biology Research Seminar ................................ 1

**Core Hours** ................................................................ 20

**College Requirements**

- Humanities – two courses ......................................... 6
- Social Science – two courses ...................................... 6
- Third and fourth semesters of language ..................... 6
- Free Electives .......................................................... 6
- Lab or Field Experience – satisfied by major
- Graduation Writing Requirement (choose any GWR Humanities 300-level course; this will also count as one of the two Humanities courses in the College Requirements)

**UK Core Hours** ..................................................... 31-32

**Other Course Work Required for the Major**

From Outside the Major Department

- CHE 236/231 Survey of Organic Chemistry/ 
  Organic Chemistry Laboratory I ................................. 5
- *PHY 211 General Physics
- OR
- *PHY 151 Introduction to Physics ................................ 3-5
- **PHY 151 is not accepted for admission into Medical, 
  Dental or Pharmacy School. Check with your advisor 
  before choosing a physics course.

**Other Major Hours**: .............................................. 8-10

**Options**

Complete one of the following options. Students cannot mix and match requirements from the two options. An option must be completed in its entirety.

**Option A – Minor Option**

**NOTE**: Fourteen of these hours must be at the 300-level or above.

Complete the requirements for any minor other than the biology minor ................................................. 18-21

**Biology Electives** .................................................... 4-9

**Biology Electives – One course must have a lab, which may be BIO 395. A maximum of only 3 credits of BIO 395 may be used in this section.**

If students double-dip major and minor requirements, additional biology electives must be taken to meet the graduation requirement of 55 hours for the B.A. in Biology.

**Total Hours Option A** ................................................. 25-27

**Option B – Topical Focus Option**

**NOTE**: Fourteen of these hours must be at the 300-level or above.

Complete a 12 credit hour sequence of courses with a topical focus. At least 6 of these hours must be at the 300-level or above ........................................................................... 12

**NOTE**: Students who have multiple interests or interests that do not fall into the requirements for a minor offered at the University of Kentucky may select a 12 credit hour sequence of courses with a topical focus. Courses in several disciplines and in the various interdisciplinary programs may be combined to pursue the topical focus. Students interested in pursuing Option B must have the 12 credit hour sequence of courses APPROVED IN ADVANCE by the Director of Undergraduate Studies, Department of Biology. Students must submit an Approval of Topical Focus Form to the 

**Director of Undergraduate Studies.**

**Biology Electives** .................................................... 13-15

**Biology Electives – One course must have a lab, which may be BIO 395. A maximum of 6 credits of BIO 395 may be used in this section.**

**Total Hours Option B** ................................................. 25-27

Acceptable biology electives from outside the Department.

Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology:

- **A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)**
- **ABT 460**
- **ANA 511, 512, 516 (some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students)**
- **ANT 332**
- **ASC 364, 378**
- **BCH 401G**
College of Arts and Sciences

ENT 310, 320, 360, 402, 460, 561, 564, 568 (*ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/EKT/ENT/PLS 360.)
FOR 315, 340, 375, 402
FSC 530
GLY 401G
MI 494G, 595, 598
NRE 320, 420G, 450G, 455G
PGY 412G, 560 (*PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 410G)
PLS 320, 330, 332, 366, 367, 450G, 502, 566, 567
PPA 400G
PSY 456, 459
STA 570, 580 (Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.)

Bachelor of Science with a major in BIOLOGY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ............................. 3
CHE 111 Laboratory to Accompany General Chemistry I ............................. 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............................. 3

VII. Quantitative Foundations
Choose one course from approved list ............................. 3-4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

UK Core Hours .................................. 31-32

College Requirements

Humanities – one course ........................................ 3
Social Science – one course ......................................... 3
Third and fourth semesters of language ....................... 6
Free Electives ...................................................... 6
Lab or Field Experience – satisfied by major Graduation Writing Requirement (choose any GWR Humanities 300-level course; this will also count as one of the two Humanities courses in the College Requirements)

General Education and College hours: ...................... 48 (39)

Premajor Requirements

BIO 148 Introductory Biology I ......................................... 3
BIO 152 Principles of Biology II ......................................... 3
BIO 155 Laboratory for Introductory Biology I .................. 1
*CHE 105 General College Chemistry I ............................. 3
*CHE 111 Laboratory to Accompany General Chemistry I ............................. 1
CHE 107 General College Chemistry II ............................. 3
CHE 113 Laboratory to Accompany General Chemistry II ............................. 2
MA 137/138 Calculus I/II With Life Science Applications
or *MA 113/114 Calculus I/II ........................................ 8

Premajor hours: ........................................ 24

Major Requirements

Minimum major requirement for graduation is 57 credit hours in courses not open to freshmen. The minimum GPA of all major and premajor courses must be at least 2.0.

Major Core
First Tier Core
BIO 303 Introduction to Evolution .................................. 4
BIO 304 Principles of Genetics ........................................ 4

Second Tier Core
To be taken after completion of First Tier Core.
BIO 315 Introduction to Cell Biology .................................. 4
BIO 325 Ecology ..................................................... 4
BIO 350 Animal Physiology
or BIO 450G Plant Physiology ........................................... 4
Statistics (take any UK Core Statistical Reasoning course) ........................................ 3
BIO 425 Biology Seminar (Subtitle required)
or BIO 499 Biology Research Seminar ................................. 1

Core hours: ........................................ 24

Other Course Work Required for the Major
From Outside the Major Department
CHE 230 Organic Chemistry I ........................................... 3
CHE 231 Organic Chemistry Laboratory I .................................. 2
CHE 232 Organic Chemistry II ........................................... 3
*PHY 211/213 General Physics
or 231/241 General University Physics/Laboratory
PHY 232/242 General University Physics/Laboratory ................. 10

Biology Electives
Choose 15 hours of acceptable biology electives ............ 15

Fifteen hours to be chosen from 200+ level BIO courses (excluding BIO 208) or the list below. Two courses must have labs, one of which may be BIO 395. A maximum of 6 credits of BIO 395 may be used as electives in this section. A total of 6 hours of Independent Research (395) from biological sciences departments may be counted within the 15 hour requirement; however, only BIO 395 is accepted for honors in biology. NOTE: ANA 209, BIO 208 and PGY 206 cannot be used for this requirement.

Other Major hours: ........................................ 33

Acceptable biology electives from outside the Department.
Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology:
A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)
ABT 460
ANA 511, 512, 516 (some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students)
ANT 332
ASC 364, 378
BCH 401G
ENT 310, 320, 360, 402, 460, 561, 564, 568 (*ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/EKT/ENT/PLS 360.)
FOR 315, 340, 375, 402
FSC 530
GLY 401G
MI 494G, 595, 598
NRE 320, 420G, 450G, 455G
PGY 412G, 560 (*PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 410G)
PLS 320, 330, 332, 366, 367, 450G, 502, 566, 567
PPA 400G
PSY 456, 459
STA 570, 580 (Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.)

TOX 509

Total Minimum Hours Required for Degree .................. 120

*Course used towards completion of a UK Core Requirement.

Minor in Biological Sciences

A minimum of 21 semester hours is required for the minor in biological sciences, to be distributed as follows:

Preminor Requirements
BIO 148 Introductory Biology I ......................................... 3
BIO 152 Principles of Biology II ......................................... 3
BIO 155 Laboratory for Introductory Biology I .................. 1

Minor Requirements
BIO 303 Introduction to Evolution .................................. 4
BIO 304 Principles of Genetics ........................................ 4

Minor Electives
Approved BIO or other courses at the 200 level or above. Up to 3 hours of BIO 395, Research in Biology, may be counted here.
CHEMISTRY

The Department of Chemistry offers the Bachelor of Science degree for students who intend to become professional chemists or do graduate work in chemistry or a closely related discipline. There are two options in the B.S. program: a traditional version covering all the major areas of chemistry, and an option that emphasizes biochemistry. Both degree options are certified by the American Chemical Society. A Bachelor of Arts degree program is offered as well for students who want greater flexibility in the selection of courses in other fields of science. The B.A. is designed particularly for students planning to enter the professional health fields, to teach in secondary schools, or to work in such varied areas as ecology, criminal justice, materials science, patent law, or technical service and sales. The Department also offers the Master of Science and the Doctor of Philosophy degrees.

Bachelor of Arts with a major in CHEMISTRY

122 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. Please also note that the Organic Chemistry Sequence (CHE 230/231/232/233) will count towards completion of this requirement. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ............... 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ............... 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ............... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

CHE 105 General College Chemistry I ................. 3
CHE 111 Laboratory to Accompany
General Chemistry I ............................................ 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ... 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II .... 3

VII. Quantitative Foundations

MA 113 Calculus I .............................................. 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list ............... 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ............... 3

X. Global Dynamics

Choose one course from approved list ............... 3

UK Core Hours ..................................................... 32

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (placement exam recommended) ........................................... 0-14
II. Disciplinary Requirements
   a. Natural Science (completed by Major Requirements) .................................. 6
   b. Social Science ......................................................................................... 6
   c. Humanities ............................................................................................. 6
III. Laboratory or Field Work (completed by Premajor Requirement) ............. 6
IV. Electives ...................................................................................... 6-18

College Requirement hours: ......................... 18-32

Premajor Requirements

*MA 113 Calculus I

or

MA 132 Calculus for the Life Sciences .......... 3-4

MA 114 Calculus II .............................................. 4

*CHE 105 General College Chemistry I .......... 3

*CHE 107 General College Chemistry II .......... 3

*CHE 111 Laboratory to Accompany
General Chemistry I ............................................ 1

CHE 113 Laboratory to Accompany
General Chemistry II ........................................... 2

Premajor hours: ............................................... 16-17

Major Requirements

Major Core Requirements

CHE 226 Analytical Chemistry ......................... 3

CHE 230 Organic Chemistry I ............................ 3

CHE 231 Organic Chemistry Laboratory I ......... 2

CHE 232 Organic Chemistry II ............................. 3

CHE 233 Organic Chemistry Laboratory II ......... 2

CHE 440G Introductory Physical Chemistry ....... 4

CHE 441G Physical Chemistry Laboratory ........... 2

CHE 572 Communication in Chemistry
(two semesters) .................................................... 2

Major Core hours: .............................................. 21

Other Course Work Required for the Major

Chemistry Major Field Options

Choose 21 hours at the 300-500 level with a prefix of ANA, BACH, BIO, CHE, CME, CS, GLY, MA, MI, MSE, PAT, PGY, PHA, PHIR, PHY, PM, RM, or STA. Credit will not be given for both BCH 401G and CHE 550 or CHE 552. At least 5 of these hours must be in CHE courses; at least 4 hours must be taken outside CHE. Up to 9 hours of CHE 395 are recommended for students having a minimum GPA of 3.0 in CHE courses. Other courses may be approved by the Undergraduate Program Committee. Students working towards teaching accreditation may count 6 hours taken at the 300+ level from the College of Education. A maximum of 9 hours in undergraduate research or reading courses may be counted; such courses require approval of the Undergraduate Program Committee if the courses do not carry the CHE prefix .... 21

From the Physics Department

*PHY 211/213 General Physics
or

*PHY 231/233 General University Physics and

*PHY 241/242 General University Physics Laboratory ........................................ 10

Other Major hours: ........................................... 31

Total Minimum Hours Required for Degree ........ 122

*Any language may be used to satisfy the College Foreign Language requirements – German is recommended.

*Course used towards completion of a UK Core Requirement.

Curriculum for B.A. in Chemistry

Freshman Year

First Semester Hours

CHE 105 General College Chemistry I ................. 3
CHE 111 Laboratory to Accompany

General Chemistry I ............................................. 1

CIS/WRD 110 Composition and Communication I .... 3

MA 113 Calculus I ................................................... 4

UK Core ............................................................. 3

Second Semester

CHE 107 General College Chemistry II ............... 3

CHE 113 Laboratory to Accompany

General Chemistry II ............................................ 2

MA 114 Calculus ................................................... 4

CIS/WRD 111 Composition and Communication II .... 3

UK Core ............................................................. 3

Sophomore Year

First Semester Hours

CHE 230 Organic Chemistry I ............................ 3

CHE 231 Organic Chemistry Laboratory I .......... 2

PHY 211 General Physics ...................................... 5

STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning ............. 3

UK Core ............................................................. 3

Second Semester

CHE 226 Analytical Chemistry ......................... 3

CHE 232 Organic Chemistry II ............................. 3

CHE 233 Organic Chemistry Laboratory II ......... 2

PHY 213 General Physics ...................................... 5

A&S Humanities/Social Science ......................... 3

Junior Year

First Semester Hours

CHE 440G Introductory Physical Chemistry ......... 4

Foreign Language I .............................................. 4

UK Core ............................................................. 3

Major Field Option* ............................................ 3

Second Semester

CHE 441G Physical Chemistry Laboratory .......... 2

CHE 572 Communication in Chemistry ............... 1

Foreign Language II .......................................... 4

A&S Humanities/Social Science ......................... 3

Major Field Option* ............................................ 6

Senior Year

First Semester Hours

Free Elective (A&S) .............................................. 3

Foreign Language III .......................................... 3

Major Field Option* ............................................ 3

A&S Humanities/Social Science ......................... 3

Second Semester

CHE 572 Communication in Chemistry ............... 1

Major Field Options* ........................................... 6

A&S Humanities/Social Science ......................... 3

UK Core ............................................................. 3

Electives ........................................................... 3

*Major field options (21 credits) must be chosen from courses at the 300- to 500-level with the prefixes CHE, ANA, BCH, BIO, CME, CS, GLY, MA, MI, MSE, PAT, PGY, PHA, PHIR, PHY, PM, RM or STA. Credit will not be given for both BCH 401G and CHE 550 or CHE 552. Other courses may be approved as Major Field Options by the Undergraduate
Bachelor of Science with a major in CHEMISTRY

Traditional Option

123 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ............................. 3
CHE 111 Laboratory to Accompany General Chemistry I ....................................................... 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........ 3

VII. Quantitative Foundations
MA 113 Calculus I ........................................................... 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

UK Core Hours ................................................................ 32

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ..... 3

College Requirements

I. Foreign Language (placement exam recommended) ....... 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) .... 3
b. Social Science ........................................................... 3
c. Humanities ................................................................ 3

III. Laboratory or Field Work (completed by Premajor Requirement)

IV. Electives .................................................................... 6

Premajor Requirements

*MA 113 Calculus I ......................................................... 4
MA 114 Calculus II ........................................................... 4
*CHE 105 General College Chemistry I ............................. 3
CHE 107 General College Chemistry II .............................. 3
*CHE 111 Laboratory to Accompany General Chemistry I ....................................................... 1
CHE 113 Laboratory to Accompany General Chemistry II .... 2

Premajor hours: ......................................................... 17

Major Requirements

Major Core Requirements
CHE 226 Analytical Chemistry ....................................... 3
CHE 230 Organic Chemistry I ........................................... 3
CHE 231 Organic Chemistry Laboratory I .......................... 2
CHE 232 Organic Chemistry II ......................................... 3
CHE 410G Inorganic Chemistry ...................................... 2
CHE 412G Inorganic Chemistry Laboratory ..................... 2
CHE 441G Physical Chemistry Laboratory ....................... 3
CHE 442G Thermodynamics and Kinetics ........................ 3
MA 522 Instrumental Analysis ....................................... 4
CHE 532 Spectrometric Identification of Organic Compounds ....................................................... 2
CHE 533 Qualitative Organic Analysis Laboratory ............ 3
CHE 547 Principles of Physical Chemistry I ........................ 3
CHE 550 Biological Chemistry I ..................................... 3
CHE 552 Biological Chemistry II .................................... 3
CHE 572 Communication in Chemistry (two semesters) .... 2

Major Core hours: ...................................................... 36

Other Course Work Required for the Major
From the Major Department:
Chemistry Major Field Options ...................................... 6
Choose six hours from the following: up to six hours of CHE 395, any CHE 500-level course except for those required (CHE 522/532/533/(550 or 552)/572); BCH 401G.

From the Mathematics Department
MA 213 Calculus III ......................................................... 4
MA 322 Matrix Algebra and its Applications .................... 3

From the Physics Department
*PHY 231/232 General University Physics ....................... 8
*PHY 241/242 General University Physics Laboratory ........ 2

Other Major hours: ....................................................... 23

Total Minimum Hours Required for Degree ...................... 123

*Any language may be used to satisfy the College Foreign Language requirements – German is recommended.

*Course used towards completion of a UK Core Requirement.

Curriculum for B.S. in Chemistry

Traditional Option

Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 105 General College Chemistry I ...</td>
<td>3</td>
</tr>
<tr>
<td>CHE 111 Laboratory to Accompany General Chemistry I ...</td>
<td>1</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I ...</td>
<td>3</td>
</tr>
<tr>
<td>MA 113 Calculus I ...</td>
<td>4</td>
</tr>
<tr>
<td>UK Core ...</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Semester

| CHE 107 General College Chemistry II ... | 3 |
| CHE 113 Laboratory to Accompany General Chemistry II ... | 2 |
| MA 114 Calculus II ... | 4 |
| CIS/WRD 111 Composition and Communication II ... | 4 |
| UK Core ... | 3 |

Sophomore Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 226 Analytical Chemistry ...</td>
<td>3</td>
</tr>
<tr>
<td>CHE 230 Organic Chemistry I ...</td>
<td>3</td>
</tr>
<tr>
<td>MA 213 Calculus III ...</td>
<td>4</td>
</tr>
<tr>
<td>PHY 231 General University Physics ...</td>
<td>4</td>
</tr>
<tr>
<td>PHY 241 General University Physics Laboratory ...</td>
<td>1</td>
</tr>
</tbody>
</table>

Second Semester

| CHE 231 Organic Chemistry Laboratory I ... | 2 |
| CHE 232 Organic Chemistry II ... | 3 |
| MA 322 Matrix Algebra and Its Applications ... | 3 |
| PHY 232 General University Physics ... | 4 |
| PHY 242 General University Physics Laboratory ... | 1 |
| UK Core ... | 3 |

Junior Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 547 Principles of Physical Chemistry I ...</td>
<td>3</td>
</tr>
<tr>
<td>CHE 532 Spectrometric Identification of Organic Compounds ...</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language I* ...</td>
<td>4</td>
</tr>
<tr>
<td>STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ...</td>
<td>3</td>
</tr>
<tr>
<td>A&amp;S Humanities/Social Science ...</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Semester

| CHE 410G Inorganic Chemistry ... | 2 |
| CHE 441G Physical Chemistry Laboratory ... | 2 |
| CHE 442G Thermodynamics and Kinetics ... | 3 |
| CHE 533 Qualitative Organic Analysis Laboratory ... | 2 |
| CHE 572 Communication in Chemistry ... | 3 |
| Foreign Language II* ... | 4 |
| A&S Humanities/Social Science ... | 3 |

Senior Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 412G Inorganic Chemistry Laboratory ...</td>
<td>2</td>
</tr>
<tr>
<td>CHE 522 Instrumental Analysis ...</td>
<td>4</td>
</tr>
<tr>
<td>CHE 550 Biological Chemistry I ...</td>
<td>3</td>
</tr>
<tr>
<td>CHE 552 Biological Chemistry II ...</td>
<td>3</td>
</tr>
<tr>
<td>CHE 572 Communication in Chemistry ...</td>
<td>3</td>
</tr>
</tbody>
</table>

*Any foreign language sequence satisfying the College of Arts and Sciences requirement in foreign languages may be taken. German is recommended.
Certification Requirements
The B.S. degree is certified by the American Chemical Society.

Bachelor of Science with a major in CHEMISTRY

Biochemistry Option
128 hours
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list.......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list.......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list.......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ...................... 3
CHE 111 Laboratory to Accompany General Chemistry I ......................................................... 1
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
MA 113 Calculus I ..................................................... 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list.......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list.......................... 3

X. Global Dynamics
Choose one course from approved list.......................... 3

UK Core Hours .................................................. 32

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ........................... 3

College Requirements
I. Foreign Language (placement exam recommended) .................................................. 0-14
II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) ............................................. 3
b. Social Science ......................................................... 3
c. Humanities ........................................................... 3
III. Laboratory or Field Work (completed by Premajor Requirement)

IV. Electives ........................................................... 6

College Requirement hours: .............................. 12-26

Premajor Requirements
*MA 113 Calculus I ..................................................... 4
MA 114 Calculus II ..................................................... 4
*CHE 105 General College Chemistry I ....................... 3
CHE 107 General College Chemistry II ....................... 3
*CHE 111 Laboratory to Accompany General Chemistry I .................................................. 1
CHE 113 Laboratory to Accompany General Chemistry II .................................................. 2
BIO 150 Principles of Biology I .................................... 3
BIO 151 Principles of Biology Laboratory I .................. 2
BIO 152 Principles of Biology II ................................... 3
BIO 153 Principles of Biology Laboratory II .................. 2

Premajor hours: ..................................................... 27

Major Requirements

Major Core Requirements
CHE 226 Analytical Chemistry .................................. 3
CHE 230 Organic Chemistry I .................................... 3
CHE 231 Organic Chemistry Laboratory I .................. 2
CHE 232 Organic Chemistry II .................................... 3
BIO 304 Principles of Genetics
or BIO 308 General Microbiology
or BIO 315 Introduction to Cell Biology ....................... 3-4
CHE 410G Inorganic Chemistry Laboratory .................. 2
CHE 412G Inorganic Chemistry Laboratory .................. 2
CHE 440G Introductory Physical Chemistry ................. 4
CHE 441G Physical Chemistry Laboratory .................... 2
CHE 522 Instrumental Analysis
or CHE 532/533 Spectrometric Identification of Organic Compounds/Qualitative Organic Analysis Laboratory ......................................................... 4
CHE 550 Biological Chemistry I .................................. 3
CHE 552 Biological Chemistry II ................................ 3
CHE 554 Biological Chemistry Laboratory ................... 2
CHE 572 Communication in Chemistry
(two semesters) ........................................................ 2

Major Core hours: ..................................................... 38

Other Course Work Required for the Major
From the Major Department:
CHEM Major Field Options ....................................... 4
Major Field Options must be chosen from the following:
CHE 395; or any CHE 500-level course except for those required. CHE 395 is strongly recommended for students having a minimum 3.0 GPA in chemistry courses.

From the Mathematics Department
MA 213 Calculus III .................................................. 4

From the Physics Department
*PHY 231/232 General University Physics .................. 8
*PHY 241/242 General University Physics Laboratory ........ 2

Other Major hours: ................................................... 18

Electives
Choose electives to lead to the minimum total of 128 hours required for graduation.

Total Minimum Hours Required for Degree ........................................ 128

*Course used towards completion of a UK Core Requirement.

Curriculum for B.S. in Chemistry

Biochemistry Option

Freshman Year
First Semester Hours
CHE 105 General College Chemistry I ...................... 3
CHE 111 Laboratory to Accompany General Chemistry I .................................................. 1
MA 113 Calculus I ..................................................... 4
CIS/WRD 110 Composition and Communication I ....... 3
UK Core ................................................................. 3

Second Semester
CHE 107 General College Chemistry II ...................... 3
CHE 113 Laboratory to Accompany General Chemistry II .................................................. 2
MA 114 Calculus II ..................................................... 4
BIO 150 Principles of Biology I .................................... 3
BIO 151 Principles of Biology Laboratory I .................. 2
BIO 153 Principles of Biology Laboratory II .................. 2

Sophomore Year
First Semester Hours
CHE 230 Organic Chemistry I .................................... 3
BIO 152 Principles of Biology II ................................... 3
BIO 153 Principles of Biology Laboratory II .................. 2
MA 213 Calculus III .................................................... 4
PHY 231 General University Physics ......................... 4
PHY 241 General University Physics Laboratory ............ 1

Second Semester
CHE 231 Organic Chemistry Laboratory I .................. 2
CHE 232 Organic Chemistry II ................................... 3
CHE 226 Analytical Chemistry ................................... 3
PHY 232 General University Physics ......................... 4
PHY 242 General University Physics Laboratory .......... 1
UK Core ................................................................. 3

Junior Year
First Semester Hours
*CHE 440G Introductory Physical Chemistry ............... 4
CHE 522 Instrumental Analysis ..................................... 4
or CHE 532 Spectrometric Identification of Organic Compounds ........................................... 2
CHE 550 Biological Chemistry I .................................. 3
A&S Humanities/Social Science .................................. 3
UK Core ................................................................. 3

Second Semester
CHE 410G Inorganic Chemistry .................................. 2
CHE 533 Qualitative Organic Analysis Laboratory (if CHE 532 taken) ................................... 2
CHE 552 Biological Chemistry II ................................ 3
CHE 554 Biological Chemistry Laboratory ................... 2
BIO 304 Principles of Genetics
or BIO 308 General Microbiology
or BIO 315 Introduction to Cell Biology ....................... 3-4
Foreign Language** ................................................ 4

Senior Year
First Semester Hours
CHE 412G Inorganic Chemistry Laboratory .................. 2
Major Field Option ................................................... 2
CHE 572 Communication in Chemistry ....................... 1
A&S Humanities/Social Science .................................. 3
UK Core ................................................................. 3
Foreign Language** ................................................ 4
EARTH AND ENVIRONMENTAL SCIENCES

The earth and environmental sciences encompass a variety of studies of our planet, including considerations of composition, structure, prehistoric life, internal and surficial processes, and history. These studies have applications in the discovery and use of mineral resources, energy sources, and water; in protection of the environment; and in planning for the impact of natural hazards (earthquakes, landslides, etc.) on societal development. Students undertake the study of earth and environmental sciences in the classroom, laboratory, and field.

Students in earth and environmental sciences earn the Bachelor of Science or Bachelor of Arts degree with a major in Geology. The B.S. program is designed for students who plan a career as a professional geologist or who plan to attend graduate school. The B.A. program is designed for students planning a career in government policy relating to earth science and environmental issues, earth-science education, business (environmental consulting), environmental law, or environmental medicine.

Bachelor of Arts with a major in GEOLOGY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list .................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................. 3

X. Global Dynamics
Choose one course from approved list .................. 3

UK Core Hours ....................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ...... 3

College Requirements

I. College Requirements I
Foreign Language placement exam recommended ........ 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) 
b. Social Science (can be partially fulfilled by Major Requirements) .... 3

c. Humanities ....................................................... 6

III. Laboratory or Field Work (completed by Premajor Requirement)

IV. Electives .......................................................... 6

College Requirement hours: ......................... 15-29

Premajor Requirements

*CHE 105 General College Chemistry I .................. 3
*CHE 111 Laboratory to Accompany General Chemistry I ............................................. 1

GLY 220 Principles of Physical Geology or
GLY 223 Introduction to Geology in the Rocky Mountains ........................................... 4-6

GLY 295 Geoscience Orientation ....................... 1

*MA 123 Elementary Calculus and its Applications or
*MA 113 Calculus I .................................................... 3-4

PHY 151 Introduction to Physics or
*PHY 211 General Physics or
*PHY 231/241 General University Physics/Lab ...... 3-5

Premajor hours: .................................................. 15-20

Major Requirements

Major Core Requirements
GLY 230 Fundamentals of Geology I ...................... 3
GLY 235 Fundamentals of Geology II ..................... 3
GLY 350 Regional Historical Geology .................... 3
GLY 360 Mineralogy ............................................... 4
GLY 420G Structural Geology ................................. 4
GLY 459G Sedimentary Geology ............................ 4
GLY 461 Igneous and Metamorphic Petrology ........ 4

Major Core hours: .............................................. 25

Other Course Work Required for the Major

From the Major Department:

Elective I ............................................................... 6

Choose six hours of GLY courses at the 400+ level, not to include GLY 495 or 496

Elective II ............................................................. 6

Choose six additional hours of 300+ GLY or related courses
NOTE: Fourteen hours at the 200 level or higher must be completed outside Geology. Partial fulfillment of this requirement can be completed by the PHY Sequence and GLY Elective II Requirements if necessary. Other Major hours: ................................ 8-10  
Total Minimum Hours Required for Degree .................. 120  
*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in GEOLOGY

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ................................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .............. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............. 3

VII. Quantitative Foundations
Choose one course from approved list ................................ 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ................................ 3

X. Global Dynamics
Choose one course from approved list ................................ 3

UK Core Hours ..................................................... 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement: .......................... 3

College Requirements
I. Foreign Language (placement exam recommended) .............. 0-14
II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) ............ 4
b. Social Science ..................................................... 3
c. Humanities .......................................................... 3
III. Laboratory or Field Work (completed by Premajor Requirement)
IV. Electives ......................................................... 6
College Requirement hours: ..................................... 12-26

Premajor Requirements
*MA 113 Calculus I .................................................. 4
MA 114 Calculus II .................................................... 4
*CHE 105 General College Chemistry I .............................. 3
*CHE 111 Laboratory to Accompany General Chemistry I ......... 1
CHE 107 General College Chemistry II .............................. 3
CHE 113 Laboratory to Accompany General Chemistry II ........ 2
GLY 220 Principles of Physical Geology or
GLY 223 Introduction to Geology in the Rocky Mountains ........ 4-6
GLY 230 Fundamentals of Geology I ................................. 3
GLY 235 Fundamentals of Geology II ................................ 3
GLY 295 Geoscience Orientation .................................... 1
Premajor hours: .................................................... 28-30

Major Requirements
Major Core Requirements
GLY 323 Field Work in Regional Geology ......................... 6
GLY 360 Mineralogy .................................................. 4
GLY 420G Structural Geology ....................................... 4
GLY 450G Sedimentary Geology ................................... 4
GLY 461 Igneous and Metamorphic Petrology .................... 4
GLY 490 Earth Dynamics ............................................. 3

Major Core hours: ............................................... 25

Other Course Work Required for the Major
From the Major Department:
Electic I ....................................................................... 6
Choose six hours of GLY courses at the 400+ level, not to include GLY 495 or 496

Electic II ..................................................................... 6
Choose six additional hours of 300+ GLY or related courses
From the Physics Department
*PHY 211/213 General Physics or
*PHY 231/232/241/242 General University Physics 10
NOTE: Fourteen hours at the 200 level or higher must be completed outside Geology. Partial fulfillment of this requirement can be completed by the PHY Sequence and GLY Elective II Requirements if necessary. Other Major hours: ................................ 22

Total Minimum Hours Required for Degree .................. 123
*Course used towards completion of a UK Core Requirement.

Minor in Geology

Minor in Geology Hours
The minor consists of nineteen hours to include:
GLY 220 Principles of Physical Geology ......................... 4
GLY 230 Fundamentals of Geology I .............................. 3
GLY 235 Fundamentals of Geology II ................................ 3
Plus nine hours in GLY courses at the 300 level or higher .... 9

Bachelor of Arts with a major in ECONOMICS

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list .............................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .............................. 3

X. Global Dynamics
Choose one course from approved list .............................. 3

UK Core Hours ....................................................... 22

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement: .......................... 3

ECONOMICS

The Department of Economics offers theoretical and applied courses in diverse areas including microeconomics, macroeconomics, labor, money and banking, international economics, public economics, and industrial organization. It provides an opportunity for the student to pursue his or her interests within the framework of a liberal arts education.

The department offers programs leading to different undergraduate degrees – a Bachelor of Science in the Gatton College of Business and Economics, a Bachelor of Arts and a Bachelor of Science with a major in economics in the College of Arts and Sciences, and a Bachelor of Arts and a Bachelor of Science with a major in mathematical economics. The distinctions among these degrees lie primarily in the required supporting courses in the various programs. (For students wishing to major in economics through the Gatton College of Business and Economics, please refer directly to that college’s section in the Bulletin. Mathematical economics majors should refer directly to that section of the Bulletin under the College of Arts and Sciences.)
Bachelor of Science with a major in ECONOMICS

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a prefix of ECO are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this 60-hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- **I. Intellectual Inquiry in Arts and Creativity**
  - Choose one course from approved list: 3
- **II. Intellectual Inquiry in the Humanities**
  - Choose one course from approved list: 3
- **III. Intellectual Inquiry in the Social Sciences**
  - Choose one course from approved list: 3
- **IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
  - Choose one course from approved list: 3
- **V. Composition and Communication I**
  - CIS/WRD 110 Composition and Communication I: 3
- **VI. Composition and Communication II**
  - CIS/WRD 111 Composition and Communication II: 3
- **VII. Quantitative Foundations**
  - MA 123 Elementary Calculus and its Applications or MA 113 Calculus I: 3
- **VIII. Statistical Inferential Reasoning**
  - Choose one course from approved list: 3
- **IX. Community, Culture and Citizenship in the USA**
  - Choose one course from approved list: 3
- **X. Global Dynamics**
  - Choose one course from approved list: 3

**UK Core Hours**: 12

**Other Course Work Required for the Major**

- **From the Major Department:**
  - Choose 9-15 hours of 300+ level economics courses: 9-15
- **From Outside the Major Department**
  - Choose 15-21 hours outside Economics at the 200+ level, with at least six hours in two different departments. These courses are generally chosen from the following departments: Anthropology, Computer Science, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics, or courses offered by the College of Business and Economics. 200+ level courses used to satisfy College Requirements can also be counted here: 15-21

**Other Major hours**: 30

**Electives**

Choose electives to lead to the minimum total of 60 science hours and 120 earned hours required for graduation: 7

**Total Minimum Hours Required for Degree**

**120**

*Course used towards completion of a UK Core Requirement.*

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**Minor in Economics**

Hours

The minor consists of eighteen hours to include:

- ECO 201 Principles of Economics I: 3
- ECO 202 Principles of Economics II: 3
- ECO 401 Intermediate Microeconomic Theory or ECO 402 Intermediate Macroeconomic Theory: 3

Three additional economics courses at the 300-level or above: 9

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**ENGLISH**

The Department of English offers a wide variety of courses in English and American literature as well as in linguistics, film, creative writing, cultural studies, and composition. Undergraduate majors may also choose a curriculum that leads to a teaching certificate.

Both majors and nonmajors will find many courses that offer opportunities to deepen their acquaintance with their own culture and its heritage, to enlarge their understanding of the human condition, and to develop their capacity to use and appreciate their own language.
College of Arts and Sciences

Bachelor of Arts with a major in ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list. .......................... 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list. .......................... 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list. .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list. .......................... 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ............ 3

VII. Quantitative Foundations

Choose one course from approved list. .......................... 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list. .......................... 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list. .......................... 3

X. Global Dynamics

Choose one course from approved list. .......................... 3

UK Core Hours ...................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .................. 3

College Requirements

I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements

a. Natural Science ................................................. 6

b. Social Science .................................................. 6

c. Humanities (completed by Major Requirements) ............. 0-6

III. Laboratory or Field Work ...................................... 1

IV. Electives ................................................................ 6

College Requirement hours: ................................. 19-33

Premajor Requirements

*ENG 230 Introduction to Literature ............................ 3

plus one of the following

ENG 231 Literature and Genre
ENG 232 Literature and Place
ENG 233 Literature and Identities
*ENG 234 Introduction to Women’s Literature
*ENG 264 Major Black Writers
*ENG 281 Introduction to Film .................................... 3

Premajor hours: ..................................................... 6

Major Requirements

Major Core Requirements

ENG 330 Text and Context (Subtitle required) ................... 3

ENG 395 Independent Work (Capstone) .......................... 1

Major Core hours: .................................................. 4

Other Course Work Required for the Major

From the Major Department:

Language Module ..................................................... 3

Choose one of the following: ENGLIN 210, 211, 310

Literature Module ..................................................... 12

Complete two of the following British literature courses: ENG 331, 332, 333, 340; and two of the following American literature courses: ENG 334, 335, 336. At least three of these must be chosen from the survey courses (ENG 331, 332, 334, 335).

Area Module ............................................................ 12

Complete four additional courses – at least two of which must be from the same area module. Note that some of the listed courses may be repeated under different subtitles.


Imaginative Writing: ENG 207, 407, 507

Writing: ENG 301, 306, 401, 405, 509

Film and Media: ENG 264 or 483G, 509, 572

Other Course Work Required for the Major

From Outside the Major Department

15 additional hours at the 200+ level outside English are required (courses 300+ recommended; note that 200+ -level courses used to satisfy College Requirements may also be counted here.)

Major hours: ......................................................... 42

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ............................................. 3

Total Minimum Hours Required for Degree ................. 120

*Course used towards completion of a UK Core Requirement.

**Currently being waived.

Bachelor of Science with a major in ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ENG prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ............................ 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ............................ 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ............................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ............................ 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ........ 3

VII. Quantitative Foundations

Choose one course from approved list ............................ 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list ............................ 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ............................ 3

X. Global Dynamics

Choose one course from approved list ............................ 3

UK Core Hours ...................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .................. 3

College Requirements

I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements

a. Natural Science ................................................. 3

b. Social Science .................................................. 3
c. Humanities (completed by Major Requirements) ............. 3

III. Laboratory or Field Work ...................................... 1

IV. Electives ................................................................ 6

College Requirement hours: ................................. 13-27

Premajor Requirements

*ENG 230 Introduction to Literature ............................ 3

plus one of the following:

ENG 231 Literature and Genre
ENG 232 Literature and Place
ENG 233 Literature and Identities
*ENG 234 Introduction to Women’s Literature
*ENG 264 Major Black Writers
*ENG 281 Introduction to Film .................................... 3

Premajor hours: ..................................................... 6
**College of Arts and Sciences**

**Major Requirements**

**Major Core Requirements**

ENG 330 Text and Context (Subtitle required) .................. 3

**ENG 395 Independent Work (Capstone) ................... 1

**Major Core hours:** .............................................. 4

**Other Course Work Required for the Major**

From the Major Department:

Language Module .................................................. 3

Choose one of the following: ENG/LIN 210, 211, 310

Literature Module .................................................. 12

Complete two of the following British literature courses: ENG 331, 332, 333, 340; and two of the following American literature courses: ENG 334, 335, 336. At least three of these must be chosen from the survey courses (ENG 331, 332, 334, 335).

Area Module ......................................................... 12

Complete four additional courses – at least two of which must be from the same area module. Note that some of the listed courses may be repeated under different subtitles.


Imaginative Writing: ENG 207, 407, 507

Writing: ENG 301, 306, 401, 405, 509

Film and Media: ENG 283, 381, 382, 480G

Language Study: ENG/LIN 310, LIN/ANT 319, ENG/LIN 512, ENG/LIN/EDC 513, ENG/LIN/EDC 514, ENG/LIN/ANT 515, ENG/LIN/ANT 516, ENG 519

Theory: ENG 486G, 487G, 488G

English Education Emphasis: ENG 264 or 483G, 509, 572, and one additional writing module course

From Outside the Major Department

15 additional hours at the 200+ level outside English are required (courses 300+ recommended; note that 200+ level courses used to satisfy College Requirements may also be counted here.) ................................................. 15

**Major hours:** ........................................................................ 42

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ................................................. 6

**Total Minimum Hours Required for Degree...................... 120**

*Course used towards completion of a UK Core Requirement.

**Currently being waived.

**Minor in English**

The minor consists of a total of 18 hours, of which at least 12 hours must be at or above the 300 level. The hours are to be distributed as follows:

1. Two of the following courses (six hours):
   - ENG 331 Survey of British Literature I
   - ENG 332 Survey of British Literature II
   - ENG 334 Survey of American Literature I
   - ENG 335 Survey of American Literature II
2. One course in Shakespeare (three hours)
3. Three more courses (nine hours) selected from the department’s offerings (excluding all 100-level courses and ENG 205, 261, 262; WRD 203, 204).

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**B.A. or B.S. with a major in FRENCH**

The requirements for the B.A. and B.S. with a major in French are listed in this A&S section under Modern and Classical Languages, Literatures and Cultures.

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**GENDER AND WOMEN’S STUDIES**

The Department in Gender and Women’s Studies offers a range of curriculum at the intersection of the humanities and the social sciences. This interdisciplinary curriculum focuses on the study of gender as an aspect of everyday life, as well as on the political and cultural experiences and contributions of women across the world and through time. Majors in GWS have gone on to become artists, activists, to study law, medicine, social work, and to pursue academic careers.

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**Bachelor of Arts with a major in GENDER AND WOMEN’S STUDIES**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

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**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ......................... 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ............ 3

VII. Quantitative Foundations

Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ......................... 3

X. Global Dynamics

Choose one course from approved list ......................... 3

**UK Core Hours** .................................................. 30

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**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

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**College Requirements**

I. Foreign Language (placement exam recommended) ................ 0-14

II. Disciplinary Requirements

a. Natural Science .................................................... 6

b. Social Science ..................................................... 6

c. Humanities .......................................................... 3

III. Laboratory or Field Work ......................................... 1

IV. Electives .................................................................. 6

**College Requirement hours:** ................................... 22-36

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**Premajor Requirements**

*GWS 200 Introduction to Gender and Women’s Studies in the Social Sciences .................. 3

*GWS 201 Introduction to Gender and Women’s Studies in the Arts and Humanities ........ 3

**Premajor hours:** ...................................................... 6

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**Major Requirements**

Core Courses

GWS 250 Social Movements ........................................... 3

GWS 340 History of Feminist Thought to 1975 .................. 3

GWS 350 Introduction to Feminist Theorizing ................. 3

GWS 400 Doing Feminist Research .................................. 3

GWS 599 Senior Seminar ............................................. 3

**Core hours:** .................................................................. 15

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**Elective Courses**

Choose five 3-credit-hour courses (not to exceed more than 12 hours of GWS courses from the following) from a list of approved electives, including the courses below. Additional non-GWS courses will be approved on a semester-by-semester basis.

*GWS 300 Topics in Gender and Women’s Studies (Subtitle required) .......................... 3

GWS 301 Crossroads of Gender, Class and Race (Subtitle required) ................................. 3

GWS 302 Gender Across the World (Subtitle required) .................................................. 3

GWS 395 Undergraduate Research in Gender and Women’s Studies ................................ 1-3

GWS 399 Internship in Gender and Women’s Studies ...................................................... 1-6

GWS 430 Gender, Power and Violence ........................................ 3

GWS 595 Issues in Gender and Women’s Studies (Subtitle required) .............................. 3

**E elective hours:** ...................................................... 15

**Total Major hours:** .................................................... 30

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**Other Course Work Required for the Major**

Students must complete at least 27 credit hours of the major through upper-division course work (12 credit hours of core courses, 15 credit hours of electives).

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**From Outside the Major Department**

Choose 12 hours outside GWS at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here.

**Other Major hours:** .................................................. 12

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**Total Minimum Hours Required for Degree..................... 120**

*Course used towards completion of a UK Core Requirement.
Minor in Gender and Women’s Studies

The minor requires 21 hours of course work, as outlined below:

GWS 200 Introduction to Gender and Women’s Studies in the Social Sciences ................................................... 3
or
GWS 201 Introduction to Gender and Women’s Studies in the Arts and Humanities ........................................... 3
GWS 250 Social Movements ................................................... 3
GWS 340 History of Feminist Thought to 1975 ................................................... 3
GWS 350 Introduction to Feminist Theorizing ................................................... 3

Plus an additional nine hours of electives to be selected with the approval of the Director of Undergraduate Studies in the Department of Gender and Women’s Studies.

Courses used for the Gender and Women’s Studies topical major, minor or graduate certificate must be taught by a Gender and Women’s Studies Affiliated Faculty.

For further information, contact Betty Pasley, Administrative Assistant, Gender and Women’s Studies, 112 Breckinridge Hall, (859) 257-1388.

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GEOGRAPHY

Geography analyzes and explains the location of and interrelationships between human and physical features of the earth’s environment. Geographers also examine how and why features and their locations change over time, with particular interest in the many impacts of these changes on both people and natural settings. Geography is, therefore, both a social and a physical science. Because its fundamental subject matter is people and their environments, the discipline serves as an effective bridge between the physical and cultural worlds.

Majors in geography build solid academic foundations that draw from and interrelate areas of study from the social and behavioral sciences, humanities, computer science and graphic communication, and the natural sciences. With developed analytical, critical thinking, and communication skills, geography is particularly useful for students wishing to enter such careers as economic development, environmental management, international trade, transportation analysis and planning, diplomacy, government administration from local to federal levels, market analysis, urban and regional planning, research, teaching, cartography, Geographic Information Systems (GIS), and private business.

The Department of Geography has developed detailed major concentration tracks in three areas: earth environmental systems (physical geography), human geography, and geographic information techniques. For more information, contact the Department of Geography at (859) 257-2931, or on the Web at: www.uky.edu/AS/Geography.

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Bachelor of Arts with a major in GEOGRAPHY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK core requirements. The course listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ................................................... 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list ................................................... 3

III. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ................................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ................................................... 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ........................................... 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II ........................................... 3

VII. Quantitative Foundations
   Choose one course from approved list ................................................... 3

VIII. Statistical Inferential Reasoning
   Choose one course from approved list ................................................... 3

IX. Community, Culture and Citizenship in the USA
   Choose one course from approved list ................................................... 3

X. Global Dynamics
   Choose one course from approved list ................................................... 3

UK Core Hours ................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (placement exam recommended) ................................................... 0-14

II. Disciplinary Requirements
   a. Natural Science ................................................... 6
   b. Social Science (completed by Major Requirements) ................................................... 6
   c. Humanities ................................................... 6

III. Laboratory or Field Work ................................................... 1

IV. Electives ................................................... 6

College Requirement hours: ................................................... 19-33

Premajor Requirements

*GEO 130 Earth’s Physical Environment ................................................... 3
*GEO 172 Human Geography ................................................... 3

Premajor hours: ................................................... 6

*Course used towards completion of a UK Core Requirement.

Major Requirements

Major Core Requirements

GEO 200 Concepts and Methodology in Geography ................................................... 3
GEO 300 Geographic Research ................................................... 3
GEO 305 Elements of Cartography ................................................... 3
GEO 310 Quantitative Techniques in Geography ................................................... 3
GEO 499 Senior Research Seminar ................................................... 3

Major Core hours: ................................................... 15

Other Course Work Required for the Major

From the Major Department:

Breadth Requirements ................................................... 6
Choose one regional geography course and one thematic geography course at the 300+ level.

Geography Concentration Tracks ................................................... 12
Choose at least 12 hours of additional geography courses (200 level or higher) to include no more than six hours of GEO 560 (Independent Work in Geography) and GEO 399 (Internship in Geography). The following three tracks (Earth Environmental Systems, Human Geography, and Geographic Information Techniques) represent major areas within Geography and are provided as guidelines. Most students will find it useful to concentrate their 12 hours within one of the three tracks but this is not a requirement. Consult with your advisor in making these selections.

Track 1: Earth Environmental Systems (Physical Geography)

This concentration emphasizes the earth’s physical environment, including soils and landscapes; fluvial and other hydrologic systems; weather and climate; and vegetation and animal life. Emphasis is on (a) the pattern of spatial variation these regimes exhibit; (b) the physical processes that underpin their historical and spatial development; and (c) the interactions between these regimes and human activity. Topical areas reflecting physical-human interactions include identification and analysis of pollution, mitigation of natural hazards, and the outcomes of environmental management strategies.

The Department strongly recommends that students in the Earth Environmental Systems Concentration pursue a Bachelor of Science degree.

GEO 230 Weather and Climate ................................................... 3
*GEO 235 Environmental Management and Policy ................................................... 3
GEO 351 Physical Landscapes ................................................... 3
GEO 451G Fluvial Forms and Processes ................................................... 3

*Or other Physical Geography, GIS, Remote Sensing, Computer Cartography courses.

Track 2: Human Geography (HG)

Human Geography focuses on the identification, description, and analysis of: (a) human spatial behavior and cognition; (b) social, economic, and political processes as they are manifest locally and globally; and (c) the cultural imprint of human activity on the landscape. Within these areas, students can focus on the socio-psychological aspects of space and place, including cultural differences in ways of knowing the world. They will learn about the processes that produce local-to-global distinctiveness in key problem areas including: poverty, injustice, and hunger; illness, disability, and disease; patriarchy, racism, and homophobia; and unequal access to natural resources, education, health, and safety. Students will also find an opportunity to learn how human practices and broader processes affect both our natural and built environments. Finally, students will learn practical tools to contribute to better world through their research, or professional participation in civil society, the private sector, or government agencies. The HG Track permits students to specialize in a particular region of interest, including East, South, Southwest (Middle East), and Southeast Asia, Europe, the Caribbean, and the United States, especially Appalachia and the South.

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College of Arts and Sciences
With the advice and consent of a faculty advisor, select from courses offered within the Department and other Departments, corresponding to a particular focus in HG.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 172</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 240</td>
<td>Geography and Gender</td>
<td>3</td>
</tr>
<tr>
<td>GEO 256</td>
<td>Behavior in Space and Time</td>
<td>3</td>
</tr>
</tbody>
</table>
* GEO 260 Geographies of Development in the Global South | 3 |
| GEO 285    | Introduction to Planning                                                     | 3     |
| GEO 422    | Urban Geography                                                              | 3     |
| GEO 442G   | Political Geography                                                          | 3     |
| GEO 455    | Economic Geography                                                           | 3     |
| GEO 465    | Special Topics in Geography                                                  | 3     |
| GEO 475G   | Medical Geography                                                            | 3     |
| GEO 490G   | American Landscapes                                                          | 3     |
| GEO 505    | Practicum in Cartography                                                     | 3     |
| GEO 508    | Geographic Interpretation                                                     | 3     |
| GEO 544    | Human Population Dynamics                                                     | 3     |
| GEO 545    | Transportation Geography                                                      | 3     |
| GEO 546    | Tourism and Recreation Geography                                              | 3     |
| GEO 547    | Geography of Information and Communications                                   | 3     |
| GEO 550    | Sustainable Resource Development and Environmental Management                 | 3     |
| GEO 585    | Aging and Environment                                                        | 3     |
| GEO 309    | Digital Geographic Data: Sources, Characteristics, Problems, and Uses        | 3     |
| GEO 399    | Internship in Geography                                                       | 3     |
| GEO 409G   | Geographic Information Systems and Information Techniques                     | 3     |
| GEO 415    | Map Interpretation                                                           | 3     |
| GEO 505    | Practicum in Cartography                                                     | 3     |
| GEO 305    | Elements of Cartography                                                       | 3     |
| GEO 451G   | Fluvial Forms and Processes                                                  | 3     |
| GEO 475G   | Medical Geography                                                            | 3     |

**Course used towards completion of a UK Core Requirement.**

**Track 3: Geographic Information Techniques (GIT)**

The Geographic Information Techniques Concentration is concerned with all aspects of geographical information/data, including identification of data sources, collection, storage/retrieval, manipulation, analysis, and visualization. The GIT Concentration encompasses geographical information science (GIS), cartography, remote sensing, and spatial analysis.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 309 Digital Geographic Data: Sources, Characteristics, Problems, and Uses</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEO 399 Internship in Geography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEO 409G Geographic Information Systems and Science: Fundamentals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEO 415 Map Interpretation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEO 505 Practicum in Cartography</td>
<td>3</td>
<td></td>
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<tr>
<td>GEO 305 Elements of Cartography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GEO 451G Fluvial Forms and Processes</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

From Outside the Major Department

Choose 15 hours outside Geography at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here.

**Major hours:** 48

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation.

**Total Minimum Hours Required for Degree**: 120

**Bachelor of Science with a major in GEOGRAPHY**

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GEO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list

II. Intellectual Inquiry in the Humanities

Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list

X. Global Dynamics

Choose one course from approved list

UK Core Hours

30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** 3

**College Requirements**

I. Foreign Language (placement exam recommended)

II. Disciplinary Requirements

a. Natural Science
b. Social Science (completed by Major Requirement)
c. Humanities

III. Laboratory or Field Work

IV. Electives

**College Requirement hours:** 13-27

**Premajor Requirements**

* GEO 130 Earth’s Physical Environment
* GEO 172 Human Geography

**Premajor hours:** 6

**Course used towards completion of a UK Core Requirement.**

**Major Requirements**

Major Core Requirements

GEO 200 Concepts and Methodology in Geography
GEO 300 Geographic Research
GEO 305 Elements of Cartography
GEO 310 Quantitative Techniques in Geography
GEO 499 Senior Research Seminar

**Major Core hours:** 15

**Other Course Work Required for the Major**

From the Major Department:

**Breadth Requirements**

Choose one regional geography course and one thematic geography course at the 300+ level.

**Geography Concentration Tracks**

Choose at least 12 hours of additional geography courses (200 level or higher) to include no more than six hours of GEO 560 (Independent Work in Geography) and GEO 399 (Internship in Geography). The following three tracks (Earth Environmental Systems, Human Geography, and Geographic Information Techniques) represent major areas within Geography and are provided as guidelines. Most students will find it useful to concentrate their 12 hours within one of the three tracks but this is not a requirement. Consult with your advisor in making these selections.

**Track 1: Earth Environmental Systems (Physical Geography)**

This concentration emphasizes the earth’s physical environment, including soils and landscapes; fluvial and other hydrologic systems; weather and climate; and vegetation and animal life. Emphasis is on (a) the pattern of spatial variation these regimes exhibit; (b) the physical processes that underpin their historical and spatial development; and (c) the interactions between these regimes and human activity. Topical areas reflecting physical-human interactions include identification and analysis of pollution, mitigation of natural hazards, and the outcomes of environmental management strategies.

GEO 230 Weather and Climate

*GEO 235 Environmental Management and Policy
GEO 351 Physical Landscapes
GEO 451G Fluvial Forms and Processes

*Other Physical Geography, GIS, Remote Sensing, Computer Cartography courses.

**Track 2: Human Geography (HG)**

Human Geography focuses on the identification, description, and analysis of: (a) human spatial behavior and cognition; (b) social, economic, and political processes as they are manifest locally and globally; and (c) the cultural dimension of human activity on the landscape. Within these areas, students can focus on the socio-psychological aspects of space and place, including cultural differences in ways of knowing the world. They will learn about the processes that produce local-to-global distinctions in key problem areas including: poverty, injustice, and hunger; illness, disability, and disease; patriarchy, racism, and homophobia; and unequal access to natural resources, education, health, and safety. Students will also find an opportunity to learn how human practices and broader processes affect both our natural and built environments. Finally, students will learn practical tools to contribute to better world through their research, or professional participation in civil society, the private sector, or government agencies. The HG Track permits students to specialize in a particular region of interest, including East, South, Southwest (Middle East), and Southeast Asia, Europe, the Caribbean, and the United States, especially Appalachia and the South.

With the advice and consent of a faculty advisor, select from courses offered within the Department and other Departments, corresponding to a particular focus in HG.

GEO 240 Geography and Gender
GEO 256 Behavior in Space and Time
*GEO 260 Geographies of Development in the Global South
GEO 285 Introduction to Planning
GEO 409G Geographic Information Systems and Science: Fundamentals
GEO 422 Urban Geography
GEO 442G Political Geography
GEO 455 Economic Geography
The Department of Hispanic Studies aims to develop the student’s language skills, to provide an understanding of the cultures and literatures of the Spanish-speaking world, and to enhance the student’s career opportunities in a multicultural society. The department offers a major and a minor in Spanish.

HISPANIC STUDIES

The requirements for the B.A. and B.S. with a major in GERMAN

The requirements for the B.A. and B.S. with a major in German are listed in this A&S section under Modern and Classical Languages, Literatures and Cultures.

Bachelor of Arts with a major in SPANISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................ 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list ........................ 3

III. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ........................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ........................ 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
   Choose one course from approved list ........................ 3

VIII. Statistical Inferential Reasoning
   Choose one course from approved list ........................ 3

IX. Community, Culture and Citizenship in the USA
   Choose one course from approved list ........................ 3

X. Global Dynamics
   Choose one course from approved list ........................ 3

UK Core Hours .................................................. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3

College Requirements

I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements
   a. Natural Science ............................................. 6
   b. Social Science .............................................. 6
   c. Humanities (completed by Major Requirements)

III. Laboratory or Field Work ................................. 1

IV. Electives ...................................................... 6

College Requirement hours: ................. 19

Premajor Requirements

SPA 201 Intermediate Spanish III ...................... 3
SPA 202 Intermediate Spanish IV ...................... 3
SPA 210 Spanish Grammar and Syntax ............... 3
SPA 211 Intermediate Spanish Conversation .......... 3

Premajor hours: ........................................... 12

Major Requirements

Major Core Requirements

SPA 310 Spanish Composition through Textual Analysis ........................................ 3

Major Core hours: ........................................ 3

Other Course Work Required for the Major

From the Major Department:
Choose 18-27 hours of 300+ level Spanish courses to include at least six hours of literature, and at least nine hours at the 400+ level .......................... 18-27

From Outside the Major Department
Choose 15 hours outside Spanish at the 200+ level from the following areas: anthropology, Arabic, art history, classics, English, French, geography, German, history, honors, Islamic studies, Italian, Japanese, Judaic studies, Latin American studies, linguistics, music, philosophy, political science, Portuguese, Russian, sociology, theatre, women’s studies. Courses from other areas may be used with the approval of the Director of Undergraduate Studies. 200+ level courses used to satisfy College requirements can also be counted here .......................................................... 15-21

Other Major hours: ........................................... 39

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation .................................................. 10

Total Minimum Hours

Required for Degree ................................. 120

Bachelor of Science with a major in SPANISH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an SPA prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................ 3
II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list .......... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......... 3

X. Global Dynamics
Choose one course from approved list .......... 3

UK Core Hours ................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)
II. Disciplinary Requirements
   a. Natural Science ........................................ 3
   b. Social Science .......................................... 3
   c. Humanities (completed by Major Requirements)
III. Laboratory or Field Work ............................... 1
IV. Electives ..................................................... 6

College Requirement hours: ............................... 13

Premajor Requirements
SPA 201 Intermediate Spanish III ....................... 3
SPA 202 Intermediate Spanish IV ....................... 3
SPA 210 Spanish Grammar and Syntax .................. 3
SPA 211 Intermediate Spanish Conversation ............ 3

Premajor hours: ................................................ 12

Major Requirements
Major Core Requirements
SPA 310 Spanish Composition through
Textual Analysis ............................................... 3

Major Core hours: ............................................. 3

Other Course Work Required for the Major
From the Major Department:
Choose 18-27 hours of 300+ level Spanish courses to include at least six hours of literature, and at least nine hours at the 400+ level ......................................................... 18-27

From Outside the Major Department
Choose 15 hours outside Spanish at the 200+ level from the following areas: anthropology, Arabic, art history, classics, English, French, geography, German, history, honors, Islamic studies, Italian, Japanese, Judaic studies, Latin American studies, linguistics, music, philosophy, political science, Portuguese, Russian, sociology, theatre, women’s studies. Courses from other areas may be used with the approval of the Director of Undergraduate Studies. 200+ level courses used to satisfy College requirements can also be counted here 15-21

Other Major hours: ............................................ 39

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation .............................................. 14

Total Minimum Hours Required for Degree ....................... 120

Minor in Spanish
The minor in Spanish requires a total of 21 hours based on the following distribution:
1. SPA 202 or SPA 242 or equivalent
2. SPA 210
3. SPA 211
4. Beyond the first six-semester sequence, twelve additional hours which must be taken at the 300 level or above.
   At least one course, three hours, must be taken in Spanish or Spanish-American literature.
   Note: No courses taken in translation may be counted toward the minor in Spanish.

HISTORY
The Department of History’s program seeks to expand understanding of human experience and enable students to learn about their world in light of its past. The department offers a wide range of courses. These courses, an essential part of a liberal arts education, are also designed to train students to be teachers of history and professional historians. Faculty and students in the department participate in many of the University’s interdisciplinary programs such as African American studies, women’s studies, Latin American studies, and Asian studies.

Bachelor of Arts with a major in HISTORY
120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list .................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................... 3

X. Global Dynamics
Choose one course from approved list .................... 3

UK Core Hours ................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3

College Requirements
I. Foreign Language placement exam recommended ........................................ 0-14
II. Disciplinary Requirements
   a. Natural Science ........................................ 6
   b. Social Science ........................................... 6
   c. Humanities (completed by Major Requirements)
III. Laboratory or Field Work ............................... 1
IV. Electives ..................................................... 6

College Requirement hours: ............................... 19-33

Premajor Requirements
HIS 104 A History of Europe through the Mid-Seventeenth Century
and
*HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present
OR
HIS 106 Western Culture: Science and Technology I
and
HIS 107 Western Culture: Science and Technology II
OR
*HIS 108 History of the United States Through 1876
and
*HIS 109 History of the United States Since 1877 ...... 6

Premajor hours: ................................................ 6

Major Requirements
Major Core Requirements
HIS 301 History Workshop: Introduction to the Study of History ................................................. 3
   plus either 1 or 2 below:
   1. HIS 499 Senior Seminar for History Majors ......... 3
   2. HIS 470 Honors Seminar in Historical Methods .................. 3
      HIS 471 Honors Seminar in Historical Research ............ 3

Major Core hours: ............................................. 6-9

Other Course Work Required for the Major
From the Major Department:
Choose 24 hours to include at least six hours in pre-1789 work; at least six hours in post-1789 work; at least three hours in American history; at least three hours of European history; at least three hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level ......................................................... 24

From Outside the Major Department
Choose 15 hours outside History at the 300+ level, or 200+ level courses used to satisfy College requirements can also be counted here. Foreign language instruction courses may...
not be used to fulfill the related field requirement. Literature, civilization, and culture classes do count toward fulfilling this requirement ........................................... 15

Other Major hours: ........................................... 39

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 4

Total Minimum Hours Required for Degree ................. 120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in HISTORY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an HIS prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in the Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core Hours ........................................... 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3

College Requirements
I. Foreign Language (placement exam recommended) ........................................... 0-14

II. Disciplinary Requirements
a. Natural Science ........................................... 3
b. Social Science ........................................... 3
c. Humanities (completed by Major Requirements) ................. 3

III. Laboratory or Field Work ........................................... 1

IV. Electives ........................................... 6

College Requirement hours: ........................................... 13-27

Premajor Requirements
HIS 104 A History of Europe through the Mid-Seventeenth Century
and
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present

OR
HIS 106 Western Culture: Science and Technology I
and
HIS 107 Western Culture: Science and Technology II

OR
HIS 108 History of the United States Through 1876
and
HIS 109 History of the United States Since 1877 .......... 6

Premajor hours: ........................................... 6

Major Requirements
Major Core Requirements
HIS 301 History Workshop: Introduction to the Study of History .................. 3

plus either 1 or 2 below:
1. HIS 499 Senior Seminar for History Majors .......... 3
2. HIS 470 Honors Seminar in Historical Methods .......... 3
3. HIS 471 Honors Seminar in Historical Research .......... 3

Major Core hours: ........................................... 6-9

Other Course Work Required for the Major
From the Major Department:
Choose 24 hours to include at least six hours in pre-1789 work; at least six hours in post-1789 work; at least three hours in American history; at least three hours of European history; at least three hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level ........................................... 24

From Outside the Major Department
Choose 15 hours outside History at the 300+ level, or 200+ level courses used to satisfy College requirements can also be counted here. Foreign language instruction courses may not be used to fulfill the related field requirement. Literature, civilization, and culture classes do count toward fulfilling this requirement ........................................... 15

Other Major hours: ........................................... 39

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 7

Total Minimum Hours Required for Degree ................. 120

*Course used towards completion of a UK Core Requirement.

Minor in History
A minor in history provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior. The minor requires a minimum of 18 hours, to be distributed as follows:

1. A six-hour sequential introduction to the history of a civilization or a nation. This may be selected from:
   - HIS 104/105 History of Europe
   - HIS 106/107 Western Culture: Science and Technology I and II
   - HIS 108/109 History of the United States
   - HIS 202/203 History of the British People
   - HIS 229/230 The Ancient World
   - HIS 247/248 History of Islam and Middle East Peoples
   - HIS 295/296 East Asia
   - HIS 370/371 Middle Ages
   - HIS 385/386 History of Russia

2. Twelve hours of course work at or above the 300 level, at least six hours of which must be at or above the 400 level. No more than 12 of the 18 hours required may be in any one of the subfields of American history, European history, or history of the non-Western world.

INTERNATIONAL STUDIES

International Studies is an interdisciplinary program that encourages students to explore global issues in disciplines such as anthropology, economics, history, political science, geography, foreign languages, English, and the arts. Students will choose course work focused around a central theme and geographical region. Cultural knowledge will be developed further through expanded foreign language study. The program culminates in a capstone senior project. Study abroad is highly encouraged, although not required, for the International Studies major.

A degree in International Studies will prepare students for careers in business, government, non-government organizations, philanthropic agencies, or the arts. The major also prepares students for graduate study in the humanities, social sciences, international affairs, law, public health and communications.

Bachelor of Arts with a major in INTERNATIONAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. A complete description of College requirements for a Bachelor of Arts degree can be found on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core Hours ........................................... 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3
Capstone Senior Project
Complete the following course:
INT 495 International Studies Research Project ........................ 3

Thematic and Area Concentrations
Complete one of the following:
1. Fifteen credit hours with a thematic concentration and twelve credit hours with an area concentration ................................................................. 27
2. Fifteen credit hours with an area concentration and twelve credit hours with a thematic concentration ............................................................. 27

OR
3. Foreign Languages and International Economics (FLIE) ......................................................... 39-41

Thematic Concentrations
(12 -15 credit hours in one theme and from at least two departments)

International Relations
The International Relations concentration focuses on how states and institutions interact in a global environment. Sources of global conflict, international non-government organizations, international crisis resolution, and national sovereignty are examined.

ANT 311 Global Dreams and Local Realities in a “Flat” World ........................................... 3
ANT 532 Anthropology of the State ........................................ 3
GEO 442G Political Geography ........................................ 3
HIS 355 Topics in Non-Western History Since 1789 .... 3
HIS 551 Foreign Policies of Middle East States ......................................................... 3
HIS 574 The Diplomacy and Foreign Policy of the United States to 1919 ........ 3
HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919 ........ 3
PS 391 Special Topics in Political Science (Subtitle required) ................................. 3
PS 410 Topics in Regional Politics (Subtitle required) ................................................ 3
PS 427G East European Politics .................................................... 3
PS 430G The Conduct of American Foreign Relations .... 3
PS 431G National Security Policy .................................................. 3
PS 433G Politics of International Economic Relations ........................................ 3
PS 436G International Organization .................................................. 3
PS 437G Dynamics of International Law ............................................ 3
PS 439G Special Topics in International Relations (Subtitle required) ......... 3
SOC 444 Topics in Political Sociology (Subtitle required) ........................................ 3

Culture and the Arts
The Culture and the Arts concentration focuses on forms of cultural expression and representation (performing arts, film, philosophy, literature, folklore and myth, visual arts) from comparative and global perspectives. The role of language and the evolution of cultural identity are also explored.

A-H 307 Ancient Near Eastern and Egyptian Art ........................................ 3
A-H 308 Studies in African Art (Subtitle required) ........................................... 3
A-H 309 Cross-Cultural Studies in Art (Subtitle required) ...................................... 3
A-H 310 Studies in East Asian Art (Subtitle required) ........................................... 3
A-H 312 Studies in Greek Art (Subtitle required) ................................................... 3
A-H 313 Studies in Roman Art (Subtitle required) .............................................. 3
A-H 323 Studies in Medieval Art (Subtitle required) ............................................. 3
A-H 334 Studies in Renaissance Art (Subtitle required) ........................................ 3
A-H 350 Contemporary Art ................................................................. 3
A-H 415G Topical Studies in Art History (Subtitle required) .................................. 3
A-H 527 Art Within Its Interdisciplinary Framework (Subtitle required) .......... 3
AIS 288 Islamic Civilization I ............................................................ 3
AIS 330 Islamic Civilization II ............................................................ 3
AIS 331 Classical Arabic Literature (in English) ................................................. 3
AIS 435 Topics in Islamic Studies (Subtitle required) ........................................... 3
AIS 440 Introduction to the Quran ......................................................... 3
ANT 241 Origins of Old World Civilization ......................................................... 3
ANT 242 Origins of New World Civilization ......................................................... 3
ANT 311 Global Dreams and Local Realities in a “Flat” World ................. 3
ANT 320 Andean Civilization ................................................................. 3
ANT 322 Ancient Mexican Civilizations ......................................................... 3
ANT 324 Contemporary Latin American Cultures ............................................. 3
ANT 327 Culture and Societies of India ......................................................... 3
ANT 328 The Ancient Maya ................................................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ........................................ 3
ANT 351 Special Topics in Archaeology (Subtitle required) ........................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ............ 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ......................................................... 3
ANT 431G Cultures and Societies of Sub-Saharan Africa ........................................ 3
ANT 432 Anthropology of Eastern Europe and Russia ........................................... 3
ANT 433 Social Organization ................................................................. 3
ANT 440 Anthropological Perspectives on Child Growth ............................... 3
ANT 450 Symbols and Culture ................................................................. 3
ANT 490 Anthropological Research Methods ..................................................... 3
ANT 515 Phonological Analysis ................................................................. 3
ANT 516 Grammatical Typology ................................................................. 3
ANT 532 Anthropology of the State ............................................................ 3
ANT 541 Archaeological Method and Theory ..................................................... 3
ANT 543 Cultural Resource Management ....................................................... 3
ANT 545 Historical Archaeology ............................................................... 3
ANT 582 Senior Integrative Seminar ............................................................. 3
ANT 585 Field Laboratory in Archaeological Research ................................. 3
CHI 300 Gender Politics in Chinese Literature ................................................. 3
CHI 321 Introduction to Contemporary Chinese Film ........................................ 3
CHI 330 Introduction to Chinese Culture, Pre-Medieval to 1840 ................. 3
CHI 331 Introduction to Chinese Culture, 1840 to Present .......................... 3
CHI 430 Popular Culture in Modern China .................................................... 3
CLA 210 The Art of Greece and Rome ....................................................... 3
CLA 261 Literary Masterpieces of Greece and Rome ................................. 3
CLA 301 Latin Literature I (Subtitle required) ................................................... 3
CLA 302 Latin Literature II (Subtitle required) ................................................. 3
CLA 312 Studies in Greek Art (Subtitle required) ............................................... 3
CLA 313 Studies in Roman Art (Subtitle required) ............................................ 3
CLA 331 Gender and Sexuality in Antiquity .................................................... 3
CLA 382 Greek and Roman Religion ........................................................... 3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE ......... 3
CLA 391 Christians in the Roman Empire ...................................................... 3
CLA 445G Special Topics in Classical Studies (Subtitle required) ................. 3
CLA 462G Topics in Classical Literature (Subtitle required) .......... 3
CLA 480G Studies in Greek and Latin Literature (Subtitle required) ............ 3

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ITA 263 Masterpieces of Italian Literature in Translation ........................................... 3
ITA 443G Survey of Italian Literature I ................................................................. 3
JOU 319 World Media Systems ........................................................................ 3
JPW 321 Introduction to Japanese Culture, Meiji (1868) to Present .................... 3
JPW 420G Pre-Modern Literary and Visual Arts of Japan .................................. 3
JPW 421G Contemporary Literary and Visual Arts of Japan ............................... 3
JPW 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship ... 3
MAT 247 Dutch and Culture ................................................................................ 3
MCL 270 Introduction to Folklore and Mythology ............................................... 3
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ............... 3
MUS 330 Music in the World (Subtitle required)^ ............................................... 3
PHI 343 Asian Philosophy .................................................................................. 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition ......... 3
PHI 516 Contemporary Philosophy: Phenomenological Directions ............... 3
RUS 270 Russian Culture 900-1900 ................................................................ 3
RUS 271 Russian Culture 1900-Present .............................................................. 3
RUS 370 Russian Folklore (in English) .............................................................. 3
RUS 375 Seminar in Russian Film .................................................................... 3
RUS 380 Nineteenth-Century Russian Literature (in English) ......................... 3
RUS 381 Russian Literature 1900-Present (in English) ....................................... 3
RUS 400G Russian Cultural Studies (Subtitle required) .................................... 3
RUS 460G Major Russian Writers (Subtitle required) ......................................... 3
RUS 463 Russian Film and Theater (Subtitle required) ....................................... 3
SAG 201 Cultural Perspectives on Sustainability .............................................. 3
SOC 435 Topics in Social Inequalities (Subtitle required)^ .................................. 3
SPA 262 Spanish Literature in Translation (Subtitle required) ......................... 3
SPA 315 Introduction to Hispanic Literature ..................................................... 3
SPA 320 Literature, Life and Thought of Spain .................................................. 3
SPA 322 Literature, Life and Thought of Spanish America ................................ 3
SPA 361 Latin American Literature in Translation (Subtitle required) .......... 3
SPA 371 Latin American Cinema (Subtitle required) ........................................ 3
SPA 372 Spanish Cinema (Subtitle required) .................................................... 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)^ 3
SPA 420 Spanish in the World ......................................................................... 3
SPA 424 Medieval and Early Modern Spanish Studies .................................... 3
SPA 434 Spanish Literature of the 20th Century .............................................. 3
SPA 438G Literature of Social Protest in Spanish America .............................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) ................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) ......... 3
SPA 474 Topics in Hispanic Studies (Subtitle required) ..................................... 3
SPA 480 Hispanic Kentucky ............................................................................ 3
SW 320 Global Poverty: Responses Across Cultures ....................................... 3
TA 271 WS World Theatre II ........................................................................... 3
TA 273 World Theatre III ................................................................................ 3
TA 274 World Theatre IV ............................................................................... 3
TA 485 French Theatre: Culture, Text and Performance .................................... 3
TA 584 Asian Theatre ...................................................................................... 3

Global Environment

The Global Environment concentration focuses on the international interplay of peoples, information, capital, culture and physical geographies.

ANT 311 Global Dreams and Local Realities in a “Flat” World ......................... 3
ANT 332 Human Evolution ............................................................................. 3
ANT 333 Contemporary Human Variation ..................................................... 3
ANT 338 Economic Anthropology ................................................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ........................................ 3
ANT 351 Special Topics in Archaeology (Subtitle required) ............................ 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required) .......... 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) 3
ANT 375 Ecology and Social Practice ............................................................. 3
ANT 490 Anthropological Research Methods ............................................... 3
GEO 222 Cities of the World ........................................................................... 3
GEO 231 Environment and Development ...................................................... 3
GEO 235 Environmental Management and Policy ........................................ 3
GEO 311 Global Environmental Change ......................................................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required) ............ 3
GEO 406 Field Studies (Subtitle required)^ ................................................... 1,9
GEO 431 Political Ecology ............................................................................. 3
GEO 530 Biogeography and Conservation ..................................................... 3
GEO 531 Landscape Ecology ......................................................................... 3
GEO 550 Sustainable Resource Development and Environmental Management .... 3
HIS 595 Studies in History ............................................................................. 3
JPN 334 Environment, Society and Economy of Japan .................................. 3
JPN 491G Japanese Landscapes .................................................................... 3
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ........... 3
PS 391 Special Topics in Political Science (Subtitle required) ......................... 3
PS 435G Policies of International Economic Relations .................................... 3
PS 437G Dynamics of International Law ....................................................... 3
SAG 201 Cultural Perspectives on Sustainability ......................................... 3
SAG 490 Integration of Sustainable Agriculture Principles .......................... 3
SPA 312 Civilization of Spain ........................................................................... 3
SPA 314 Civilization of Spanish America ........................................................ 3
The subtitle for this course must directly relate to the Global Environment Concentration. You must check with the IS director or advisor for verification prior to taking the course.

International Development

International Development concentration focuses on the developing world and examines development in relation to socio-political and socio-economic growth.

ANT 311 Global Dreams and Local Realities in a “Flat” World ......................... 3
ANT 338 Economic Anthropology ................................................................. 3
ANT 340 Development and Change in the Third World ................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ........................................ 3
ANT 351 Special Topics in Archaeology (Subtitle required) ............................ 3
### Human Rights and Social Movements

The Human Rights and Social Movements concentration focuses on international struggles for political, social, and economic equality and international efforts to guarantee human rights by placing them in cross-cultural, interdisciplinary, and historical perspectives.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subtitle Required</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>AIS 338</td>
<td>Women and Islam</td>
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<tr>
<td>AIS 340</td>
<td>Fundamentalism and Reform in Islam</td>
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<tr>
<td>AIS 311</td>
<td>Global Dreams and Local Realities in a &quot;Flat&quot; World</td>
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<td>ANT 340</td>
<td>Development and Change in the Third World</td>
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<td>ANT 350</td>
<td>Topics in Anthropology (Subtitle required)</td>
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<td>ANT 351</td>
<td>Special Topics in Archaeology (Subtitle required)</td>
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<td>ANT 352</td>
<td>Special Topics in Cultural Anthropology (Subtitle required)</td>
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<td>ANT 353</td>
<td>Special Topics in Physical or Biological Anthropology (Subtitle required)</td>
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<tr>
<td>AIS 328</td>
<td>Islamic Civilization I</td>
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<td>AIS 330</td>
<td>Islamic Civilization II</td>
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<td>AIS 331</td>
<td>Classical Arabic Literature (Subtitle required)</td>
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<td>AIS 345</td>
<td>Topics in Islamic Studies (Subtitle required)</td>
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<td>AIS 440</td>
<td>Introduction to the Quran</td>
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<td>ANT 350</td>
<td>Topics in Anthropology (Subtitle required)</td>
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<td>ANT 353</td>
<td>Special Topics in Physical or Biological Anthropology (Subtitle required)</td>
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<tr>
<td>AIS 431</td>
<td>G Cultural and Societies of Sub-Saharan Africa</td>
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<td>FA 501</td>
<td>Arts-Study Tour</td>
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<td>FR 263</td>
<td>African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)</td>
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<td>FR 350</td>
<td>Francophone Cultures (Subtitle required)</td>
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<tr>
<td>GEO 328</td>
<td>Geography of the Middle East and North Africa</td>
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<tr>
<td>GEO 336</td>
<td>Geography of Sub-Saharan Africa</td>
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<tr>
<td>HIS 247</td>
<td>History of Islam and Middle East Peoples, 500-1250 AD</td>
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<td>HIS 248</td>
<td>History of Islam, Middle East Peoples and Civilizations, 1250 to the Present</td>
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<td>HIS 254</td>
<td>History of Sub-Saharan Africa</td>
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<td>HIS 355</td>
<td>Topics in Non-Western History Since 1750</td>
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<td>HIS 355</td>
<td>History of the Middle East: 1453-1920</td>
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<td>HIS 354</td>
<td>History of the Middle East: 1920 to the Present</td>
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<tr>
<td>HIS 355</td>
<td>Studies in the Middle East History and Politics (Subtitle required)</td>
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<td>HIS 351</td>
<td>Foreign Policies of Middle East States</td>
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<tr>
<td>HIS 352</td>
<td>Jewish Thought and Culture I: From Ancient Israel to the Middle Ages</td>
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<tr>
<td>HIS 352-353</td>
<td>Jewish Thought and Culture II: From the Expulsion from Spain to the Present</td>
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<tr>
<td>HIS 327</td>
<td>Women in Judaism</td>
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<td>HIS 425</td>
<td>Topics in Judaic Studies (Subtitle required)</td>
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<tr>
<td>MUS 330</td>
<td>Music in the World (Subtitle required)</td>
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<td>PHI 504</td>
<td>Islamic and Jewish Philosophy and the Classical Tradition</td>
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<td>PS 410</td>
<td>Topics in Regional Politics (Subtitle required)</td>
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<tr>
<td>PS 417</td>
<td>Survey of Sub-Saharan Africa Politics</td>
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<tr>
<td><em>The subtitle for this course must directly relate to the African and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.</em></td>
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### Area Concentrations

**Africa and the Middle East**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subtitle Required</th>
<th>Notes</th>
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<tbody>
<tr>
<td>A-H 307</td>
<td>Ancient Near Eastern and Egyptian Art</td>
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<tr>
<td>A-H 308</td>
<td>Studies in African Art (Subtitle required)</td>
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<td>A-H 309</td>
<td>Cross-Cultural Studies in Art (Subtitle required)</td>
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<td>A-H 415</td>
<td>Topical Studies in Art History (Subtitle required)</td>
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<td>A-H 527</td>
<td>Art Within Its Interdisciplinary Framework (Subtitle required)</td>
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<tr>
<td><em>The subtitle for this course must directly relate to the African and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.</em></td>
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</table>

**East, South, and Southeast Asia**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>A-H 309</td>
<td>Cross-Cultural Studies in Art (Subtitle required)</td>
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<td>A-H 310</td>
<td>Studies in East Asian Art (Subtitle required)</td>
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<td>A-H 415</td>
<td>Topical Studies in Art History (Subtitle required)</td>
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<td>A-H 527</td>
<td>Art Within Its Interdisciplinary Framework (Subtitle required)</td>
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<td>AIS 328</td>
<td>Islamic Civilization I</td>
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<td>AIS 330</td>
<td>Islamic Civilization II</td>
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<td>AIS 331</td>
<td>Classical Arabic Literature (in English)</td>
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<td>AIS 338</td>
<td>Women and Islam</td>
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<td>AIS 340</td>
<td>Fundamentalism and Reform in Islam</td>
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<tr>
<td>AIS 435</td>
<td>Topics in Islamic Studies (Subtitle required)</td>
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<td>AIS 440</td>
<td>Introduction to the Quran</td>
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<tr>
<td>ANT 327</td>
<td>Culture and Societies of India</td>
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</tbody>
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*Course is from the Gatton College of Business and Economics.*

*Courses are available to International Studies majors enrolled entirely in other colleges.*

*Responses Across Cultures* 

*The subtitle for this course must directly relate to the Human Rights and Social Movements Concentration. You must check with the IS director or advisor for verification prior to taking the course.*

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*Course is from the Gatton College of Business and Economics.*

*Courses are available to International Studies majors enrolled entirely in other colleges.*
Latin America
GEO 324 Geography of Central and South America and the Caribbean .............................................................. 3
GEO 406G Field Studies (Subtitle required) ........................................................................................................ 3
HIS 206 History of Colonial Latin America, 1492-1810 ................................................................................... 3
HIS 207 History of Modern Latin America, 1810 to Present ............................................................................ 3
HIS 562 Modern Mexico ................................................................................................................................... 3
HIS 563 The History of Women in Latin America ............................................................................................. 3
PS 426G Latin American Government and Politics ............................................................................................ 3
PS 536 Conflict and Cooperation in Latin American Relations ....................................................................... 3
SPA 314 Civilization of Spanish America .......................................................................................................... 3
SPA 322 Literature, Life and Thought of Spanish America .................................................................................. 3
SPA 361 Latin American Literature in Translation (Subtitle required) .............................................................. 3
SPA 371 Latin American Cinema (Subtitle required) .......................................................................................... 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................................... 3
*The subtitle for this course must directly relate to the Latin America Concentration. You must check with the IS director or advisor for verification prior to taking the course.

Russia and Eurasia
A-H 309 Cross-Cultural Studies in Art (Subtitle required) ............................................................................. 3
A-H 415G Topical Studies in Art History (Subtitle required) ........................................................................... 3
A-H 527 Art Within Its Interdisciplinary Framework (Subtitle required) .......................................................... 3
ANT 350 Topics in Anthropology (Subtitle required) ....................................................................................... 3
ANT 351 Special Topics in Archaeology (Subtitle required) ............................................................................. 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ............................................................... 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ....................................... 3
ANT 432 Anthropology of Eastern Europe and Russia ....................................................................................... 3
FA 501 Arts-Study Tour* .................................................................................................................................... 3
GEO 329 Geography of the Former Soviet Union .............................................................................................. 3
GEO 365 Special Topics in Regional Geography (Subtitle required) ............................................................... 3
HIS 355 Topics in Non-Western History Since 1789* ....................................................................................... 3
HIS 385 History of Russia to 1825 ....................................................................................................................... 3
HIS 386 History of Russia Since 1825 .................................................................................................................. 3
HIS 534 Russia in the 19th Century .................................................................................................................... 3
HIS 535 Russia in the 20th Century .................................................................................................................... 3
HIS 536 Intellectual and Cultural History of Russia to 1800 ......................................................................... 3
HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .................................................. 3
PS 410 Topics in Regional Politics (Subtitle required) ...................................................................................... 3
PS 427G East European Politics ....................................................................................................................... 3
PS 429G Government and Politics in Russia and the Post-Soviet States ......................................................... 3
RUS 261 Introduction to Russian Studies ........................................................................................................... 3
RUS 270 Russian Culture 900-1900 .................................................................................................................... 3
RUS 271 Russian Culture 1900-Present .............................................................................................................. 3
RUS 370 Russian Folklore (in English) ................................................................................................................ 3
RUS 375 Seminar in Russian Film ..................................................................................................................... 3
RUS 380 Nineteenth Century Russian Literature (in English) .......................................................................... 3
RUS 381 Russian Literature 1900-Present (in English) ...................................................................................... 3
RUS 400G Russian Cultural Studies (Subtitle required) .................................................................................. 3
RUS 460G Major Russian Writers (Subtitle required) ...................................................................................... 3
RUS 463 Russian Film and Theatre (Subtitle required) .................................................................................... 3
Foreign Language – International Economics (FLIE)
Foreign Language – International Economics is a program of study that combines foreign language proficiency with training in economics. The FLIE major prepares students for employment in economic positions internationally.

Economics Core Requirement
STA 291 Statistical Methods ............................................................................................................................ 3
ECO 201 Principles of Economics I .................................................................................................................... 3
ECO 202 Principles of Economics II .................................................................................................................. 3
ECO 391 Economic and Business Statistics ...................................................................................................... 3
ECO 401 Intermediate Microeconomic Theory ................................................................................................. 3
ECO 402 Intermediate Macroeconomic Theory ................................................................................................. 3
ECO 300+ Any 300+ level ECO course ............................................................................................................ 3

Plus two of the following:
- ECO 471 International Trade .......................................................................................................................... 3
- ECO 472 International Monetary Economics .................................................................................................. 3
- ECO 473G Economic Development .................................................................................................................. 3

Language Core Requirement
Choose one of the following language concentrations.

French
FR 307 French for Business and Economics ....................................................................................................... 3
Plus 14 hours from the following list:
- FR 204 Introduction to French and Francophone Studies ............................................................................. 3
- FR 310 French Phonetics ..................................................................................................................................... 3
- FR 350 Francophone Cultures (Subtitle required) .......................................................................................... 3
- FR 470G Topical Seminar I (Subtitle required) ............................................................................................... 3
- FR 504 Topics in French Literature and Culture (Subtitle required) ......................................................... 3
- FR 507 Interpretation and Style ...................................................................................................................... 3
- FR 550 France Today ......................................................................................................................................... 3

German
GER 205 Reading and Writing Practice ................................................................................................................ 2
GER 206 Spoken Communication ...................................................................................................................... 3
GER 307 Intermediate German Composition and Conversation I .................................................................................................................. 3
GER 310 German for International Business and Professions ........................................................................... 3
Plus 12 hours from the following list:
- GER 308 Intermediate German Composition and Conversation II ................................................................ 3
- GER 311 Introduction to German Literature: Themes (Subtitle required) .......................................................... 3
- GER 312 Introduction to German Literature: Popular Forms .............................................................................. 3
- GER 317 History of German Culture .................................................................................................................. 3
- GER 319 Contemporary German Literature and Culture .................................................................................. 3
- GER 352 German-Speaking Europe (Subtitle required) .................................................................................. 3
- GER 361 German Cinema ................................................................................................................................... 3
- GER 363 Germanic Mythology .......................................................................................................................... 3
- GER 395 Independent Work in German ........................................................................................................... 1-3

Japanese
JPN 202 Intermediate Japanese II ....................................................................................................................... 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .................................................................... 3
JPN 334 Environment, Society and Economy of Japan ..................................................................................... 3

Plus 12 hours from the following list:
- A-H 310 Studies in East Asian Art (Subtitle required) .................................................................................. 3
- A-H 415G Topical Studies in Art History (Subtitle required) ....................................................................... 3
- COM 525 Organizational Communication ..................................................................................................... 3
- GEO 333 Geography of East Asia ................................................................................................................... 3
- GEO 365 Special Topics in Regional Geography (Subtitle required) .................................................................. 3
- GEO 406G Field Studies (Subtitle required) .................................................................................................... 1-9
- HIS 295 East Asia to 1800 ................................................................................................................................. 3
- HIS 296 East Asia Since 1600 .......................................................................................................................... 3
- JPN 200+ Any 200+ level JPN courses ............................................................................................................ 3
- PS 419G The Governments and Politics of Eastern Asia .................................................................................. 3

Russian
RUS 271 Russian Culture 1900-Present ................................................................................................................ 3
RUS 301 Advanced Intermediate Russian I .......................................................................................................... 3
RUS 302 Advanced Intermediate Russian II ....................................................................................................... 3

Plus one of the following courses:
- RUS 380 Nineteenth Century Russian Literature (in English) ........................................................................ 3
- RUS 381 Russian Literature 1900-Present (in English) .................................................................................... 3

Plus 9 hours from the following list:
- ANT 432 Anthropology of Eastern Europe and Russia ................................................................................... 3
- HIS 385 History of Russia to 1825 .................................................................................................................... 3
- HIS 386 History of Russia Since 1825 ................................................................................................................ 3
- HIS 534 Russia in the 19th Century .................................................................................................................. 3
- HIS 535 Russia in the 20th Century .................................................................................................................. 3
- HIS 536 Intellectual and Cultural History of Russia to 1800 ......................................................................... 3
- HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .................................................. 3
- PS 429G Government and Politics in Russia and the Post-Soviet States .......................................................... 3
- RUS 370 Russian Folklore (in English) ............................................................................................................. 3
- RUS 375 Seminar in Russian Film ................................................................................................................... 3
- RUS 460G Major Russian Writers (Subtitle required) .......................................................................................... 3
- RUS 463 Russian Film and Theatre (Subtitle required) ................................................................................. 3
- RUS 499 Russian Studies Capstone Seminar (Subtitle required) ..................................................................... 3
- RUS 501 Structure of Russian .......................................................................................................................... 3
- RUS 502 Structure of Russian .......................................................................................................................... 3

Spanish
SPA 210 Spanish Grammar and Syntax ............................................................................................................. 3
SPA 211 Intermediate Spanish Conversation .................................................................................................... 3
SPA 302 Commercial and Technical Spanish ..................................................................................................... 3
SPA 300+ Any 300+ level SPA course ................................................................................................................ 3
SPA 300+ Any 300+ level SPA course ................................................................................................................ 3
SPA 300+ Any 300+ level SPA course ................................................................................................................ 3

University of Kentucky
2011-2012 Undergraduate Bulletin
Bachelor of Science with a major in INTERNATIONAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ................. 3

X. Global Dynamics
Choose one course from approved list ................. 3

UK Core Hours .................................................. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (placement exam recommended, completed by Major Requirements) ................. 0-14

II. Disciplinary Requirements
a. Natural Science ................................................. 6

b. Social Science (can be completed with Major Requirements) ................. 6
c. Humanities (can be completed with Major Requirements) ..................... 6

III. Laboratory or Field Work .................................. 1

IV. Electives ................................................................. 6

Subtotal: College Hours: .................. 25-39

Major Requirements

Pathway Courses*

Complete six credit hours from the following list. Courses must be from two departments:

A-H 103 World Art .................................................. 3
ANT 130 Introduction to Comparative Religion .......... 3
ANT 160 Cultural Diversity in the Modern World ........ 3
GEO 152 Regional Geography of the World ............... 3
GEO 160 Lands and Peoples of the Non-Western World .... 3
HIS 104 A History of Europe from the Mid-Seventeenth Century ........ 3
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present ........ 3
PS 210 Introduction to Comparative Politics ............. 3
PS 212 Culture and Politics in the Third World ........... 3
PS 235 World Politics ............................................... 3
TA 171 World Theatre I ........................................... 3

*Students choosing the FLIE concentration are not required to complete the Pathway courses.

Language Competency*

Complete the fourth semester in one language AND

Two semesters in a second language ................. 6-8 OR

Two additional semesters in the same language .... 6

*Students choosing the FLIE concentration will automatically meet the Language Competency requirement.

Capstone Senior Project

Complete the following course:

INT 495 International Studies Research Project ................. 3

Thematic and Area Concentrations

Complete one of the following:

1. Fifteen credit hours with a thematic concentration and twelve credit hours with an area concentration ................. 27

2. Fifteen credit hours with an area concentration and twelve credit hours with a thematic concentration ................. 27

OR

3. Foreign Languages and International Economics (FLIE) ................. 39-41

Thematic Concentrations

(12 -15 credit hours in one theme and from at least two departments)

International Relations

The International Relations concentration focuses on how states and institutions interact in a global environment. Sources of global conflict, international non-government organizations, international crisis resolution, and national sovereignty are examined.

ANT 311 Global Dreams and Local Realities in a "Flat" World ................. 3
ANT 532 Anthropology of the State .................................. 3

GEO 442G Political Geography ........................................ 3
HIS 355 Topics in Non-Western History Since 1789 ................. 3
HIS 551 Foreign Policies of Middle East States ................. 3
HIS 574 The Diplomacy and Foreign Policy of the United States to 1919 .... 3
HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919 .... 3
PS 391 Special Topics in Political Science (Subtitle required) ................. 3
PS 410 Topics in Regional Politics (Subtitle required) ................. 3
PS 427G East European Politics ................. 3
PS 430G The Conduct of American Foreign Relations .......... 3
PS 431G National Security Policy .................................. 3
PS 433G Politics of International Economic Relations ................. 3
PS 436G International Organization .................................. 3
PS 437G Dynamics of International Law ................. 3
PS 439G Special Topics in International Relations (Subtitle required) ................. 3
SOC 444 Topics in Political Sociology (Subtitle required) ................. 3

Culture and the Arts

The Culture and the Arts concentration focuses on forms of cultural expression and representation (performing arts, film, philosophy, literature, folklore and myth, visual arts) from comparative and global perspectives. The role of language and the evolution of cultural identity are also explored.

A-H 307 Ancient Near Eastern and Egyptian Art ................. 3
A-H 308 Studies in African Art (Subtitle required) ................. 3
A-H 309 Cross-Cultural Studies in Art (Subtitle required) ................. 3
A-H 310 Studies in East Asian Art (Subtitle required) ................. 3
A-H 312 Studies in Greek Art (Subtitle required) ................. 3
A-H 313 Studies in Roman Art (Subtitle required) ................. 3
A-H 323 Studies in Medieval Art (Subtitle required) ................. 3
A-H 334 Studies in Renaissance Art (Subtitle required) ................. 3
A-H 350 Contemporary Art (Subtitle required) ................. 3
A-H 415G Topical Studies in Art History (Subtitle required) ................. 3
A-H 527 Art Within Its Interdisciplinary Framework (Subtitle required) ................. 3
AIS 328 Islamic Civilization I .................................. 3
AIS 330 Islamic Civilization II .................................. 3
AIS 331 Classical Arabic Literature (in English) ................. 3
AIS 435 Topics in Islamic Studies (Subtitle required) ................. 3
AIS 440 Introduction to the Quran (Subtitle required) ................. 3
ANT 241 Origins of Old World Civilization ................. 3
ANT 242 Origins of New World Civilization ................. 3
ANT 311 Global Dreams and Local Realities in a "Flat" World ................. 3
ANT 320 Andean Civilization .................................. 3
ANT 322 Ancient Mexican Civilizations ................. 3
ANT 324 Contemporary Latin American Cultures ................. 3
ANT 327 Culture and Societies of India ................. 3
ANT 328 The Ancient Maya .................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ................. 3
ANT 351 Special Topics in Archaeology (Subtitle required) ................. 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ................. 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ................. 3
ANT 431G Cultures and Societies of Sub-Saharan Africa ................. 3
FR 504 Topics in French Literature and Culture (Subtitle required) ................................................. 3
FR 426G Political Geography ............................................................... 3
GEO 491G Japanese Landscapes ......................................................... 3
GER 263 The German Cultural Tradition II ........................................ 3
GER 264 The German Cultural Tradition I ......................................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .................... 3
GER 312 Introduction to German Literature: Popular Forms ................................................. 3
GER 317 History of German Culture ................................................... 3
GER 319 Contemporary German Literature and Culture ................................................ 3
GER 352 German-Speaking Europe (Subtitle required) ................................................ 3
GER 361 German Cinema ................................................................... 3
GER 363 Germanic Mythology .............................................................. 3
GER 415G Major German Authors (Subtitle required) ................................................ 3
GER 416G Genres of German Literature ............................................... 3
GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .... 3
GER 520 Special Topics Seminar ........................................................... 3
HIS 208 History of the Atlantic World .................................................. 3
HIS 352 Topics in European History Before 1789 .................................... 3
HIS 353 Topics in European History Since 1789 .................................... 3
HIS 512 Carolingian Empire ................................................................. 3
HIS 536 Intellectual and Cultural History of Russia to 1800 ......................... 3
HIS 557 History and Cultural History of Russia from 1800 to the Present ............ 3
HIS 546 The Byzantine Empire ............................................................. 3
HIS 552 Tudor-Stuart Britain, 1485-1714 ............................................... 3
HIS 564 History of Brazil .................................................................... 3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .... 3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present 3
HJS 327 Women in Judaism ................................................................ 3
IJS 425 Topics in Judaic Studies (Subtitle required)* ........................................ 3
ITA 263 Masterpieces of Italian Literature in Translation .............................................. 3
ITA 443G Survey of Italian Literature I .................................................. 3
JOU 319 World Media Systems ............................................................. 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present ...................... 3
JPN 420G Pre-Modern Literary and Visual Arts of Japan ............................................ 3
JPN 421G Contemporary Literary and Visual Arts of Japan ......................... 3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .......... 3
MCL 270 Introduction to Folklore and Mythology ........................................... 3
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .................... 3
MUS 330 Music in the World (Subtitle required)* ....................................... 3
PHI 343 Asian Philosophy .................................................................. 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .................... 3
PHI 516 Contemporary Philosophy: Phenomenological Directions ....................... 3
RUS 270 Russian Culture 900-1900 ...................................................... 3
RUS 271 Russian Culture 1900-Present .................................................. 3
RUS 370 Russian Folklore (in English) ................................................... 3
RUS 375 Seminar in Russian Film ........................................................ 3
RUS 380 Nineteenth-Century Russian Literature (in English) ............................. 3
RUS 381 Russian Literature 1900-Present (in English) ....................................... 3
RUS 400G Russian Cultural Studies (Subtitle required) ........................................ 3
RUS 460G Major Russian Writers (Subtitle required) .............................................. 3
RUS 463 Russian Film and Theater (Subtitle required) .......................................... 3
SAG 201 Cultural Perspectives on Sustainability ......................................... 3
SOC 435 Topics in Social Inequalities (Subtitle required)* .................................... 3
SPA 262 Spanish Literature in Translation (Subtitle required) ............................. 3
SPA 315 Introduction to Hispanic Literature ................................................ 3
SPA 320 Literature, Life and Thought of Spain ............................................. 3
SPA 322 Literature, Life and Thought of Spanish America ............................... 3
SPA 361 Latin American Literature in Translation (Subtitle required) ................. 3
SPA 371 Latin American Cinema (Subtitle required) ........................................... 3
SPA 372 Spanish Cinema (Subtitle required) .............................................. 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)* .... 3
SPA 420 Spanish in the World ................................................................ 3
SPA 424 Medieval and Early Modern Spanish Studies ........................................ 3
SPA 434 Spanish Literature of the 20th Century ............................................. 3
SPA 438G Literature of Social Protest in Spanish America ................................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required)* ................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required)* ............ 3
SPA 474 Topics in Hispanic Studies (Subtitle required)* ...................................... 3
SPA 480 Hispanic Kentucky .................................................................... 3
SW 320 Global Poverty: Responses Across Cultures ......................................... 3
TA 271 World Theatre II ..................................................................... 3
TA 273 World Theatre III ..................................................................... 3
TA 274 World Theatre IV .................................................................... 3
TA 485 French Theatre: Culture, Text and Performance .................................... 3
TA 584 Asian Theatre ......................................................................... 3

*The subtitle for this course must directly relate to the Culture and the Arts Concentration. You must check with the IS director or advisor for verification prior to taking the course.

Global Environment

The Global Environment concentration focuses on the international interplay of peoples, information, capital, culture and physical geographies.

ANT 311 Global Dreams and Local Realities in a "Flat" World ................................. 3
ANT 332 Human Evolution ..................................................................... 3
ANT 333 Contemporary Human Variation .................................................. 3
ANT 338 Economic Anthropology ......................................................... 3
ANT 350 Topics in Anthropology (Subtitle required)* ....................................... 3
ANT 351 Special Topics in Archaeology (Subtitle required)* ............................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* ................. 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* 3
ANT 375 Ecology and Social Practice ....................................................... 3
ANT 490 Anthropological Research Methods ............................................. 3
GEO 222 Cities of the World .................................................................... 3
GEO 231 Environment and Development .................................................. 3
GEO 235 Environmental Management and Policy ......................................... 3
GEO 351 Global Environmental Change .................................................. 3
GEO 365 Special Topics in Regional Geography (Subtitle required)* ............... 3
GEO 406 Field Studies (Subtitle required)* ................................................ 3
International Commerce
The International Commerce concentration focuses on the issues of managing global businesses, such as the effects of
differences in national requirements, cultural expectations,
economic structures, and governance.

AEC 309 International Agricultural, World Food Needs,
and U.S. Trade in Agricultural Products .......................... 3
AEC 510 International Trade and
Agricultural Marketing ...................................................... 3
ECO 465G Comparative Economic Systems* .................... 3
ECO 471 International Trade* ........................................... 3
ECO 473G Economic Development* ................................. 3
FIN 423 International Finance* ....................................... 3
FR 307 French for Business and Economics ....................... 3
GEO 255 Geography of the Global Economy .................... 3
GEO 551 Japanese Multinational Corporations .................... 3
GER 310 German for International Business
and Professions .................................................................. 3
JPN 334 Environment, Society and
Economy of Japan ................................................................ 3
MAT 470 International Merchandising ............................... 3
MGT 309 Introduction to International Business* ................. 3
MKT 435 International Marketing* .................................... 3
PS 433G Politics of International
Economic Relations .......................................................... 3
RUS 530 Business Russian .............................................. 3
SPA 302 Commercial and Technical Spanish ..................... 3
*Courses are from the Gatton College of Business and
Economics. They will be open to Gatton students who also
seek to major in International Studies, but may not be
available to International Studies majors enrolled entirely
in other colleges.

Human Rights and Social Movements
The Human Rights and Social Movements concentration
focuses on international struggles for political, social,
and economic equality and international efforts to guarantee
human rights by placing them into cross-cultural, interdis-
ciplinary, and historical perspectives.

AIS 338 Women and Islam ................................................. 3
AIS 340 Fundamentalism and Reform in Islam ..................... 3
ANT 311 Global Dreams and Local Realities
in a “Flat” World ...................................................................... 3
ANT 340 Development and Change
in the Third World ............................................................... 3
ANT 350 Topics in Anthropology
(Subtitle required)* ............................................................. 3
ANT 351 Special Topics in Anthropology (Subtitle required)* ............................................................. 3
ANT 352 Special Topics in Cultural Anthropology
(Subtitle required)* ............................................................. 3
ANT 353 Special Topics in Physical or
Biological Anthropology (Subtitle required)* ....................... 3
ANT 355 Social Anthropology .............................................. 3
ANT 490 Anthropological Research Methods .................... 3
ANT 525 Applied Anthropology ......................................... 3
ANT 548 Approaching Cultural History ......................... 3
COM 462 Intercultural Communication ......................... 3
ECO 473G Economic Development* ................................. 3
EPE 555 Comparative Education .................................... 3
GEO 222 Cities of the World .............................................. 3
GEO 231 Environment and Development ....................... 3
GEO 255 Geography of the Global Economy .................... 3
GEO 260 Geographies of Development
in the Global South ............................................................ 3
GEO 431 Political Ecology ............................................... 3
JPN 461G Japanese Colonialism and its Legacies .................. 3
MCL/SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................... 3
PS 391 Special Topics in Political Science
(Subtitle required)* ............................................................ 3
PS 433G Politics of International
Economic Relations .......................................................... 3
PS 435 Topics in Social Inequalities (Subtitle required)* ............ 3
SOC 380 Globalization: A
Cross-Cultural Perspective ............................................... 3
SOC 435 Topics in Social Inequalities
/Subtitle required* ............................................................. 3
SOC 444 Topics in Political Sociology
/Subtitle required* ............................................................. 3
SPA 454 Colonialism and 19th Century
Spanish-American Studies (Subtitle required)* .................... 3
SW 320 Global Poverty: 
Responses Across Cultures .............................................. 3

Area Concentrations
(12-15 credit hours in one theme and from at least two
departments)

Africa and the Middle East
A-H 307 Ancient Near Eastern and Egyptian Art ................... 3
A-H 308 Studies in African Art (Subtitle required) .................. 3
A-H 309 Cross-Cultural Studies in Art
/Subtitle required* ............................................................. 3
A-H 415G Topical Studies in Art History
/Subtitle required* ............................................................. 3
A-H 527 Art Within Its Interdisciplinary
Framework (Subtitle required)* ................................. 3
AIS 328 Islamic Civilization I .............................................. 3
AIS 330 Islamic Civilization II ............................................ 3
AIS 331 Classic Arabic Literature
/Subtitle required* ............................................................. 3
AIS 435 Topics in Islamic Studies
/Subtitle required* ............................................................. 3
AIS 440 Introduction to the Quran ...................................... 3
ANT 350 Topics in Anthropology
/Subtitle required* ............................................................. 3
ANT 351 Special Topics in Archaeology
/Subtitle required* ............................................................. 3
ANT 352 Special Topics in Cultural Anthropology
/Subtitle required* ............................................................. 3
ANT 353 Special Topics in Physical or
Biological Anthropology (Subtitle required)* ....................... 3
ANT 355 Social Anthropology .............................................. 3
ANT 490 Anthropological Research Methods .................... 3
ANT 493 Social Organization ............................................. 3
ANT 525 Applied Anthropology ......................................... 3
ANT 548 Approaching Cultural History ......................... 3
COM 462 Intercultural Communication ......................... 3
ECO 473G Economic Development* ................................. 3
EPE 555 Comparative Education .................................... 3
GEO 222 Cities of the World .............................................. 3
GEO 231 Environment and Development ....................... 3
GEO 255 Geography of the Global Economy .................... 3
GEO 260 Geographies of Development
in the Global South ............................................................ 3
GEO 431 Political Ecology ............................................... 3
JPN 461G Japanese Colonialism and its Legacies .................. 3
MCL/SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................... 3
PS 391 Special Topics in Political Science
/Subtitle required* ............................................................. 3
PS 433G Politics of International
Economic Relations .......................................................... 3
PS 435 Topics in Social Inequalities (Subtitle required)* ............ 3
SOC 380 Globalization: A
Cross-Cultural Perspective ............................................... 3
SOC 435 Topics in Social Inequalities
/Subtitle required* ............................................................. 3
SOC 444 Topics in Political Sociology
/Subtitle required* ............................................................. 3
SPA 454 Colonialism and 19th Century
Spanish-American Studies (Subtitle required)* .................... 3
SW 320 Global Poverty: 
Responses Across Cultures .............................................. 3

GER 352 German-Speaking Europe
/Subtitle required* ............................................................. 3
GWS 250 Social Movements ............................................. 3
HIS 521 European Social History, 1400-1800 ...................... 3
HIS 529 Women in Modern Europe .................................. 3
HIS 563 The History of Women in Latin America .................. 3
JPN 451G Social Movements in Modern Japan .................... 3
MCL/SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................... 3
PS 391 Special Topics in Political Science
/Subtitle required* ............................................................. 3
PS 433G Politics of International
Economic Relations .......................................................... 3
SOC 435 Topics in Social Inequalities (Subtitle required)* ............ 3
SOC 444 Topics in Political Sociology
/Subtitle required* ............................................................. 3
SPA 438G Literature of Social Protest
in Spanish America .......................................................... 3
SW 320 Global Poverty: 
Responses Across Cultures .............................................. 3
The subtitle for this course must directly relate to the
Human Rights and Social Movements Concentration.
You must check with the IS director or advisor for verification
prior to taking the course.

Note: The subtitle for this course must directly relate to the
Global Environment Concentration. You must check with
the IS director or advisor for verification prior to taking the course.
HIS 551 Foreign Policies of Middle East States .............. 3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages ......................... 3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present ............... 3
HJS 327 Women in Judaism ........................................... 3
HJS 425 Topics in Judaic Studies (Subtitle required)* ....................................................... 3
MUS 330 Music in the World (Subtitle required)* ................. 3
PHI 304 Islamic and Jewish Philosophy and the Classical Tradition ........................................ 3
PS 410 Topics in Regional Politics (Subtitle required)* ....................................................... 3
PS 417G Survey of Sub-Saharan Politics (Subtitle required)* .................................................. 3

*The subtitle for this course must directly relate to the Africa and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.

East, South, and Southeast Asia

A-H 309 Cross-Cultural Studies in Art (Subtitle required)* ....................................................... 3
A-H 310 Studies in East Asian Art (Subtitle required)* ............................................................... 3
A-H 415G Topical Studies in Art History (Subtitle required)* ................................................... 3
A-H 527 Art Within Its Interdisciplinary Framework (Subtitle required)* .................................... 3
AIS 328 Islamic Civilization I ........................................................................................................... 3
AIS 330 Islamic Civilization II ......................................................................................................... 3
AIS 331 Classical Arabic Literature (in English) ................................................................. 3
AIS 338 Women and Islam .............................................................................................................. 3
AIS 340 Fundamentalism and Reform in Islam ................................................................................. 3
AIS 435 Topics in Islamic Studies (Subtitle required)* ..................................................................... 3
AIS 440 Introduction to the Quran .................................................................................................. 3
ANT 327 Culture and Societies of India .......................................................................................... 3
ANT 350 Topics in Anthropology (Subtitle required)* .................................................................. 3
ANT 351 Special Topics in Archaeology (Subtitle required)* ........................................................ 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* ......................................... 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* ................... 3
CHI 320 Gender Politics in Chinese Literature .............................................................................. 3
CHI 321 Introduction to Contemporary Chinese Film ..................................................................... 3
CHI 330 Introduction to Chinese Culture; Pre-Modern to 1840 .................................................. 3
CHI 331 Introduction to Chinese Culture, 1840 to Present ............................................................ 3
CHI 430 Popular Culture in Modern China .................................................................................... 3
FA 501 Arts-Study Tour* ................................................................................................................. 3
GEO 330 Geography of the Indian Subcontinent ........................................................................... 3
GEO 332 Geography of Southeast Asia ........................................................................................... 3
GEO 333 Geography of East Asia .................................................................................................... 3
GEO 334 Environment, Society and Economy of Japan ............................................................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required)* ............................................. 3
GEO 406G Field Studies (Subtitle required)* ................................................................................. 1-9
HIS 295 East Asia to 1800 .......................................................... 3
HIS 296 East Asia Since 1800 .................................................... 3
HIS 355 Topics in Non-Western History Since 1789* ................................................................. 3
HIS 593 East Asian History Since World War II ............................................................................. 3
HIS 598 China in Revolution, 1895-1976 ....................................................................................... 3
JPN 320 Introduction to Japanese Culture Pre-Modern to 1688 .................................................... 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .................................................. 3
JPN 334 Environment, Society and Economy of Japan ................................................................. 3

JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) ............................................ 3
JPN 420G Pre-Modern Literary and Visual Arts of Japan .............................................................. 3
JPN 421G Contemporary Literary and Visual Arts of Japan .......................................................... 3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship ............................ 3
JPN 451G Social Movements in Modern Japan .............................................................................. 3
JPN 461G Japanese Colonialism and Its Legacies ........................................................................... 3
JPN 491G Japanese Landscapes ...................................................................................................... 3
JPN 551 Japanese Multinational Corporations (Subtitle required)* ................................................ 3
MUS 330 Music in the World (Subtitle required)* ........................................................................... 3
PHI 343 Asian Philosophy ................................................................................................................ 3
PS 410 Topics in Regional Politics (Subtitle required)* ................................................................. 3
PS 419G The Governments and Politics of Eastern Asia ................................................................. 3
PS 420G Governments and Politics of South Asia ........................................................................... 3
TA 584 Asian Theatre ...................................................................................................................... 3

Europe

A-H 309 Cross-Cultural Studies in Art (Subtitle required)* ............................................................. 3
A-H 312 Studies in Greek Art (Subtitle required) .......................................................................... 3
A-H 313 Studies in Roman Art (Subtitle required) .......................................................................... 3
A-H 334 Studies in Renaissance Art (Subtitle required) ................................................................. 3
A-H 415G Topical Studies in Art History (Subtitle required)* .......................................................... 3
A-H 527 Art Within Its Interdisciplinary Framework (Subtitle required)* ....................................... 3
ANT 350 Topics in Anthropology (Subtitle required)* .................................................................. 3
ANT 351 Special Topics in Archaeology (Subtitle required) .......................................................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* ........................................... 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* ................... 3
CLA 210 The Art of Greece and Rome .............................................................................................. 3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great ......................... 3
CLA 230 The Hellenistic World and Rome to the Death of Constantine ........................................ 3
CLA 261 Literary Masterpieces of Greece and Rome ....................................................................... 3
CLA 301 Latin Literature I (Subtitle required) ................................................................................. 3
CLA 302 Latin Literature II (Subtitle required) ............................................................................... 3
CLA 312 Studies in Greek Art (Subtitle required) .......................................................................... 3
CLA 313 Studies in Roman Art (Subtitle required) ......................................................................... 3
CLA 331 Gender and Sexuality in Antiquity ..................................................................................... 3
CLA 382 Greek and Roman Religion ............................................................................................... 3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE .......................................... 3
CLA 391 Christians in the Roman Empire ....................................................................................... 3
CLA 450G Special Topics in Classical Studies (Subtitle required)* .................................................. 3
CLA 462G Topics in Classical Literature (Subtitle required) ............................................................ 3
CLA 480S Special Topics in Greek and Latin Literature (Subtitle required) ................................... 3
CLA 509 Roman Law ........................................................................................................................ 3
CLA 524 The Latin Literature of the Republic (Subtitle required) .................................................... 3
CLA 525 The Latin Literature of the Empire (Subtitle required) ....................................................... 3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) ................................ 3

CLA 551 Greek Poetry and Drama (Subtitle required) ....................................................................... 3
CLA 555 Greek Prose (Subtitle required) ......................................................................................... 3
ENG 261 Survey of Western Literature from the Greeks through the Renaissance ......................... 3
ENG 262 Survey of Western Literature from 1660 to the Present ................................................... 3
ENG 330 Text and Context (Subtitle required)* ................................................................................ 3
ENG 331 Survey of British Literature I ............................................................................................. 3
ENG 332 Survey of British Literature II ............................................................................................ 3
ENG 333 Studies in a British Author or Authors (Subtitle required) .................................................. 3
ENG 340 Shakespeare ....................................................................................................................... 3
ENG 481G Studies in British Literature (Subtitle required) .............................................................. 3
FA 501 Arts-Study Tour* .................................................................................................................. 3
FR 350 Francophone Cultures (Subtitle required)* .......................................................................... 3
FR 465G Topics in French Literature and Culture in Translation (Subtitle required)* ....................... 3
FR 470G Topical Seminar I (Subtitle required) ............................................................................... 3
GEO 326 Geography of Europe ....................................................................................................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required)* ............................................. 3
GER 263 The German Cultural Tradition I ....................................................................................... 3
GER 264 The German Cultural Tradition II ....................................................................................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ........................................ 3
GER 312 Introduction to German Literature: Popular Forms ........................................................... 3
GER 317 History of German Culture .................................................................................................. 3
GER 319 Contemporary German Literature and Culture ................................................................. 3
GER 325 German-Speaking Europe (Subtitle required) ................................................................. 3
GER 361 German Cinema .................................................................................................................. 3
GER 363 Germanic Mythology ......................................................................................................... 3
GER 415G Major German Authors (Subtitle required) .................................................................. 3
GER 416G Genres of German Literature ......................................................................................... 3
GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .................. 3
GER 520 Special Topics Seminar ........................................................................................................ 3
HIS 202 History of British People to the Restoration ...................................................................... 3
HIS 263 History of British People Since the Restoration .................................................................. 3
HIS 268 History of the Atlantic World ............................................................................................. 3
HIS 230 The Hellenistic World and Rome to the Death of Constantine ........................................ 3
HIS 323 The Holocaust .................................................................................................................... 3
HIS 352 Topics in European History Before 1789 ......................................................................... 3
HIS 353 Topics in European History Since 1789 .......................................................................... 3
HIS 370 Early Middle Ages ............................................................................................................. 3
HIS 371 Later Middle Ages ............................................................................................................. 3
HIS 500 Preclassical and Classical Greece ....................................................................................... 3
HIS 501 Fourth Century Greece and the Hellenistic World .............................................................. 3
HIS 502 A History of the Roman Republic ...................................................................................... 3
HIS 503 A History of the Roman Empire .......................................................................................... 3
HIS 504 Greek and Roman Medicine ............................................................................................. 3
HIS 509 Roman Law .......................................................................................................................... 3
HIS 512 Carolingian Empire ............................................................................................................. 3
HIS 514 Spain: From Reconquest to Empire, 1200-1700 ................................................................ 3
HIS 519 The Era of the Renaissance ................................................................................................. 3
HIS 521 European Social History, 1400-1800 ............................................................................... 3
HIS 522 Europe and the World in the Age of Revolution (1766-1815) ............................................. 3
HIS 525 Modern Europe: 1890-1939 ............................................................................................... 3
HIS 526 Europe Since 1939 .............................................................................................................. 3
HIS 529 Women in Modern Europe ................................................................................................. 3
HIS 540 History of Modern France to 1815 ....................................................................................... 3
HIS 541 History of Modern France Since 1815 ............................................................................... 3
HIS 542 German History, 1789-1918 ............................................................................................... 3
### Language Core Requirement

Choose one of the following language concentrations.

#### French

- FR 307 French for Business and Economics

#### German

- GER 205 Reading and Writing Practice
- GER 206 Spoken Communication
- GER 307 Intermediate German Composition and Conversation I
- GER 310 German for International Business and Professions

#### Japanese

- JPN 202 Intermediate Japanese II
- JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present
- JPN 334 Environment, Society and Economy of Japan

#### Russian

- RUS 271 Russian Culture 1900-Present
- RUS 301 Advanced Intermediate Russian I
- RUS 302 Advanced Intermediate Russian II
Japanese language competence, and for Japan-related career choices.

**Bachelor of Arts with a major in JAPANESE LANGUAGE AND LITERATURE**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II

**VII. Quantitative Foundations**

Choose one course from approved list

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list

**X. Global Dynamics**

Choose one course from approved list

**UK Core Hours**

30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement hours:** .... 3

### College Requirements

- **I. Foreign Language (completed by Premajor Requirement)**
- **II. Disciplinary Requirements**
  - a. Natural Science
  - b. Social Science
  - c. Humanities (completed by Major Requirements)
- **III. Laboratory or Field Work**
- **IV. Electives**

**College Requirement hours:** ........ 19

### JAPAN STUDIES

The Japanese Language and Literature major emphasizes language acquisition through four years of language training, together with an approach that integrates a range of disciplinary perspectives including literature, cultural/media studies, anthropology, geography, history, philosophy, art, and sociology. The program will prepare students for a variety of post-baccalaureate options, serving as preparation both for graduate training in fields requiring advanced Japanese Language competence, and for Japan-related career choices.

### Premajor Requirements

- JPN 201 Intermediate Japanese I
- JPN 202 Intermediate Japanese II

**Subtotal: Premajor Requirements** .... 6

### Major Requirements

**A. Language Requirements**

- JPN 301 Advanced Japanese I
- JPN 302 Advanced Japanese II
- JPN 301 Advanced Japanese III
- JPN 302 Advanced Japanese IV

**Subtotal: Language Requirements** .... 12

**B. Interdisciplinary Core Requirements**

Choose 18 hours from:

- Arts, Literature, and Film
- Contemporary Culture, Society, and Politics
- Geography and Economics

**Subtotal: Interdisciplinary Core hours:** ........ 18

### C. From Outside the Major Department

Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, Chinese, classics, communication, community and leadership development, education, English, French, gender and women’s studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literatures and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor.

**Subtotal: From Outside the Major Department hours:** .... 14

### Electives

Select free elective courses to lead to the minimum total of 120 hours required for graduation.

**Subtotal: Electives** .... 10-20

**TOTAL HOURS:** .... 120

### Bachelor of Science with a major in JAPANESE LANGUAGE AND LITERATURE

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a LIN prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you
choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core Hours .............................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements
a. Natural Science ....................................................... 3
b. Social Science ....................................................... 3
c. Humanities (completed by Major Requirements) ...........

III. Laboratory or Field Work ............................................ 1

IV. Electives .................................................................. 6

College Requirement hours: .......................... 13

Premajor Requirements
JPN 201 Intermediate Japanese I ................................ 3
JPN 202 Intermediate Japanese II ................................. 3

Subtotal: Premajor Requirements ......................... 6

Major Requirements
A. Language Requirements
JPN 301 Advanced Japanese I ..................................... 3
JPN 302 Advanced Japanese II ................................... 3
JPN 401 Advanced Japanese III .................................. 3
JPN 402 Advanced Japanese IV ................................... 3

Subtotal: Language Requirements ....................... 12

B. Interdisciplinary Core Requirements
Choose 18 hours from:
Arts, Literature, and Film
JPN 402G, JPN 401G, JPN 404G, JPN 405 and A-H 310 and/or other related courses with the approval of the major advisor.

Contemporary Culture, Society, and Politics
JPN/GEO 334, JPN 430G, JPN 321 and/or other related courses with the approval of the major advisor.

Geography and Economics
JPN/GEO 491G, JPN/GEO 551 and/or other related courses with the approval of the major advisor.

Cultural History
HIS 295, HIS 296, JPN 320 and/or other related courses with the approval of the major advisor.

Subtotal: Interdisciplinary Core hours: ...................... 18

C. From Outside the Major Department
Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, Chinese, classics, communication, community and leadership development, education, English, French, gender and women’s studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literatures and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor. 200+ level courses used to satisfy UK Core and College requirements can also be counted here.

Subtotal: From Outside the Major Department hours: ...... 14

Total Course Work Required for the Major: ..................... 44

Electives
Select free elective courses to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives .................................................. 10-20

TOTAL HOURS: ...................................................... 120

LINGUISTICS

Linguistics is an interdisciplinary program combining resources from English, anthropology, psychology, philosophy, computer science, and the foreign languages, to develop an understanding of the nature and implications of human language. The Linguistics program provides solid foundations in phonological and grammatical analysis, as well as opportunities to investigate the social, cultural, psychological, and physical aspects of language use.

Bachelor of Arts with a major in LINGUISTICS

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

NOTE: The B.A. in Linguistics as listed below has been provisionally approved; formal approval is expected in Fall 2011.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core Hours .............................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements
a. Natural Science ....................................................... 6
b. Social Science ....................................................... 6
c. Humanities (completed by Major Requirements) ...........

III. Laboratory or Field Work ............................................ 6

IV. Electives .................................................................. 6

College Requirement hours: .......................... 19

Premajor Requirements
Complete the third and fourth semesters of a foreign language (or the equivalent) .......................... 6-8

Premajor hours: ...................................................... 6-8

Major Requirements
Major Core Requirements
LIN 211 Introduction to Linguistics I ......................... 3
LIN 212 Introduction to Linguistics II ......................... 3

plus four major area courses:
LIN 500 Phonetics .................................................. 3
LIN 505 Linguistic Morphology ............................... 3
College of Arts and Sciences

LIN 512 Analysis of English Syntax .................. 3
LIN 515 Phonological Analysis ......................... 3
plus fifteen additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses ......................................... 15

**Major Core hours:** ........................................ 33

**Other Course Work Required for the Major**

**For the Related Component:**
Choose fifteen hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program ................................................................. 15

**Other Major hours:** ........................................ 15

**Electives**
Choose electives to lead to the minimum total of 120 hours required for graduation ................................................... 9

**Total Minimum Hours Required for Degree** ........... 120

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**Bachelor of Science with a major in LINGUISTICS**

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a LIN prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

**NOTE:** The B.S. in Linguistics as listed below has been provisionally approved; formal approval is expected in Fall 2011.

**UK Core Requirements**
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. **Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list .................................. 3

II. **Intellectual Inquiry in the Humanities**
Choose one course from approved list .................................. 3

III. **Intellectual Inquiry in the Social Sciences**
Choose one ANT or SOC course from approved list .............. 3

IV. **Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list .................................. 3

V. **Composition and Communication I**
CIS/WRD 110 Composition and Communication I ........ 3

VI. **Composition and Communication II**
CIS/WRD 111 Composition and Communication II .......... 3

VII. **Quantitative Foundations**
Choose one course from approved list .................................. 3

VIII. **Statistical Inferenceal Reasoning**
Choose one course from approved list .................................. 3

IX. **Community, Culture and Citizenship in the USA**
Choose one course from approved list .................................. 3

X. **Global Dynamics**
Choose one course from approved list .................................. 3

**UK Core Hours** .............................................. 30

**Graduation Writing Requirement**
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ............... 3

**College Requirements**
I. **Foreign Language (completed by Premajor Requirements)**

II. **Disciplinary Requirements**
   a. **Natural Science** ............................................ 3
   b. **Social Science** ............................................ 3
   c. **Humanities (completed by Major Requirements)** 3

III. **Laboratory or Field Work** .................................. 1

IV. **Electives** ..................................................... 6

**College Requirement hours:** ............................... 13

**Premajor Requirements**
Complete the third and fourth semesters of a foreign language (or the equivalent) ................................................. 6-8

**Premajor hours:** .............................................. 6-8

**Major Requirements**

**Major Core Requirements**
LIN 211 Introduction to Linguistics I ......................... 3
LIN 212 Introduction to Linguistics II ......................... 3
plus four major area courses:
LIN 500 Phonetics .................................................. 3
LIN 505 Linguistic Morphology ................................... 3
LIN 512 Analysis of English Syntax .......................... 3
LIN 515 Phonological Analysis .................................. 3
plus fifteen additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses ............................................. 15

**Major Core hours:** ........................................... 33

**Other Course Work Required for the Major**

**For the Related Component:**
Choose fifteen hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program ................................................................. 15

**Other Major hours:** ........................................... 15

**Electives**
Choose electives to lead to the minimum total of 120 hours required for graduation ................................................... 12

**Total Minimum Hours Required for Degree** ........... 120

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**Minor in Linguistics**
The minor in linguistics requires 18 hours of course work to be selected as follows:

1. ENG/LIN 211
2. ENG/LIN 212

**Major Course Courses (6 hours):**
Choose from: LIN 509, ENG/LIN 515, ENG/LIN 516, ENG/LIN 512, EDC/ENG/LIN 513.

To make up the total of 18 hours, choose two courses from among the remaining LIN courses, including any of those listed above.

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**MATHEMATICAL ECONOMICS**
The mathematical economics major offers students a degree program that combines mathematics, statistics, and economics. In today’s increasingly complicated international business world, a strong preparation in the fundamentals of both economics and mathematics is crucial to success. This degree program is designed to prepare a student to go directly into the business world with skills that are in high demand, or to go on to graduate study in economics or finance. A degree in mathematical economics would, for example, prepare a student for the beginning of a career in operations research or actuarial science.

In many ways, the mathematical economics program parallels the engineering philosophy. It combines the quantitative methods of mathematics with an applied science in order to solve real problems. As an example, operations research is used to optimize costs for extremely complicated systems such as airline scheduling. A major problem in business and economics is decision making under uncertainty. Efficient inventory control for large national retail chains can mean the difference between success and failure. A business will improve its bottom line if it can effectively control cost of inventory under the uncertainty of consumer demand. The solution of control problems of this type requires knowledge of relatively sophisticated mathematics and statistics as well as knowledge of basic economic principles.

There is currently a serious shortage of individuals who have sufficient training in mathematics and statistics as well as an understanding of business and economics. Companies that employ operations research analysts or actuaries cannot fill their positions. Mathematical economics and related areas have often been referred to as engineering for the service sector or “financial engineering.” With the ever increasing importance of the service sector in our economy, the math-econ degree will prove to be a valuable asset. The program will give the student an opportunity to study a fascinating collection of ideas and will also provide the student with very marketable skills.
Bachelor of Arts with a major in **MATHEMATICAL ECONOMICS**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list ........................ 3

**II. Intellectual Inquiry in the Humanities**
Choose one course from approved list ........................ 3

**III. Intellectual Inquiry in the Social Sciences**
Choose one course from approved list ........................ 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list ........................ 3

**V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I ........ 3

**VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II ....... 3

**VII. Quantitative Foundations**
Choose one course from approved list ........................ 3

**VIII. Statistical Inferential Reasoning**
Choose one course from approved list ........................ 3

**IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list ........................ 3

**X. Global Dynamics**
Choose one course from approved list ........................ 3

**UK Core Hours** ................................................... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** .......................... 3

**College Requirements**

I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements
   a. Natural Science .................................................. 6
   b. Social Science (completed by Major Requirements) .......... 6
   c. Humanities ........................................................ 3
   III. Laboratory or Field Work .................................... 1
   IV. Electives ......................................................... 6

**College Requirement hours:** ........................................ 19-33

**Premajor Requirements**

*MA 113 Calculus I .................................................... 4
MA 114 Calculus II ................................................. 4

**Premajor hours:** .................................................... 8

**Major Requirements**

**Mathematics Core Requirements**
MA 213 Calculus III .................................................. 4
MA 214 Calculus IV ..................................................... 3
MA 320 Introductory Probability .................................. 3
MA 322 Matrix Algebra and its Applications ............... 3

**Mathematics Core hours:** .......................................... 13

**Economics Core Requirements**
ECO 201 Principles of Economics I ................................ 3
ECO 202 Principles of Economics II ................................ 3
ECO 391 Economic and Business Statistics .................. 3
ECO 401 Intermediate Microeconomic Theory ............... 3
ECO 402 Intermediate Macroeconomic Theory ............... 3

**Economics Core hours:** .......................................... 15

**Other Course Work Required for the Major**

**For the Mathematics Component:**
Choose one of the following sequences: MA 416G and MA 417G, MA 471G and MA 472G, or STA 524 and STA 525 ................. 6

**For the Economics Component**
Choose nine hours of 300+ level economics courses .............. 9

**For the Statistics Component**
Choose STA 291 or a higher level statistics course .......... 3

**Other Major hours:** ............................................... 18

**Electives**
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................ 9

**Total Minimum Hours Required for Degree:** 120

*Course used towards completion of a UK Core Requirement.

**Bachelor of Science with a major in **MATHEMATICAL ECONOMICS**

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ECO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list ........................ 3

**II. Intellectual Inquiry in the Humanities**
Choose one course from approved list ........................ 3

**III. Intellectual Inquiry in the Social Sciences**
Choose one course from approved list ........................ 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list ........................ 3

**V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I ........ 3

**VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II ....... 3

**VII. Quantitative Foundations**
Choose one course from approved list ........................ 3

**VIII. Statistical Inferential Reasoning**
Choose one course from approved list ........................ 3

**IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list ........................ 3

**X. Global Dynamics**
Choose one course from approved list ........................ 3

**UK Core Hours** ................................................... 30

**College Requirements**

I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements
   a. Natural Science .................................................. 3
   b. Social Science (completed by Major Requirements) .......... 3
   c. Humanities ........................................................ 3
   III. Laboratory or Field Work .................................... 1
   IV. Electives ......................................................... 6

**College Requirement hours:** ........................................ 13-27

**Premajor Requirements**

*MA 113 Calculus I .................................................... 4
MA 114 Calculus II ................................................. 4

**Premajor hours:** .................................................... 8

**Major Requirements**

**Mathematics Core Requirements**
MA 213 Calculus III .................................................. 4
MA 214 Calculus IV ..................................................... 3
MA 320 Introductory Probability .................................. 3
MA 322 Matrix Algebra and its Applications ............... 3

**Mathematics Core hours:** .......................................... 13

**Economics Core Requirements**
ECO 201 Principles of Economics I ................................ 3
ECO 202 Principles of Economics II ................................ 3
ECO 391 Economic and Business Statistics .................. 3
ECO 401 Intermediate Microeconomic Theory ............... 3
ECO 402 Intermediate Macroeconomic Theory ............... 3

**Economics Core hours:** .......................................... 15

**Other Course Work Required for the Major**

**For the Mathematics Component:**
Choose one of the following sequences: MA 416G and MA 417G, MA 471G and MA 472G, or STA 524 and STA 525 ................. 6

**For the Economics Component**
Choose nine hours of 300+ level economics courses .............. 9

**For the Statistics Component**
Choose STA 291 or a higher level statistics course .......... 3

**Other Major hours:** ............................................... 18
College of Arts and Sciences

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................ 12

Total Minimum Hours Required for Degree .................. 120

*Course used towards completion of a UK Core Requirement.

MATHEMATICS

The department offers two programs leading to the B.A. or B.S. degree. Students may major in mathematics by completing the requirements for either: Option A, Mathematics or Option B, Mathematical Sciences.

The mathematics option consists of courses offered solely by the department of mathematics and is intended for those who wish to follow a traditional mathematics career path. The mathematical sciences option consists of courses offered by the departments of computer science, mathematics and statistics, and is intended for those who opt for a career that requires the application of mathematics. The requirements for these programs are outlined below.

Bachelor of Arts with a major in MATHEMATICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................. 3

VII. Quantitative Foundations
MA 113 Calculus I .......................................................... 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................ 3

X. Global Dynamics
Choose one course from approved list ........................................ 3

UK Core Hours ............................................................... 31

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ....................... 3

College Requirements
I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements
a. Natural Science .......................................................... 6
b. Social Science .......................................................... 6
c. Humanities ............................................................. 6
III. Laboratory or Field Work ................................................. 1

IV. Electives
Choose nine hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G.

Major Requirements
Major Core Requirements
MA 213 Calculus III ........................................................ 4
MA 214 Calculus IV ....................................................... 4
MA 261 Introduction to Number Theory ............................ 3
MA 322 Matrix Algebra and its Applications ...................... 3

Major Core hours: ......................................................... 10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G.

From Outside the Major Department
Choose 14 hours outside mathematics at the 300+ level. Courses are generally chosen from physics, chemistry, biology, logic, statistics, computer science, economics, and engineering. 200+ level courses used to satisfy College requirements can also be counted here ........................................ 14

Other Major hours: ......................................................... 32

OPTION A - Mathematics

Premajor Requirements
*MA 113 Calculus I .......................................................... 4
MA 114 Calculus II ........................................................ 4
CS 115 Introduction to Computer Programming .................. 3

Premajor hours: ......................................................... 11

OPTION B - Mathematical Sciences

Premajor Requirements
*MA 113 Calculus I .......................................................... 4
MA 114 Calculus II ........................................................ 4
CS 115 Introduction to Computer Programming .................. 3
CS 215 Introduction to Program Design, Abstraction and Problem Solving .................................................. 4

Premajor hours: ......................................................... 15

Bachelor of Science with a major in MATHEMATICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................. 3

VII. Quantitative Foundations
MA 113 Calculus I .......................................................... 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................ 3

X. Global Dynamics
Choose one course from approved list ........................................ 3

UK Core Hours ............................................................... 31

Other Course Work Required for the Major
From the Major Department:
Choose one of the following: MA 361, MA 433G, MA 471G ......................................................... 3

Choose nine hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 481G/483G, CS/MA 321/322, CS/MA 416G and MA/STA 417G, CS 315/450G. A substitute sequence may be approved upon petition by the student to the Director of Undergraduate Studies. Approved courses in the mathematical sciences include those courses in computer science, engineering, mechanics, mathematics, and statistics which are not of a service nature ........................................ 9

From Outside the Major Department
Choose nine hours outside Mathematics at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ........................................ 9

Other Major hours: ......................................................... 21

Total Minimum Hours Required for Degree .................. 121

*Course used towards completion of a UK Core Requirement.
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
MA 113 Calculus I ......................................................... 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................................ 3

X. Global Dynamics
Choose one course from approved list ........................................................ 3

UK Core Hours ......................................................... 31

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ...... 3

College Requirements
I. Foreign Language (placement exam recommended) ............................................. 0-14
II. Disciplinary Requirements
a. Natural Science .......................................................... 3
b. Social Science ........................................................ 3
c. Humanities ............................................................. 3
III. Laboratory or Field Work ....................................................... 1
IV. Electives .............................................................................. 6

College Requirement hours: ............... 16-30

OPTION A - Mathematics

Premajor Requirements
*MA 113 Calculus I .............................................................. 4
MA 114 Calculus II ............................................................. 4
CS 115 Introduction to Computer Programming .......... 3

Premajor hours: ......................................................... 11

Major Requirements
Major Core Requirements
MA 213 Calculus III .......................................................... 4
MA 214 Calculus IV .......................................................... 3
or
MA 261 Introduction to Number Theory .............. 3
MA 322 Matrix Algebra and its Applications ........ 3

Major Core hours: ......................................................... 10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 417G/427G, MA 418G/438G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 417G, 427G.
May not include MA 322. ............................................. 18

From Outside the Major Department
Choose 14 hours outside Mathematics at the 300+ level. Courses are generally chosen from physics, chemistry, biology, logic, statistics, computer science, economics, and engineering. 200+ level courses used to satisfy College requirements can also be counted here ............................................. 14

Other Major hours: ......................................................... 32

OPTION B - Mathematical Sciences

Premajor Requirements
*MA 113 Calculus I .............................................................. 4
MA 114 Calculus II ............................................................. 4
CS 115 Introduction to Computer Programming .......... 3
CS 215 Introduction to Program Design, Abstraction and Problem Solving .......... 4

Premajor hours: ......................................................... 15

Major Requirements
Major Core Requirements
MA 213 Calculus III .......................................................... 4
MA 214 Calculus IV .......................................................... 3
CS 216 Introduction to Software Engineering .......... 3
STA 281 Probability and Statistics Using Interactive Computer Techniques ............ 3
MA/STA 320 Introductory Probability ......................... 3
CS/MA 321 Introduction to Numerical Methods .......... 3
STA 321 Basic Statistical Theory I ................................. 3
MA 322 Matrix Algebra and its Applications ........... 3
CS/MA 416G Principles of Operations Research I ...... 3
STA 422G Basic Statistical Theory II ........................... 3

Major Core hours: ......................................................... 31

Other Course Work Required for the Major
From the Major Department:
Choose one of the following: MA 361, MA 433G, MA 471G ....... 3

Choose nine hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 481G/483G, CS/MA 321/422, CS/MA 416G and MA/STA 417G, CS 315G/450G. A substitute sequence may be approved upon petition by the student to the Director of Undergraduate Studies. Approved courses in the mathematical sciences include those courses in computer science, engineering mechanics, mathematics, and statistics which are not of a service nature ............................................. 9

From Outside the Major Department
Choose nine hours outside Mathematics at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ............................................. 9

Other Major hours: ......................................................... 21

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ............................................. 0-9

Total Minimum Hours Required for Degree ............................................. 120

*Course used towards completion of a UK Core Requirement.

Mathematics Cooperative Education
Qualified students who major in mathematics may participate in the Mathematical Sciences Cooperative Education Program which provides the opportunity for alternate semesters of academic study and full-time employment in business or industry. Guidelines and application forms are available in the Engineering/Math Sciences Co-op Program Office, 320 Robotics Building.

Minor in Mathematics
Students who minor in mathematics must complete the following:

1. MA 113/114 Calculus I and II and ......................... 8
2. MA 213 Calculus III ......................................................... 4
or equivalent
3. Six additional hours of mathematics courses numbered greater than 213. Possible courses include: MA 214, MA 261, MA 320, MA 321, MA 330, MA 341, MA 351, MA 361, or any 400 level math course.

MILITARY SCIENCE AND LEADERSHIP
(Army Officer Commissioning)

The Army Reserve Officers’ Training program at the University of Kentucky is open to both men and women and follows a general military science curriculum that is normally completed in four years but which may be completed in two years. An academic major in military science is not offered. The program’s primary objective is to commission the future leadership of the line branches of the Active Army, Army National Guard, and U.S. Army Reserve.

Scholarships
Students interested in Army ROTC scholarships should contact the Army ROTC Admission Office at (859) 257-8685; or visit 101 Barker Hall on campus. Additionally, students should refer to the Student Financial Aid, Awards, and Benefits section of this Bulletin.

Academic Program
Successful completion of 20 credit hours of military science courses while simultaneously completing undergraduate or graduate degree requirements qualifies a student to be commissioned as a Second Lieutenant in the U.S. Army. Required program courses are: AMS 101, AMS 102, AMS 211, AMS 212, AMS 301, AMS 302, AMS 341, AMS 342, an approved military history course, a computer science course, and continuous enrollment (or participation) in KHP 107 and AMS 250 or 350 once contracted in the ROTC program. Also, cadets attend a five-week Leadership Development Assessment Course, usually in the summer between the junior and senior years.

An alternative two-year program is available for students with at least two academic years remaining until graduation and who have not completed the AMS 100- and AMS 200-level courses. This program is particularly suited to community college students transferring to the University, or students who did not participate in the Basic Program during their freshman and sophomore years. Students should contact the Professor of Military Science about the five-week Leadership Training Course conducted each summer at Fort Knox, Kentucky. Successful completion of the camp enables students to take AMS 300-level courses and complete the precommission program in two years.

In certain cases, veterans or students who have completed Army basic training are also eligible to complete the program in two years. Members of the Army National Guard or U.S. Army Reserve
may also directly enroll in the Leadership Development Assessment Course and participate in the Simultaneous Membership Program (SMP).

The Basic Course: (100 and 200 level) are orientational and deal with the Army’s role in the U.S. government. American military history, small unit organizations/operations, military geography/map reading and some adventure training are also addressed. No military obligation is incurred by completion of the courses.

The Advanced Course: (300 level) focus on leadership, management, and command/staff responsibilities within military organizations. All upper division Army ROTC students receive $450+ per month tax-free subsistence pay during the academic year. During the summer, students receive about $700 while attending Camp.

Leadership Lab periods, held weekly during the academic year, and on one Saturday per semester, focus on adventure-type training (e.g., orienteering, rappelling, survival training, and basic marksmanship). These activities are offered, subject to availability of equipment and facilities, to provide an opportunity to develop leadership, organizational abilities, and confidence.

Professional development and enrichment opportunities are also available through ROTC-sponsored university organizations – the Pershing Rifles and Kentucky Rangers.

Army ROTC incorporates the dimension of leadership into the academic curriculum and provides training and experience that can be valuable in any profession.

For more information, contact the Professor of Military Science, ATTN: Admissions Officer, U.S. Army ROTC, 101 Barker Hall, University of Kentucky, Lexington, KY 40506-0028; or call (859) 257-6864. Visit the Web site at: www.uky.edu/armyrotc/.

MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

The Department of Modern and Classical Languages, Literatures and Cultures is comprised of the Divisions of Classics, French and Italian, German Studies, and Russian and Eastern Studies.

CLASSICS

The Division of Classics offers a Bachelor of Arts and a Bachelor of Science degree in Classics. The division teaches a broad range of courses in the languages, literature, history, art, and thought of the Greco-Roman world. The minimum requirements for graduation with departmental honors in Classics are an overall grade-point average of 3.55 and the completion of two 300 level courses in Greek or Latin with grades of B. Access the division’s Web site at: www.uky.edu/AS/Classics/ for more information.

Bachelor of Arts with a major in CLASSICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list …………………….. 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list …………………….. 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list …………………….. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list …………………….. 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I …… 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II …... 3

VII. Quantitative Foundations

Choose one course from approved list …………………….. 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list …………………….. 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list …………………….. 3

X. Global Dynamics

Choose one course from approved list …………………….. 3

UK Core Hours …………………………………………. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: …..... 3

College Requirements

I. Foreign Language (completed by Major Requirements)

II. Disciplinary Requirements

a. Natural Science ………………………………………… 6

b. Social Science ………………………………………… 6

c. Humanities (completed by Major Requirements) ……... 1

III. Laboratory or Field Work ……………………………… 1

IV. Electives ………………………………………………….. 6

College Requirement hours: …………………….. 19

Premajor Requirements

CLA 101 and 102 Elementary Latin or equivalent

OR

CLA 151 and 152 Elementary Greek or equivalent ………………………………………… 8

Premajor hours: ……………………………………… 8

Major Requirements

Courses Within Classics

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent. Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA. (CLA 201/202 and CLA 251/252 contribute to this total.)

Classics Courses hours: ………………………… 18

Courses Outside of Classics

Complete 15 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

Non-Classics Courses hours: ……………………. 15

Additional Courses (Elective)

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

Additional Courses hours: …………………… 9

Upper Level Requirement

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

Major hours: ……………………………………… 42

Explanation of Major Requirements

At the discretion of the student’s advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy and art history.

The Major requirements in Classics are fully satisfied if a student has:

1. Completed the Premajor Requirement.

2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).

3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.

4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.

5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.

6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ……………………………………… 15

Total Minimum Hours

Required for Degree ……………………………………… 120
Bachelor of Science with a major in
CLASSICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a CLA prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core Hours ................................................. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ........ 3

College Requirements

I. Foreign Language (completed by Major Requirements)

II. Disciplinary Requirements
   a. Natural Science ................................................. 3
   b. Social Science .................................................. 3
   c. Humanities (completed by Major Requirements) .... 3

III. Laboratory or Field Work .................................... 1

IV. Electives ...................................................... 6

College Requirement hours: ......................... 13

Premajor Requirements

CLA 101 and 102 Elementary Latin or equivalent

OR
CLA 151 and 152 Elementary Greek or equivalent ......................... 8

Premajor hours: .............................................. 8

Major Requirements

Courses Within Classics

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent.

Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA (CLA 201/202 and CLA 251/252 contribute to this total).

Classics Courses hours: ......................... 18

Courses Outside of Classics

Complete 15 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA courses (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

Non-Classics Courses hours: ......................... 15

Additional Courses (Elective)

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

Additional Courses hours: ......................... 9

Upper Level Requirement

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

Major hours: .............................................. 42

Explanation of Major Requirements

At the discretion of the student’s advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy, and art history.

The Major requirements in Classics are fully satisfied if a student has:
1. Completed the Premajor Requirement.
2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).
3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.
4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.
5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.
6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation .............................................. 18

Total Minimum Hours Required for Degree ......................... 120

Minor in Classics

The requirements for a classics minor are 18 credit hours, at least six of which must be at the 300 level or above, earned from among the following courses:

1. Greek and Latin courses at any level.
2. Non-language courses taught by the division that are numbered 200 or higher.

Bachelor of Arts with a major in
FRENCH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours ................................................. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ........ 3

College Requirements

I. Foreign Language (completed by Major Requirements)

II. Disciplinary Requirements
   a. Natural Science ................................................. 3
   b. Social Science .................................................. 3
   c. Humanities (completed by Major Requirements) .... 3

III. Laboratory or Field Work .................................... 1

IV. Electives ...................................................... 6

College Requirement hours: ......................... 13

Premajor Requirements

CLA 101 and 102 Elementary Latin or equivalent

OR
CLA 151 and 152 Elementary Greek or equivalent ......................... 8

Premajor hours: .............................................. 8

Major Requirements

Courses Within Classics

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent.

Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA (CLA 201/202 and CLA 251/252 contribute to this total).

Classics Courses hours: ......................... 18

Courses Outside of Classics

Complete 15 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA courses (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

Non-Classics Courses hours: ......................... 15

Additional Courses (Elective)

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

Additional Courses hours: ......................... 9

Upper Level Requirement

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

Major hours: .............................................. 42

Explanation of Major Requirements

At the discretion of the student’s advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy, and art history.

The Major requirements in Classics are fully satisfied if a student has:
1. Completed the Premajor Requirement.
2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).
3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.
4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.
5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.
6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation .............................................. 18

Total Minimum Hours Required for Degree ......................... 120

FRENCH

French and Francophone literature and culture have influenced in crucial ways the formation of European, American, African and Caribbean thought and society. The UK Bachelor of Arts and Bachelor of Science degrees in French situates students at the intersection of these cultures through exploration of their diverse literary, linguistic, social and philosophical traditions. The larger mission of this major is to prepare students to live and work in a global environment in which expert knowledge of other languages and cultures have become indispensable tools for success. For more information, visit the Division of French and Italian website: www.as.uky.edu/french.
Bachelor of Science with a major in FRENCH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an FR prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list......................... 3
II. Intellectual Inquiry in the Humanities
Choose one course from approved list......................... 3
III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list......................... 3
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list......................... 3
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........... 3
VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3
VII. Quantitative Foundations
Choose one course from approved list......................... 3
VIII. Statistical Inferential Reasoning
Choose one course from approved list......................... 3
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list......................... 3
X. Global Dynamics
Choose one course from approved list......................... 3

UK Core Hours................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......... 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)
II. Disciplinary Requirements
   a. Natural Science ............................................. 3
   b. Social Science ............................................. 3
   c. Humanities (completed by Major Requirements)
III. Laboratory or Field Work................................. 1
IV. Electives...................................................... 6

College Requirement hours:......................... 13

Premajor Requirements
FR 204 Introduction to French and Francophone Studies ............................................ 3
FR 214 France Today
or FR 215 Visual Cultures ............................................. 3

Premajor hours:................................. 6

Major Requirements
Fifteen hours from the following courses:
FR 310 French Phonetics ............................................. 3
FR 311 Introduction to French Linguistics .................. 3
FR 324 Studies in French Literature (Subtitle required) ............................................. 3
FR 325 French Cinema (Subtitle required) ............... 3
FR 344 The Literary Text (Subtitle required) ............ 3
FR 350 Francophone Cultures (Subtitle required) ....... 3
plus:
FR 410 French in Performance
or FR 425 Media Studies ............................................. 3
FR 470G Topical Seminar I (Subtitle required) ........... 3
FR 471G Topical Seminar II (Subtitle required) ......... 3
FR 495 Senior Paper ................................................ 1
plus one course 200-level or above from French (including courses in English) or outside French, excluding language courses at the 100 or 200 level ......... 3

Major hours:................................. 28

Other Course Work Required for the Major
From Outside the Major Department
Choose minimum 14 hours outside French at the 300+ level. Courses are generally selected from the following areas: anthropology, architecture, art history, economics, English, German, Greek, geography, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies ............................................. 14

Other Major hours:................................. 14

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ............................................. 14

Total Minimum Hours Required for Degree................................. 120

Minor in French
The minor in French consists of a minimum of 18 hours in French language and literature courses beyond FR 202 and excluding FR 553 and literature courses in translation.

FR 204 Introduction to French and Francophone Studies ............................................. 3
FR 214 France Today
or FR 215 Visual Cultures ............................................. 3

Plus twelve hours at the 300, 400, or 500 level (excluding FR 553 and courses in translation).

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GERMAN STUDIES

The primary aims of the Division of German Studies are to help students develop their German language skills and gain an understanding of the literature and culture of the German-speaking countries. Students majoring in German earn the Bachelor of Arts or Bachelor of Science degree. For more information, visit the Division of German Studies on the Web at: www.uky.edu/AS/German/.

Bachelor of Arts with a major in GERMAN

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

VII. Quantitative Foundations
Choose one course from approved list ............................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

UK Core Hours ............................................. 50

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements

I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements
   a. Natural Science ............................................. 6
   b. Social Science ............................................. 6
   c. Humanities (completed by Major Requirements) 

III. Laboratory or Field Work .................................. 1

IV. Electives ...................................................... 6

College Requirement hours: ......................... 19

Premajor Requirements

GER 202 Intermediate German ..................................... 3
GER 206 Spoken Communication .................................. 3

Premajor hours: ............................................. 6

Major Requirements

Major Core Requirements

GER 307 Intermediate German Composition and Conversation I ............................................. 3
GER 308 Intermediate German Composition and Conversation II ............................................. 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .................................. 3
GER 312 Introduction to German Literature: Popular Forms ............................................. 3
GER 495 German Studies Capstone ................................ 1

Major Core hours: ............................................. 13

Other Course Work Required for the Major

From the Major Department: .................................. 12-15
Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

From Outside the Major Department
Choose 15-18 hours outside German at the 300+ level from the following areas: anthropology, art history, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women’s studies. 200+ level courses used to satisfy College requirements can also be counted here ............................................. 15-18

Other Major hours: ............................................. 30

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ............................................. 19

Total Minimum Hours 
Required for Degree ............................................. 120

Bachelor of Science with a major in GERMAN

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GER prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
Choose one course from approved list ............................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

UK Core Hours ............................................. 42

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

Premajor Requirements

GER 202 Intermediate German ..................................... 3
GER 206 Spoken Communication .................................. 3

Premajor hours: ............................................. 6

Major Requirements

Major Core Requirements

GER 307 Intermediate German Composition and Conversation I ............................................. 3
GER 308 Intermediate German Composition and Conversation II ............................................. 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .................................. 3
GER 312 Introduction to German Literature: Popular Forms ............................................. 3
GER 495 German Studies Capstone ................................ 1

Major Core hours: ............................................. 13
Other Course Work Required for the Major

From the Major Department: .......................... 12-15
Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

From Outside the Major Department
Choose 15-18 hours outside German at the 200+ level from the following areas: anthropology, art history, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women’s studies. 200+ level courses used to satisfy College requirements can also be counted here ........................................... 15-18

Other Major hours: ........................................... 30

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 22

Total Minimum Hours Required for Degree .................. 120

Minor in German
The minor in German Studies consists of a minimum of 18 hours in German language, culture, and literature courses in addition to the proficiency level gained by completion of GER 202. This level may be documented either by completing the relevant sequence of courses or by placement exam.

Required courses include:
GER 206 Spoken Communication ......................... 3 and
Course work at the 300 level or above, including GER 307/308 ........................................... 15

RUSSIAN AND EASTERN STUDIES

The Division of Russian and Eastern Studies offers language courses in Arabic, Chinese, Hebrew, Japanese and Russian, as well as related literature and culture courses.

Russian and Eastern Studies
The Division of Russian and Eastern Studies offers an undergraduate major in Russian Studies. The program is designed to produce an integrated knowledge of Russian language, literature, culture, history, politics, and society. This interdisciplinary major provides the broadest possible base for further study of the former Soviet Union.

Bachelor of Arts with a major in RUSSIAN STUDIES

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in the Humanities
Choose one course from approved list .................................. 3
II. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................................. 3
III. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................................. 3
IV. Compositional and Communication I
CIS/WRD 110 Composition and Communication I ............ 3
V. Compositional and Communication II
CIS/WRD 111 Composition and Communication II ............ 3
VI. Quantitative Foundations
Choose one course from approved list .................................. 3
VII. Statistical Inference and Reasoning
Choose one course from approved list .................................. 3
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................................. 3
X. Global Dynamics
Choose one course from approved list .................................. 3
UK Core Hours .................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.
Graduation Writing Requirement Hours: .................. 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)
II. Disciplinary Requirements
a. Natural Science ............................................. 6
b. Social Science (partially completed by Major Requirement) ............................................. 3
c. Humanities (completed by Major Requirements) ............................................. 3
III. Laboratory or Field Work ............................................. 1
IV. Electives ...................................................... 6
College Requirement hours: .................................. 16

Premajor Requirements
RUS 202 Intermediate Russian ..................................... 4
*RUS 270 Russian Culture 900-1900 or
RUS 271 Russian Culture 1900-Present ....................... 3
Premajor hours: .................................................. 7

Major Core Requirements
HIS 385 History of Russia to 1825 .................................. 3
HIS 386 History of Russia Since 1825 ...................... 3
RUS 380 Nineteenth Century Russian Literature
(in English) ................................................... 3
RUS 381 Russian Literature 1900-Present
(in English) ................................................... 3
RUS 301 Advanced Intermediate Russian I ..................... 3
RUS 302 Advanced Intermediate Russian II .................... 3
RUS 403 Advanced Russian I ..................................... 3
RUS 404 Advanced Russian II ..................................... 3
RUS 499 Russian Studies Capstone Seminar
(Subtitle required) ............................................. 3

Major Core hours: ........................................... 27

Other Course Work Required for the Major
From the Major Program:
Related Electives .................................................. 6
From Outside the Major Program ......................... 9
Choose 9 hours at the 300+ level related to Russian Studies, but not from the major program (RUS).

Other Major hours: ........................................... 15

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 23

Total Minimum Hours Required for Degree ................. 120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in RUSSIAN STUDIES

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with RUS and HIS prefixes are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in the Humanities
Choose one course from approved list .................................. 3
II. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................................. 3
III. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................................. 3
V. Compositional and Communication I
CIS/WRD 110 Composition and Communication I ............ 3
VI. Compositional and Communication II
CIS/WRD 111 Composition and Communication II ............ 3
VII. Quantitative Foundations
Choose one course from approved list .................................. 3
VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours .................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......................... 3

College Requirements
I. Foreign Language (completed by Premajor Requirement)
II. Disciplinary Requirements
a. Natural Science ...................................................... 3
b. Social Science (completed by Major Requirement)

c. Humanities (completed by Major Requirement)

III. Laboratory or Field Work ......................................... 1
IV. Electives ............................................................. 6

College Requirement hours: ........................................... 10

Premajor Requirements
RUS 202 Intermediate Russian ...................................... 4

*RUS 270 Russian Culture 900-1900

or

RUS 271 Russian Culture 1900-Present .......................... 3

Premajor hours: ....................................................... 7

Major Core Requirements
HIS 385 History of Russia to 1825 .................................. 3

HIS 386 History of Russia Since 1825 ............................ 3

RUS 380 Nineteenth Century Russian Literature (in English) .................................................. 3

RUS 381 Russian Literature 1900-Present (in English) ........................................... 3

RUS 301 Advanced Intermediate Russian .......................... 3

RUS 302 Advanced Intermediate Russian II .......................... 3

RUS 403 Advanced Russian I ........................................... 3

RUS 404 Advanced Russian II ........................................... 3

RUS 499 Russian Studies Capstone Seminar (Subtitle required) ........................................... 3

Major Core hours: ...................................................... 27

Other Course Work Required for the Major
From the Major Program:

Related Electives ....................................................... 6


From Outside the Major Program ........................................... 9

Choose 9 hours at the 300+ level related to Russian Studies, but not from the major program (RUS).

Other Major hours: ..................................................... 15

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 26

Total Minimum Hours Required for Degree .......................... 120

*Course used towards completion of a UK Core Requirement.

Minor in Russian

The minor in Russian consists of a minimum of 18 hours beyond second-year proficiency in Russian language (RUS 202) distributed as follows:

1. 6 hours of Russian language courses at the 300 level or above

and

2. 12 hours of additional course work in designated Russian area studies courses, of which at least 9 hours must be in RUS courses.

Note: RUS 395, Independent Work in Russian, may not be used for the minor.

Minor in Folklore and Mythology

The minor in folklore and mythology requires a minimum of 18 hours (plus 6 preminor) to include the following:

1. Minor Prerequisites

CLA 100 Ancient Stories in Modern Films

or

CLA 135 Greek and Roman Mythology .......................... 3

GER 103 Fairy Tales in European Context .......................... 3

2. Minor Requirements

CLA 331 Gender and Sexuality in Antiquity

or

CLA 382 Greek and Roman Religion ...................................... 3

FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ........................................... 3

GER 363 Germanic Mythology ........................................... 3

MCL 270 Introduction to Folklore and Mythology .......................... 3

RUS 370 Russian Folklore (in English) ...................................... 3

3. Minor Electives

Three hours in elective courses in a variety of disciplines taken from a list provided by the advisor.

Students in this minor must satisfy the current A&S Language Requirement, regardless of their college. The minor is not restricted to A&S majors.

PHILOSOPHY

Philosophy encourages critical and systematic inquiry into fundamental questions of right and wrong, truth and falsehood, the meaning of life, and the nature of reality, knowledge, and society. More than any other discipline, philosophy explores the core issues of the Western intellectual tradition. With its emphasis on reason and argumentation, a philosophy major is an excellent preparation for a career in law or business.

Bachelor of Arts with a major in PHILOSOPHY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours .................................................. 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .......................... 3

College Requirements
I. Foreign Language placement exam recommended* .......................... 0-14

II. Disciplinary Requirements
a. Natural Science ...................................................... 6

b. Social Science ...................................................... 6
c. Humanities (completed by Major Requirements)

III. Laboratory or Field Work ......................................... 1

IV. Electives ............................................................. 6

College Requirement hours: ........................................... 19-33

Premajor Requirements
PHI 260 History of Philosophy I: from Greek Beginnings to the Middle Ages ...................................... 3

PHI 270 History of Philosophy II: from the Renaissance to the Present Era ...................................... 3

Premajor hours: ....................................................... 6

Major Requirements

Major Core Requirements
PHI 320 Symbolic Logic I ........................................... 3

PHI 330 Ethics

or

*PHI 335 The Individual and Society ...................................... 3

PHI 350 Metaphysics and Epistemology ...................................... 3

Major Core hours: ..................................................... 9

Other Course Work Required for the Major

From the Major Department:

Choose 15 hours of PHI 500+ level courses with at least one course from each group below ........................................... 15
Bachelor of Science with a major in PHILOSOPHY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a PHI prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

VII. Quantitative Foundations
Choose one course from approved list ............................ 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................ 3

X. Global Dynamics
Choose one course from approved list ............................ 3

UK Core Hours .................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ..... 3

College Requirements

I. Foreign Language (placement exam recommended)* 0-14

II. Disciplinary Requirements
   a. Natural Science ............................................... 3
   b. Social Science .................................................. 3
   c. Humanities (completed by Major Requirements) .................................................. 1

IV. Electives .................................................... 6

College Requirement hours: ........ 13-27

Premajor Requirements
PHI 260 History of Philosophy I: from Greek Beginnings to the Middle Ages .................. 3
PHI 270 History of Philosophy II: from the Renaissance to the Present Era .................. 3

Premajors: .............................................. 6

Major Requirements

Major Core Requirements
PHI 320 Symbolic Logic I ............................................. 3
PHI 330 Ethics
or
*PHI 335 The Individual and Society .................................................. 3
PHI 350 Metaphysics and Epistemology .................................................. 3

Major Core hours: ........................................ 9

Other Course Work Required for the Major
From the Major Department:
Choose 15 hours of PHI 500+ level courses with at least one course from each group below .................. 15

Group A: PHI 503, 504, 506, 509, 513, 514, 515, 516, 517
Group B: PHI 519, 530, 531, 535, 537, 540, 545, 592
Group C: PHI 520, 550, 560, 561, 562, 565, 570, 575

Choose 3 hours from any of the group courses listed above or the following: PHI 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343*, 361, 380, 395 .................. 3

From Outside the Major Department
Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses .................. 18

Other Major hours: ........................................ 36

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation .................. 9

Total Minimum Hours Required for Degree ........................................ 120

*Course used towards completion of a UK Core Requirement.

*French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

Minor in Philosophy

The minor in philosophy requires a minimum of 18 hours of course work to include the following:

a. No more than two 100-level courses
b. At least one course in logic (PHI 120, PHI 320, or PHI 520)
c. At least one course in the history of philosophy (PHI 260, PHI 270, or any course from Group A of the undergraduate curriculum)
d. At least three courses (nine hours) at the 300 level or above, excluding PHI 320 and PHI 399.

PHYSICS AND ASTRONOMY

The Department of Physics and Astronomy helps many students acquire a general understanding and appreciation of physics and astronomy. In the liberal arts tradition, the undergraduate curriculum is complete and flexible enough to allow a graduate with a major in physics to pursue a variety of careers. Many of our graduates continue their studies with graduate work in physics or other areas.

For the student interested in combining the study of physics with studies in other areas, the department can assist in the planning of an individual curriculum which meets both the minimum requirements of the Physics program and the student’s needs and interests. Such planning is of particular value to students intending to pursue careers in engineering, computer science, applied physics, medicine, radiation medicine, biophysics, law, meteorology, oceanography, geophysics, environmental sciences, management, or the teaching of physics and/or physical science at the junior and senior high school levels. By working closely with an advisor, the student with special interests can take advantage of opportunities to take several other courses from one or more departments outside physics, or double major in physics and another field. For a description of suggested curricula, visit our Web site at: www.pa.uky.edu/undergrad/curricula.html.

Bachelor of Arts with a major in PHYSICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for the Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.
College of Arts and Sciences

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours ........................................................................... 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ..... 3

College Requirements
I. Foreign Language (placement exam recommended) ............... 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Premajor Requirements) 
b. Social Science ................................................................. 6
c. Humanities .............................................................. 6

III. Laboratory or Field Work (completed by Premajor Requirement)

IV. Electives ........................................................................... 6

College Requirement Hours: 18-32

Premajor Requirements
*PH 213/212/241/242 General University Physics and Laboratory ------ 10

or with permission of the Director of Undergraduate Studies:
*PH 211/213 General Physics ............................................. (10)
PH 228 Optics, Relativity and Thermal Physics .......... 3
CHE 105 General College Chemistry I ............................ 3
CHE 107 General College Chemistry II .......................... 3
*MA 113 Calculus I ........................................................ 4
MA 114 Calculus II .......................................................... 4

Premajor hours: ......................................................... 27

Major Requirements
Major Core Requirements
PH 306 Theoretical Methods of Physics .......................... 3
PH 335 Data Analysis for Physicists ................................. 1
PH 361 Principles of Modern Physics ............................... 3
Any 3-hour 300-level PHY course ................................. 3
Any 3-hour 400-level PHY course ................................. 3
PH 435 Intermediate Physics Laboratory ...................... 3
MA 213 Calculus III ....................................................... 4

Major Core hours: ...................................................... 20

Other Course Work Required for the Major
From Outside the Major Department
Choose 14-17 hours outside Physics at the 300+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here .......................... 14-17

Other Major hours: ....................................................... 20

Total Minimum Hours Required for Degree .............. 121

*Suggested Curriculum for B.A. in Physics
As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.A. in Physics.

Other Course Work Required for the Major
From Outside the Major Department
Choose 14-17 hours outside Physics at the 300+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here .......................... 14-17

Total Minimum Hours Required for Degree .............. 121

*Suggested Curriculum for B.A. in Physics
As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.A. in Physics.

Freshman Year

First Semester Hours
MA 113 Calculus I ........................................................ 4
CIS/WRD 110 Composition and Communication I .... 3
UK Core ........................................................................... 3

Second Semester
MA 114 Calculus II ....................................................... 4
PH 231 General University Physics ............................... 4
MA 241 General University Physics Laboratory ........ 1
Foreign Language ......................................................... 4

Sophomore Year

First Semester Hours
*MA 213 Calculus III ..................................................... 4
PH 232 General University Chemistry ........................... 4
PH 242 General University Physics Laboratory .......... 1
Foreign Language ......................................................... 4

Second Semester
*MA 214 Calculus IV or
Major Related Electives ............................................. 3

Junior Year

First Semester Hours
CHE 105 General College Chemistry I ......................... 3
PH 335 Data Analysis for Physicists ............................ 1
Foreign Language ......................................................... 3

Second Semester
*MA 522 Matrix Algebra and its Applications or
Major Related Electives ............................................. 3
PH 300+ Major Related Electives .................................. 3

Senior Year

First Semester Hours
PHY 3XX ................................................................. 3

Second Semester
PHY 4XX ................................................................. 3

Electives ................................................................. 3

Bachelor of Science with a major in PHYSICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours .......................................................... 30
**College of Arts and Sciences**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** 3

**College Requirements**

I. **Foreign Language** (placement exam recommended) 0-14

II. **Disciplinary Requirements**

   a. Natural Science (completed by Premajor Requirement) 3

   b. Social Science 3

   c. Humanities 3

III. Laboratory or Field Work (completed by Premajor Requirement) 6

**College Requirement hours:** 12-26

**Premajor Requirements**

*PHY 231/232/241/242 General University Physics and Laboratory .................................................. 10

**Major Requirements**

**Major Core Requirements**

PHY 306 Theoretical Methods of Physics 3

PHY 355 Data Analysis for Physicists 1

PHY 361 Principles of Modern Physics 3

PHY 4046 Mechanics 3

PHY 4166/417G Electricity and Magnetism 6

PHY 520 Introduction to Quantum Mechanics 3

PHY 521 Introduction to Quantum Mechanics II 3

PHY 535W Advanced Physics Laboratory 3

MA 213 Calculus III 4

MA 214 Calculus IV 4

plus two of the following courses:

**AST/PHY 395 Independent Work**

in Astronomy/Physics 3

**PHY 4026 Electronic Instrumentation**

and Measurements 3

**PHY 422 Computational Physics Laboratory** 3

**PHY 435 Intermediate Physics Laboratory** 3

**Major Core hours:** 38

**Other Course Work Required for the Major**

From Outside the Major Department

Choose seven hours outside Physics at the 200 level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200 level courses used to satisfy College requirements can also be counted here 7

**Other Major hours:** 7

**Total Minimum Hours Required for Degree** 120

*Course used towards completion of a UK Core Requirement.

**Suggested Curriculum for B.S. in Physics**

(NOTE: Students who have completed calculus or chemistry should visit our Web site at: www.pa.uky.edu/undergrad/curricula.html for suggested curriculum.)

As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.S. in Physics.

**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 231 General University Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 241 General University Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MA 113 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 228 Optics, Relativity and Thermal Physics</td>
<td>3</td>
</tr>
<tr>
<td>MA 114 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 105 General College Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
</tr>
</tbody>
</table>

**Sophomore Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 232 General University Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 242 General University Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MA 213 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 335 Data Analysis for Physicists</td>
<td>1</td>
</tr>
<tr>
<td>CHE 107 General College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 306 Theoretical Methods of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 361 Principles of Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>MA 214 Calculus IV</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
</tbody>
</table>

**Junior Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4046 Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4166 Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4026 Electronic Instrumentation and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>*MA 322 Matrix Algebra and Its Applications</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4176 Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHY 520 Introduction to Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 435 Intermediate Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 554 Fundamentals of Atomic Physics</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 335 Experimental Physics: Advanced Physics Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Humanities and Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>6</td>
</tr>
</tbody>
</table>

*All courses are subject to change without notice. Students are encouraged to consult with their academic advisor for courses that meet this requirement.

**Astronomy Concentration**

For students with an interest in astronomy, the Department offers the B.S. degree in physics with a concentration in astronomy. Among the major requirements, AST/PHY 591 Astrophysics I – Stars and AST/PHY 592, Astrophysics II – Galaxies and Interstellar Material are strongly recommended as courses within the area of concentration. AST 395, Independent Work in Astronomy, may be substituted for one of the laboratory courses of Requirement Three, subject to the work being done in astronomy and astrophysics. Students are encouraged, though not required, to enroll in AST 191, The Solar System, and AST 192, Stars, Galaxies and the Universe.

**POLITICAL SCIENCE**

The undergraduate program in Political Science allows students to pursue course work in four disciplinary fields:

- American Politics – study of the institutions, behavioral patterns, and public policies that define the American political system;
- Comparative Politics – study of the institutions, policies, and mass behaviors observed in political systems outside the United States, usually explored through comparison within or across regions of the world;
- International Relations – study of the international system as a whole, as well as of the actors (such as nation-states, corporations, and international organizations) who participate in shaping diplomatic, military, and economic outcomes within that system; and
- Theory/Methodology – study of the values, concepts, and analytical methods that shape how people evaluate political life.

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Degree recipients take introductory course work in each of these four areas, then pursue advanced studies in one or more of the fields as determined by their interests and/or career goals.

In addition to conveying information about politics and government – necessary background for pursuing graduate work in political science and related fields – Political Science courses at UK are designed to provide students with a broad liberal arts education. Graduates leave the program having cultivated their analytical skills and having exercised their written and spoken communication skills. Such disciplinary training is particularly helpful in preparing students for careers such as law, policy analysis, governmental administration, diplomatic service, journalism, lobbying, and other sorts of political activity.

Currently the department offers two degrees: a Bachelor of Arts and a Bachelor of Science. Most majors choose to pursue the B.A. The primary difference is that B.A. students must complete a minimum of 39 hours at the 300+ level, a requirement that students can fulfill using courses already needed for the major. Earning the B.S. degree, on the other hand, requires completing a minimum of 60 hours in natural, physical, and computer sciences. Little of that course work fulfills other degree requirements.

Bachelor of Arts with a major in POLITICAL SCIENCE

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ....................... 3

IX. Community, Culture and Citizenship in the USA
PS 101 American Government ................................... 3

X. Global Dynamics
PS 235 World Politics ............................................. 3

UK Core Hours .................................................. 30

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ........... 3

College Requirements

I. Foreign Language (placement exam recommended) 0-14

II. Disciplinary Requirements
   a. Social Science ............................................. 6
   b. Humanities (choose 300+ level courses) .............. 6
   c. Laboratory or Field Work (completed by PS 372) .... 6

College Requirement hours: ....................... 18-32

Premajor/Introductory Requirements

Field One – American Politics
PS 101 American Government ..................................... 3

Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics
or
PS 212 Culture and Politics in the Third World .......... 3

Field Three – International Relations
*PS 235 World Politics ............................................. 3

Field Four – Theory/Methodology
PS 240 Introduction to Political Theory
or
PS 372 Introduction to Political Analysis .................. 3

Premaj or/Intro hours: ................................. 12

Major/Core Requirements

After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

Disciplinary Courses

Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 399 may not be counted toward this requirement. Eligible courses span all four undergraduate fields:

Field One – American Politics
General American Politics Courses

Courses on American Law and Courts

Field Two – Comparative Politics

Field Three – International Relations

Field Four – Theory/Methodology
PS 240 or 372, 441G, 442G, 545, 572

Note: PS 391, 395, 490, and 492 also meet this disciplinary requirement, although the fields will vary depending on the topic.

Other Courses

Choose six hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ................................................................. 6

From Outside the Major Department

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies ....................................... 15

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)

ACC 407
AEC 324, 471, 479, 510, 532
AIS 328, 330
AN 360
ANT – 220, 221, 324, 327, 340, 375, 401, 431G, 433, 435, 532, 534
APP 200
BSC – all 200+ level courses
COM 249, 449, 453
ECO – all 200+ level courses
EDC 326, 346
EDL 401
EPE – all 200+ level courses
FAM 309, 544, 563
FIN 423
FR 350, 550
GEO – 222, 240, 260, all 300+ level courses
GER 264, 317, 319
GWS 200, 350
HIS – all 200+ level courses
HJS 324, 325
HON – all 200+ level courses (except independent work)
HSM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
MGT 340, 341
MTK 310, 340, 450
MRE – all 300+ level courses
PHI – all 200+ level courses
PSY – all 200+ level courses
RUS 270, 271
SOC – all 200+ level courses
SPA 312, 314
ST 500
STA – all 200+ level courses
SW 222, 320, 430, 505, 523, 571
TEL 310, 319, 453, 520
WRD 204

Major/Core hours: ........................................... 39

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation.

Total Minimum Hours Required for Degree ............ 120

*Course used towards completion of a UK Core Requirement.
Bachelor of Science with a major in POLITICAL SCIENCE

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a PS prefix are not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................ 3

IX. Community, Culture and Citizenship in the USA
PS 101 American Government ...................................... 3

X. Global Dynamics
PS 235 World Politics ................................................ 3

UK Core Hours .......................................................... 30

Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ....................... 3

College Requirements

I. Foreign Language (placement exam recommended) ........... 0-14

II. Disciplinary Requirements
   a. Natural Science .................................................... 3
   b. Social Science (completed by Premajor Requirements) .
   c. Humanities ........................................................ 3
   d. Laboratory or Field Work (completed by PS 372) ........ 3
   e. Electives ................................................................ 6

College Requirement hours: ........................................ 12-26

Premajor/Introductory Requirements

Field One – American Politics
PS 101 American Government ................................. 3

Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics or
PS 212 Culture and Politics in the Third World .......... 3

Field Three – International Relations
*PS 235 World Politics .............................................. 3

Field Four – Theory/Methodology
PS 240 Introduction to Political Theory or
PS 372 Introduction to Political Analysis .................. 3

Premajor/Intro hours: .................................................. 12

Major/Core Requirements

After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

Disciplinary Courses
Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 395 may not be counted toward this requirement. Eligible courses span all four undergraduate fields:

Field One – American Politics
General American Politics Courses

Courses on American Law and Courts

Field Two – Comparative Politics

Field Three – International Relations

Field Four – Theory/Methodology
PS 240 or 372, 441G, 442G, 545, 572

Note: PS 391, 395, 490, and 492 also meet this disciplin-ary requirement, although the fields will vary depending on the topic.

Other Courses
Choose six hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ........................................ 6

From Outside the Major Department
Choose 15 hours outside political science courses from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies ............................................. 15

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)
ACC 407
AEC 324, 471, 479, 510, 532
AIS 328, 330
ANT 300
APP 200
BSC – all 200+ level courses
ECON 249, 449, 453
EOC – all 200+ level courses
EDC 326, 346

EDL 401
EPE – all 200+ level courses
FAM 309, 544, 563
FIN 423
FR 350, 550
GEO – 222, 240, 260, all 300+ level courses
GER 264, 317, 319
GWS 200, 350
HIS – all 200+ level courses
IHS 324, 325
HON – all 200+ level courses (except independent work)
HSM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
MGT 340, 341
MKT 310, 340, 450
NRE – all 300+ level courses
PHI – all 200+ level courses
PSY – all 200+ level courses
RUS 270, 271
SOC – all 200+ level courses
SPA 312, 314
ST 500
STA – all 200+ level courses
SW 222, 320, 450, 505, 523, 571
TREC 310, 319, 453, 520
WRD 204

Major/Core hours: .................................................... 39

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation.

Total Minimum Hours Required for Degree .................. 120

*Course used towards completion of a UK Core Requirement.

Minor in Political Science

The minor in political science requires a prerequisite course (PS 101) and 18 hours of course work at the 200 level or above to be distributed as follows:

1. Six hours of 200 level courses, three hours of which must be either PS 210, PS 212, or PS 235.
2. Four other courses, at least three of which must be at the 400 or 500 level.

PSYCHOLOGY

The undergraduate curriculum in psychology includes courses in the major content areas of psychology. The program provides course work emphasizing the fundamental concepts and techniques of this basic behavioral science. In addition to course work, the program provides for experience in conducting and analyzing laboratory and field research.

Bachelor of Arts with a major in PSYCHOLOGY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the
major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their academic advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ....................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ....................... 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology or approved equivalent transfer course .................. 3-4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........ 3

VII. Quantitative Foundations
Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning
PSY 215 Experimental Psychology ....................... 4
PSY 216 Applications of Statistics in Psychology ............ 4

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ....................... 3

X. Global Dynamics
Choose one course from approved list ....................... 3

UK Core Hours .................................................. 35-36

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (placement exam recommended) .............................................. 0-14
II. Disciplinary Requirements
a. Natural Science (partially completed by PSY 312; and to complete this requirement, consider either PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone Requirement) ................. 3
b. Social Science (completed by Premajor and Major Requirements) ................. 3
c. Humanities .............................................................. 6
III. Laboratory or Field Work (completed by Premajor Requirement) ................. 6
IV. Electives .............................................................. 6

College Requirement hours: .................................. 15-29

Premajor Requirements
*PSY 100 Introduction to Psychology ....................... 4
or
*PSY 11— ............................................................... 3
PSY 195 Orientation to Psychology ....................... 1
*PSY 215 Experimental Psychology ....................... 4

Premajor hours: .................................................. 8-9

Major Requirements
Major Core Requirements
*PSY 216 Applications of Statistics in Psychology ............ 4
plus four of the following five courses:
PSY 223 Developmental Psychology ....................... 3
PSY 311 Learning and Cognition ....................... 3
PSY 312 Brain and Behavior ....................... 3
PSY 313 Personality and Individual Differences .................. 3
PSY 314 Social Psychology and Cultural Processes .................. 3

Other Course Work Required for the Major
From the Major Department:
AdvancedLecture/Lab ....................... 4
Choose from: PSY 427, 430, 440, 450, *456, 460, 552

Capstone Option ....................... 3-8
Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, *565, 566

Electives
Choose one course from approved list ............................. 3

From Outside the Major Department
Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here .................................................. 14

Other Major hours: .................................................. 26

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ....................... 5

Total Minimum Hours Required for Degree ............... 120

*Course used towards completion of a UK Core Requirement.

**This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

Bachelor of Science with a major in PSYCHOLOGY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: with the exception of PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565, courses with a PSY prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ....................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ....................... 3

III. Intellectual Inquiry in the Social Sciences
Choose from: PSY 427, 430, 440, 450, *456, 460, 552
Capstone Option ....................... 3-8
Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, *565, 566

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ....................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........ 3

VII. Quantitative Foundations
Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning
PSY 215 Experimental Psychology ....................... 4
PSY 216 Applications of Statistics in Psychology ............ 4

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ....................... 3

X. Global Dynamics
Choose one course from approved list ....................... 3

UK Core Hours .................................................. 35-36

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

Premajor Requirements
*PSY 216 Applications of Statistics in Psychology ............ 4
plus four of the following five courses:
PSY 223 Developmental Psychology ....................... 3
PSY 311 Learning and Cognition ....................... 3
PSY 312 Brain and Behavior ....................... 3
PSY 313 Personality and Individual Differences .................. 3
PSY 314 Social Psychology and Cultural Processes .................. 3

Major Requirements
Major Core Requirements
*PSY 100 Introduction to Psychology or approved equivalent transfer course ............... 3-4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ....................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........ 3

VII. Quantitative Foundations
Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning
PSY 215 Experimental Psychology ....................... 4
PSY 216 Applications of Statistics in Psychology ............ 4

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ....................... 3

X. Global Dynamics
Choose one course from approved list ....................... 3

UK Core Hours .................................................. 35-36

Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (placement exam recommended) .............................................. 0-14
II. Disciplinary Requirements
a. Natural Science (completed by Major Requirement) .............................................. 3
b. Social Science (completed by Premajor Requirement) .............................................. 3
c. Humanities .............................................................. 3
III. Laboratory or Field Work (completed by Premajor Requirement) ................. 6
IV. Electives .............................................................. 6

College Requirement hours: .................................. 9-23

Premajor Requirements
*PSY 100 Introduction to Psychology ............ 4

Major Requirements
Major Core Requirements
*PSY 216 Applications of Statistics in Psychology ............ 4
plus four of the following five courses:
PSY 223 Developmental Psychology ....................... 3
PSY 311 Learning and Cognition ....................... 3
PSY 312 Brain and Behavior ....................... 3
PSY 313 Personality and Individual Differences .................. 3
PSY 314 Social Psychology and Cultural Processes .................. 3

Major Core hours: .................................................. 16

Other Course Work Required for the Major
From the Major Department:
AdvancedLecture/Lab ....................... 4
Choose from: PSY 427, 430, 440, 450, *456, 460, 552

Capstone Option ....................... 3-8
Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, *565, 566

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**College of Arts and Sciences**

Electives ................................................................. 0-5
Choose from: PSY 223, 302, 331, 395, 399, 459, 533, 558

**From Outside the Major Department**

Choose 14 hours outside Psychology at the 300+ level.

200+ level courses used to satisfy College requirements can also be counted here ........................................ 14

Other Major hours: ............................................. 26

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ................................. 5

Total Minimum Hours Required for Degree ..................... 120

*Course used towards completion of a UK Core Requirement.

*This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

**Minor in Psychology**

The minor in psychology requires a minimum of 19-20 hours to include the following:

1. **Prerequisite courses**
   - PSY 100 Introduction to Psychology or equivalent .................................................. 3-4
   - PSY 215 Experimental Psychology ............................................. 4

2. **All of the following courses:**
   - PSY 311 Learning and Cognition ............................................. 3
   - PSY 312 Brain and Behavior ............................................. 3
   - PSY 313 Personality and Individual Differences ...................................... 3
   - PSY 314 Social Psychology and Cultural Processes ............................................. 3

**B.A. or B.S. with a major in RUSSIAN STUDIES**

The requirements for the B.A. and B.S. with a major in Russian Studies are listed under in this A&S section under Modern and Classical Languages, Literatures and Cultures.

**SOCIOLOGY**

Sociology emphasizes the study of human behavior and basic social processes. The discipline provides excellent preparation for careers in a variety of occupations and professions including planning and community development, law, public relations and advertising, personnel administration, private business and government administration, health and human services, family relations, criminal justice fields, and others.

Students may major or minor in sociology. The department offers a Bachelor of Arts and a Bachelor of Science through the College of Arts and Sciences. Students may also complete a second major or minor in sociology even though they are enrolled in other colleges. In addition, students seeking certification in social studies education at the secondary level through the College of Education may also emphasize sociology in their programs.

Courses offered by the department cover a wide range of topics and issues. Areas such as social inequalities, work, organizations, economy, globalization, family, community, environment, crime, law and deviance comprise a large part of the curriculum. Students may also pursue special readings courses and experiential education placements or internships through the department.

**Bachelor of Arts with a major in SOCIOLOGY**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 113.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete all UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   - Choose one course from approved list .................................. 3

II. Intellectual Inquiry in the Humanities
   - Choose one course from approved list .................................. 3

III. Intellectual Inquiry in the Social Sciences
   - Choose one course from approved list .................................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   - Choose one course from approved list .................................. 3

V. Composition and Communication I
   - CIS/WRD 110 Composition and Communication I ............. 3

VI. Composition and Communication II
   - CIS/WRD 111 Composition and Communication II ............. 3

VII. Quantitative Foundations
   - Choose one course from approved list .................................. 3

VIII. Statistical Inferential Reasoning
   - Choose one course from approved list .................................. 3

IX. Community, Culture and Citizenship in the USA
   - Choose one course from approved list .................................. 3

X. Global Dynamics
   - Choose one course from approved list .................................. 3

**UK Core Hours** ......................................................... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** 3

**College Requirements**

I. Foreign Language (placement exam recommended) 0-14

II. Disciplinary Requirements
   a. Natural Science .................................................. 6
   b. Social Science (completed by Premajor and Major Requirements) .................................................. 6
   c. Humanities .................................................. 6

III. Laboratory or Field Work (completed by Major Requirement)

IV. Electives ................................................................. 6

**College Requirement hours:** 18-32

**Premajors**

*SOC 101 Introduction to Sociology or

CLD 102 The Dynamics of Rural Social Life ................. 3

**Major Core Requirements**

SOC 302 Sociological Research Methods .......... 3

or

PSY 215 Experimental Psychology ............. 4

SOC 303 Quantitative Sociological Analysis ............. 3

or

PSY 216 Applications of Statistics in Psychology ............. 4

SOC 304 Classical Sociological Theory ............. 3

SOC 305 Contemporary Sociological Theory ............. 3

Major Core hours: .................................................. 12-14

**Other Course Work Required for the Major**

From the Major Department:

Choose 15 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level ................. 15

From Outside the Major Department

Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. These courses must be chosen from the list that follows, or approved by a Sociology Undergraduate Advisor ............................. 15

**Recommended Courses**

A-H ........................................ 1-15

I-II ........................................ 6-14

A-H ........................................ 12-14

**Pre-major Core Courses**

AAD 310, 340, 350, 399, 402, 499

AAS ........................................ all 200+ courses

AC ........................................ all 200+ courses

AEC ........................................ 201, 302, 303, 304, 305, 309, 316, 320, 324, 341, 445G, 471, 479, 483, 510, 532

AED ........................................ all 200+ courses

AEN 463G

AIS 328, 330, 331, 335

ANT ........................................ all 200+ courses

APP ........................................ all 200+ courses

ARC ........................................ 222, 223, 314, 315, 324, 325, 332, 333, 461, 511, 512, 513, 514, 515

BIO ........................................ 325, 375

BSC ........................................ 321, 527, 529, 546

CLA ........................................ 210, 220, 230, 301, 302, 312, 313, 390, 450G, 509

CLD ........................................ all 200+ courses

COM ........................................ 249, 252, 281, 325, 350, 351, 365, 381, 449, 452, 453, 454, 462, 525, 571, 581

CPC 501

ECO ........................................ all 200+ courses

EDL ........................................ 401

EDP ........................................ 202, 518, 522, 548, 557, 580

EDS ........................................ 516, 547

EDU ........................................ 305


ENS ........................................ all 200+ courses

EPE ........................................ 301, 317, 554, 555, 557, 570

FAM ........................................ 252, 253, 254, 255, 258, 350, 357, 360, 390, 401, 402, 475, 502, 509, 544, 553, 554, 563, 585

FCS ........................................ all 200+ courses


GEN ........................................ 200, 300, 301, 501

GEO ........................................ all 200+ courses


GRN ........................................ 585

GWS ........................................ all 200+ courses

HES ........................................ all 300+ courses

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The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
    Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
     Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list ............................. 3

V. Composition and Communication I
    CIS-WRD 110 Composition and Communication I ........................ 3

VI. Composition and Communication II
    CIS-WRD 111 Composition and Communication II ........................ 3

VII. Quantitative Foundations
    Choose one course from approved list ............................. 3

VIII. Statistical Inferential Reasoning
     Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
     Choose one course from approved list ............................. 3

X. Global Dynamics
     Choose one course from approved list ............................. 3

UK Core Hours: .................................................... 5

Electives
Choose electives to lead to the minimum total of 200 hours required for graduation .................................................... 5

Total Minimum Hours Required for Degree ................. 120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in SOCIOLGY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a SOC prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 113-114.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a)
### Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 17 hours of course work is required to complete the minor, as follows:

**Track 1**
- STA 291 Statistical Methods ........................................... 3
- STA 295 The Art and Practice of Probability .................... 3
- STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling ........................................ 4
- STA 422G Basic Statistical Theory II ............................... 4

**Track 2**
- STA 320 Introductory Probability ................................. 3
- STA 321 Basic Statistical Theory I ................................. 3
- STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling ........................................ 4
- STA 422G Basic Statistical Theory II ............................... 4
- plus one relevant course from the student’s area (3 credit hours) to be approved by the Department of Statistics.

### African American Studies

The minor in African American Studies provides students with an opportunity to examine the contributions of established academic disciplines towards the understanding of African peoples, particularly those peoples in the New World. It also provides a framework for research and analysis of issues which focus on African American experiences in artistic, literary, historical, and sociopolitical environments. The minor requires 21 hours of study as follows:

1. AAS 200 Introduction to African-American Studies
2. AAS 400 Special Topics in African-American Studies
3. AAS 461 Independent Reading and Research in African-American Studies
4. At least six hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:
   - ENG 264 Major Black Writers
   - FR 504 Topics in French Literature and Culture (if appropriate)
   - HIS 254 History of Sub-Saharan Africa
   - HIS 260 African American History to 1865
   - HIS 261 African American History 1865-Present
   - HIS 360 Race and Sports in America
   - HIS 585 The Age of Jim Crow, 1880-1930
   - MUS 300 History of Jazz
4. At least six hours in the social sciences (as approved by the African American Studies Committee). Among these are:
   - AAS 432 Race and Ethnic Relations
   - ANT 431G Cultures and Societies of Sub-Saharan Africa
   - EDC 550 Education in a Culturally Diverse Society
   - GEO 336 Geography of Sub-Saharan Africa
   - PS 417G Survey of Sub-Saharan Politics
   - PS 461G Civil Liberties
   - PS 471 Race, Ethnicity and Politics
   - SOC 235 Inequalities in Society

**NOTE:** Courses in English and history are strongly recommended.

For further information, contact Dr. Sonja Feist-Price, Professor and Director, 102 Breckinridge Hall, (859) 257-3593.

### American Studies

American studies draws together diverse disciplines to examine the historical and contemporary forms and issues of our national life. The program in American Studies takes as its field of study any peoples, cultural expressions and social institutions, however or whenever identified as “American.” Program curricula link faculty, courses, and students across a range of humanities, arts, and social science departments.

The minor centers on two interdisciplinary seminars on selected topics in American studies. Students electing the minor are also encouraged to take a range of elective courses to complement their major. The minor in American Studies prepares students for further graduate or professional training, or for work in education, government, or business.

The minor requires 18 hours of study as follows:

1. AC 301 Topics in American Culture
2. AC 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or six hours) may be taken in any one discipline:
   - **Art History:** A-H 342
   - **Anthropology:** ANT 221, ANT 342, ANT 470G, ANT 527, ANT 534
   - **English:** ENG 310, ENG 480G
   - **Geography:** GEO 320, GEO 321, GEO 322, GEO 490G
   - **History:** HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 581, HIS 582, HIS 584, HIS 585, HIS 586, HIS 596
   - **Linguistics:** LIN 317
   - **Music:** MUS 206, MUS 222, MUS 300, MUS 301, MUS 506
   - **Philosophy:** PHI 514
   - **Sociology:** SOC 340, SOC 534

For further information, contact Associate Professor Joanne Melish, 1727 Patterson Office Tower, (859) 257-1014.

### Appalachian Studies

This minor offers the student with serious interests in Appalachian regional studies an opportunity to pursue a minor concentration to complement a major in one of the university’s professional or liberal arts programs. This interdisciplinary program enables students to comprehend more fully the history, social structure, and culture of the region – its people, its problems, and its future.

The minor in Appalachian Studies requires 18 hours of course work to include the following:

1. APP 200 Introduction to Appalachian Studies
2. Choose fifteen hours of Appalachian Studies courses. These courses must be chosen from the list below, or approved by the Director of Appalachian Studies:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>APP 200</td>
<td>Introduction to Appalachian Studies</td>
</tr>
</tbody>
</table>

### Statistics

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics.

The department does not offer an undergraduate degree, but students may elect to include statistics as part of a topical major or to minor in statistics. The program in mathematical sciences also includes several statistics courses. The Master of Science and the Doctor of Philosophy degrees are offered.

Research is being actively pursued in statistical theory and methods, both parametric and nonparametric, linear models, inference, stochastic processes, applied probability, and biostatistics.

Consultation on statistical analysis and interpretation of data is provided to research workers on and off the campus. Particular attention is paid to the consulting needs of graduate students.

| NSF 516    |
| NRE 301, 320, 330, 381, 555 |
| NUR 510, 512, 514 |
| OR 524, 525 |
| PHI – all 200+ courses |
| PHR 222, 520 |
| PS – all 200+ courses |
| PSY – all 200+ courses |
| RC 515, 516, 520, 530, 540, 547 |
| RUS 270, 271, 370, 380, 381, 400G, 499 |
| SPA 312, 314, 320, 322, 324, 361, 424, 432, 434, 438G, 444, 454, 464, 474, 553 |
| ST 500 |
| STA – all 200+ courses |
| SW 222, 300, 320, 322, 354, 400, 401, 421, 430, 444, 445, 450, 470, 505, 510, 514, 515, 516, 523, 571, 580, 595 |
| TEL 201, 300, 310, 319, 355, 453, 482, 520, 525, 555 |
| UK 301 |
| Other Major hours: ........................................... 30 |
| Electives |
| Choose electives to lead to the minimum total of 120 hours required for graduation ........................................ 9 |
| Total Minimum Hours Required for Degree ................. 120 |

*Course used towards completion of a UK Core Requirement.*
Cognitive Science

The undergraduate minor in Cognitive Science is aimed to provide undergraduates with an introduction to cognitive science as a theory of the mind as an intelligent (information-processing) system. Our objectives are to ensure that each student (a) be able to articulate, at least in broad terms, some of the assumptions that have been thought to unify the various subfields within the domain of cognitive science; (b) explore more than one discipline’s approach to matters pertaining to cognitive science; and (c) explore in some detail at least one of the five main disciplines contributing to cognitive science (biology, computer science, linguistics, philosophy, and psychology). CGS 500 (Cognitive Science in Theory and Practice) will be run with the aim in mind of getting students to satisfy (a); and distribution requirements aim to put students in a position to satisfy (b) and (c).

To receive an undergraduate minor in Cognitive Science, the student must successfully complete 18 credit hours to be distributed as follows:

1. CGS 500 Cognitive Science in Theory and Practice .......................... 3
2. Fifteen credits from among the following:

   *ANT 332 Human Evolution
   BIO 375 Behavioral Ecology and Sociobiology
   BIO 535 Comparative Neurobiology and Behavior
   BIO 550 Comparative Physiology
   BIO 536 Communication Biology
   COM 350 Language and Communication
   CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
   CS 463G Introduction to Artificial Intelligence
   *CS 521 Computational Sciences
   CS 536 Situated Computing
   CS 575 Models of Computation (may not be combined with PHI 520)
   LIN 210 History of the English Language
   LIN 211 Introduction to Linguistics I
   LIN 212 Introduction to Linguistics II
   LIN 319 Historical Linguistics
   LIN 509 Semantics and Pragmatics
   LIN 512 Analysis of English Syntax
   *LIN 513 Teaching English as a Second Language
   LIN 515 Phonological Analysis
   LIN 516 Grammatical Typology
   LIN 517 Special Topics in Linguistics (Subtitled required)
   PHI 320 Symbolic Logic I
   PHI 361 Biology and Society
   PHI 520 Symbolic Logic II (may not be combined with CS 375, 575, or 675)
   PHI 560 Philosophy of Scientific Method
   PHI 565 Philosophy of Language
   PHI 575 Philosophy of Mind
   *PSY 223 Developmental Psychology
   PSY 311 Learning and Cognition
   PSY 312 Brain and Behavior
   PSY 427 Cognitive Processes
   PSY 456 Behavioral Neuroscience
   PSY 552 Animal Behavior
   PSY 562 Advanced Topics in Cognitive Psychology (Subtitled required)
   PSY 564 Advanced Topics in Learning (Subtitled required)
   PSY 565 Advanced Topics in Neuroscience (Subtitled required)
   *PSY 566 Advanced Topics in Social Psychology (Subtitled required)

   Of the fifteen credit hours of courses from this list, (1) at least six credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than six credit hours from any single discipline will count towards satisfaction of the requirement.

   *Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.

   For more information, visit the Cognitive Science Web site at: http://webas.uky.edu/cogsci/; or contact Professor David Westneat, 101 Morgan Biological Sciences Building, Department of Biology, (859) 323-9499, biodfw@uky.edu.

Environmental Studies

Environmental considerations permeate almost every facet of modern life, and concern for “the environment” is practically universal as we approach the twenty-first century. The minor in Environmental Studies is designed to provide students with the opportunity to become conversant in a range of environmental topics, whether as private citizens in their daily lives or as professional members of corporate, government, legal, medical, and educational circles.

The minor draws on topics and perspectives from the natural and physical sciences, the social sciences, and the humanities to underscore the interdisciplinary nature of environmental issues and problems. Students taking the minor are encouraged to integrate the program with their major study focus in order to gain a competitive advantage in grappling with environmental topics.

The minor in Environmental Studies requires 18 hours of course work including the following:

1. ENS 200 Introduction to Environmental Studies ............................................. 3
2. Six hours chosen from the following list of sociocultural perspectives:
   ANT 375 Ecology and Social Practice .................................................. 3
   GEO 235 Environmental Management and Policy ...................................... 3
   GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3
   PS 391 Special Topics in Political Science (Subtitled required) ....................... 3
   ENS 300 Special Topics (Subtitled required) ............................................... 3
   ENS 395 Independent Work ............................................................... 3
3. Six hours chosen from the following list of science and technology perspectives:
   FOR 205 Forest and Wildland Soils and Landscapes .................................. 4
   FOR 340 Forest Ecology ........................................................................... 4
   FOR 350 Silviculture ................................................................................. 4
   GEO 230 Weather and Climate .................................................................. 3
   GLY 341 Landforms .................................................................................. 3
   GLY 385 Hydrogeology ............................................................................. 3
   BIO 325 Ecology ....................................................................................... 4
   ENS 300 Special Topics (Subtitled required) ............................................... 3
   ENS 395 Independent Work ............................................................... 3
4. ENS 400 Senior Seminar (Subtitled required) ............................................ 3
5. *For other acceptable courses, consult the Director of the Environmental Studies Program.

At least six of the twelve elective hours must be at the 300-level or above.

Elective courses must be drawn from outside the student’s major.

Alternative elective courses may be approved by the Environmental Studies Program Director.

For further information, contact Professor Ernest J. Yanarella, 1659 Patterson Office Tower, (859) 257-2989, e-mail: ejyana@email.uky.edu.

Indian Culture

This minor is designed to allow students to develop a more profound understanding of Indian culture. The curriculum is strongly interdisciplinary, encompassing courses in linguistics, anthropology, English, geography, mathematics, philosophy, political science, and sociology. Students completing the minor will possess: (1) an ability to read Sanskrit (vital for comprehending Indian culture); (2) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (3) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

The minor in Indian Culture requires 18 hours of course work, as follows:

1. CGS 500 Cognitive Science in Theory and Practice .......................... 3
2. Sixteen credits from among the following:

   *ANT 332 Human Evolution
   BIO 375 Behavioral Ecology and Sociobiology
   BBO 535 Comparative Neurobiology and Behavior
   BBO 550 Comparative Physiology
   BBO 536 Communication Biology
   COM 350 Language and Communication
   CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
   CS 463G Introduction to Artificial Intelligence
   *CS 521 Computational Sciences
   CS 536 Situated Computing

   Of the sixteen credit hours of courses from this list, (1) at least six credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than six credit hours from any single discipline will count towards satisfaction of the requirement.

   *Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.

   For more information, visit the Cognitive Science Web site at: http://webas.uky.edu/cogsci/; or contact Professor David Westneat, 101 Morgan Biological Sciences Building, Department of Biology, (859) 323-9499, biodfw@uky.edu.

Environmental Studies

Environmental considerations permeate almost every facet of modern life, and concern for “the environment” is practically universal as we approach the twenty-first century. The minor in Environmental Studies is designed to provide students with the opportunity to become conversant in a range of environmental topics, whether as private citizens in their daily lives or as professional members of corporate, government, legal, medical, and educational circles.

The minor draws on topics and perspectives from the natural and physical sciences, the social sciences, and the humanities to underscore the interdisciplinary nature of environmental issues and problems. Students taking the minor are encouraged to integrate the program with their major study focus in order to gain a competitive advantage in grappling with environmental topics.

The minor in Environmental Studies requires 18 hours of course work including the following:

1. ENS 200 Introduction to Environmental Studies ............................................. 3
2. Six hours chosen from the following list of sociocultural perspectives:
   ANT 375 Ecology and Social Practice .................................................. 3
   GEO 235 Environmental Management and Policy ...................................... 3
   GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3
   PS 391 Special Topics in Political Science (Subtitled required) ....................... 3
   ENS 300 Special Topics (Subtitled required) ............................................... 3
   ENS 395 Independent Work ............................................................... 3
3. Six hours chosen from the following list of science and technology perspectives:
   FOR 205 Forest and Wildland Soils and Landscapes .................................. 4
   FOR 340 Forest Ecology ........................................................................... 4
   FOR 350 Silviculture ................................................................................. 4
   GEO 230 Weather and Climate .................................................................. 3
   GLY 341 Landforms .................................................................................. 3
   GLY 385 Hydrogeology ............................................................................. 3
   BIO 325 Ecology ....................................................................................... 4
   ENS 300 Special Topics (Subtitled required) ............................................... 3
   ENS 395 Independent Work ............................................................... 3
4. ENS 400 Senior Seminar (Subtitled required) ............................................ 3
5. *For other acceptable courses, consult the Director of the Environmental Studies Program.

At least six of the twelve elective hours must be at the 300-level or above.

Elective courses must be drawn from outside the student’s major.

Alternative elective courses may be approved by the Environmental Studies Program Director.

For further information, contact Professor Ernest J. Yanarella, 1659 Patterson Office Tower, (859) 257-2989, e-mail: ejyana@email.uky.edu.
The interdisciplinary minor in Islamic Studies provides students with the opportunity to become acquainted with the culture, language, literature, religion, history, and philosophy of the Jewish people from antiquity to the present. The minor in Jewish Studies requires 18 hours of course work as follows:

1. **Required Courses**
   - HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages
   - HIS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present

2. **Elective Courses**
   - HIS 101 Elementary Hebrew
   - HIS 102 Elementary Hebrew
   - HIS 201 Intermediate Hebrew
   - HIS 202 Intermediate Hebrew
   - HIS 326 The Jewish Experience in America
   - HIS 327 Women in Judaism
   - HIS 495 Independent Study in Judaic Studies
   - PHI 504 Islamic and Jewish Philosophy
   - PHI 505 Theology and the Classical Tradition
   - CLA 390 Backgrounds to and Early History of Christianity to 150 CE
   - HIS 330 A History of Western Religious Thought (I)
   - HIS 332 The Holocaust
   - ENG 270 The Old Testament as Literature
   - HIS 425 Topics in Judaic Studies
   - And other courses with significant Judaic studies content, as approved by the Director, to a maximum of six credit hours.

For further information, contact Professor Jeremy D. Popkin, Director of Jewish Studies Program, 1725 Patterson Office Tower, (859) 257-1415; or e-mail: popkin@uky.edu.
The College of Business and Economics was established at the University of Kentucky in 1925 as the College of Commerce. The name was changed to College of Business and Economics in 1966. The name was changed again in 1996 to the Gatton College of Business and Economics.

The College of Business and Economics: Business and Economics for students with less

Undergraduate Programs in Business and Economics

The University of Kentucky grants the following degrees in the Gatton College of Business and Economics:

- Bachelor of Business Administration
- Bachelor of Science in Accounting
- Bachelor of Science in Business and Economics

Students pursuing the Bachelor of Business Administration may select from these majors: Analytics, Finance, Management, and Marketing.

ADMISSION POLICY

Admission to an Undergraduate Program in Business and Economics does not guarantee upper-division admission to one of the degree programs in the Gatton College of Business and Economics. In general, admission depends upon the qualifications and preparation of the applicants, as well as the availability of the resources for maintaining quality instruction.

Upper-division admission into a degree program is necessary in order to be granted a baccalaureate degree from the Gatton College of Business and Economics. Students who have attained a 3.0 or higher cumulative grade-point average overall and in the premajor component required of all students in the Gatton College of Business and Economics and have completed 60 semester hours of college-level credit will be assured admission.

Annually the Gatton College of Business and Economics will review the admission requirements and determine the cumulative grade-point average (Annual Admission GPA), if any, that would be acceptable below the 3.0 standard. The Annual Admission GPA (both overall and in the premajor component) will be no lower than 2.5 (see “Appeal Process” below for special circumstances). This GPA will be made available in the Undergraduate Resource Center of the Gatton College of Business and Economics by October 15 of each year. This GPA will be effective the following May 1 for any student applying for upper-division admission to the Gatton College of Business and Economics, regardless of the time of his/her enrollment in the University.

To be considered for upper-division admission to any of the undergraduate degree programs offered by the Gatton College of Business and Economics, an applicant must fulfill the following requirements:

1. Enrollment in the University of Kentucky. (Students are considered for acceptance by the college only after acceptance by the University of Kentucky.);
2. Completion of 60 semester hours with a minimum cumulative grade-point average of 3.0 or the current Annual Admission GPA, whichever is lower;
3. Completion of the premajor component required of all students within the Gatton College of Business and Economics with a minimum grade-point average of 3.0 or the minimum current Annual Admission GPA, whichever is lower. In addition, students must complete the Microsoft Office Certification requirements. B&E 102, B&E 103, and B&E 104 are fulfilled upon passing the Microsoft Certified Application Specialist Exams in Word, PowerPoint, and Excel. For more information about testing at the Gatton College, visit: http://gatton.uky.edu/Undergraduates/.

Applications from students outside the University of Kentucky seeking admission to the Gatton College of Business and Economics, whether for upper-division or lower-division status, must be received by the University Admissions Office no later than April 15 (first summer session); May 15 (second summer session); August 1 (fall semester); and December 1 (spring semester).

Students enrolled in other UK colleges on campus should apply for admission prior to the priority registration period. (The appropriate deadlines are listed in the University calendar for approved times to change major).

Lower-division students enrolled in the Gatton College of Business and Economics should apply for upper-division admission to the college during the semester they are completing the premajor course work. The application for upper-division admission should be made before the priority registration period for the upcoming semester.

Lower-division students in the college who are missing no more than two premajor courses will be permitted to complete these courses simultaneously with enrollment in restricted course work if they are otherwise eligible. Eligibility is determined by attainment of junior standing and the minimum cumulative and premajor grade-point standings. This privilege will be granted for one semester only.

Students not admitted to an upper-division program in the Gatton College of Business and Economics should be aware that others may be
given preference for enrollment in the restricted upper-division courses offered by the Gatton College of Business and Economics.

Enrollment in restricted Business and Economics courses numbered 300 or above will be limited to:

1. Upper-division Business and Economics students;
2. Lower-division Business and Economics students who are missing no more than two premajor courses and are otherwise eligible for upper-division status. (This privilege will be granted for one semester only);
3. Non-Business and Economics students who are registered for specific programs requiring Business and Economics courses;
4. Other students or categories of students with specific permission of the department offering the course.

In the event of capacity limitations, enrollment preference would be made in the above order.

An applicant from a non-English speaking country is required to take the Test of English as a Foreign Language (TOEFL) and must have a minimum score of 550 in order to be considered for admission. (An equivalent score from another English proficiency test similar to TOEFL may be allowed upon request.)

Appeal Process

Students with a GPA below the Annual Admission GPA and who have completed all premajor requirements may appeal for admission into the Gatton College of Business and Economics. If the Appeals Committee feels that there is persuasive evidence that personal, academic or professional circumstances have affected a student’s grades and that the student shows promise for successful completion of a degree in the Gatton College of Business and Economics, acceptance may be granted. Materials and information necessary for the appeals process are available in the Undergraduate Resource Center. The deadline for submission of the appeals is generally 45 days prior to the beginning of the semester; however, appeals materials are not accepted for the first summer session.

Dean’s List

Students who have a term grade-point average of 3.6 or greater will appear on the Dean’s List.

Probation and Academic Suspension

The following rules apply to students in the Gatton College of Business and Economics.

1. No student with a cumulative GPA of less than 2.0 will be enrolled in the Gatton College of Business and Economics. Any student who fails to maintain a cumulative GPA of 2.0 will be suspended from the Gatton College of Business and Economics and will not be readmitted until this GPA is 2.0 or greater. No probationary notice will be given.
2. Any student enrolled in the Gatton College of Business and Economics who achieves a GPA of less than 2.0 in any semester will be placed on probation.
3. Any student on probation who fails to achieve a 2.0 semester GPA will be dropped from the Gatton College of Business and Economics and will not be readmitted until he or she has obtained a semester GPA of 2.0 or greater for one semester and the student’s cumulative GPA is 2.0 or greater.
4. Students who are suspended twice from the Gatton College of Business and Economics will not be readmitted.

Scholarships

The Gatton College of Business and Economics awards scholarships at the freshman and upper-division levels. A small number of scholarships are available to freshmen based upon merit. Most upper-division scholarships require application in the spring. The application is available at: http://gatton.uky.edu/Undergraduates.

DIVISIONS

VON ALLMEN SCHOOL OF ACCOUNTANCY

The faculty in the Von Allmen School of Accountancy is committed to providing the best possible educational experience for students. The faculty has both breadth and depth of training and experience in public accounting, industry, government and regulated industries, and previous classroom experience.

DEPARTMENT OF ECONOMICS

The Department of Economics provides theoretical and applied courses in widely diverse areas including urban problems, labor, monetary economics, international economics, comparative economic systems, and economic history.

SCHOOL OF MANAGEMENT

Analytics

This degree program focuses on Business Analytics, which involves an organization’s integrated use of technological and quantitative methods to process data and gain insights in the course of making decisions. The objective of Business Analytics is to help an organization reach decisions leading to actions that yield strong performance and sustained competitiveness in the context of today’s turbulent, fast-paced, global business environment. The major covers application areas such as information systems, operations, and supply chain management.

Finance

The Area of Finance offers a variety of courses, both to students who concentrate their studies in finance and to those who desire additional knowledge in various financial areas. Such areas include financial management, security analysis and portfolio management, capital market theory, banking and institutions, and real estate.

Management

The faculty in the Area of Management brings extensive academic and practical experience to the classroom. Course offerings cover an array of management areas such as human resources, organizational behavior, and strategic management policy.

Marketing

The faculty in the Area of Marketing has extensive experience in industry and government and includes individuals with interests and training in all areas of marketing. Aspects of marketing such as research, retailing, promotion, personal selling and strategy are covered in marketing course work.

GRADUATION REQUIREMENTS

All students in the Gatton College of Business and Economics must fulfill the UK Core requirements as outlined in the UK Core section of this Bulletin, the premajor requirements, the College core requirements, and major requirements. Additionally, students must fulfill the College requirements listed below.

College Requirements

To graduate from the Gatton College of Business and Economics, a student must have a total of 120 credit hours (exclusive of lower division military science courses, physical education service courses, and performance-type courses) with a 2.0 grade-point standing. Students are required to earn at least 50 percent of their business credit hours required for the business degree at the University of Kentucky. A minimum GPA of 2.00 is required in all courses taken at the University of Kentucky used to satisfy the College core. Additionally, a minimum GPA of 2.00 is required in all courses taken at the University of Kentucky used to satisfy upper division departmental requirements.

Students must complete WRD 203, Business Writing; WRD 203 may also fulfill the Graduation Writing Requirement. Each student’s undergraduate curriculum must include at least 60 earned credit hours of courses outside the Gatton College of Business and Economics. Up to nine semester hours of economics and up to six semester hours of statistics
may be counted toward the number of earned credit hours outside the Gatton College of Business and Economics.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and its Applications or MA 113 Calculus I ................................................. 3-4

VIII. Statistical Inferential Reasoning
Recommended: STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .......... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

Subtotal: UK Core Hours ............................................. 30-31

Premajor Requirements Hours
Students must complete 25-27 credit hours taken from the following courses:
*CIS/WRD 110 Composition and Communication I ................................................................. 3
*CIS/WRD 111 Composition and Communication II ............................................................... 3
ACC 201 Financial Accounting I ................................................. 3
ACC 202 Managerial Uses of Accounting Information ............................................................ 3
ECON 201 Principles of Economics I ................................. 3
ECON 202 Principles of Economics II ................................. 3
STA 291 Statistical Methods .................................................. 3
*MA 123 Elementary Calculus and Its Applications or MA 113 Calculus I................................. 3-4
B&E 102 Microsoft Office Specialist – Word ................. 0
B&E 104 Microsoft Office Specialist – Excel ................. 0
Subtotal: Premajor Hours .................................................. 25-27

Suggested Premajor Curriculum

Fall Semester
CIS/WRD 110 Composition and Communication I ............ 3
UK Core – Social Sciences ................................................ 3 or 4
MA 109 College Algebra or
MA 123 Elementary Calculus and its Applications or
MA 113 Calculus I plus
MA 193 Supplementary Mathematics Workshop I ............ 3 or 5
UK Core – Natural/Physical/ Mathematical Sciences .......... 3
UK 101 Academic Orientation ............................................ 1
Total .............................................................................. 13-16

Sophomore Year

Fall Semester
ECON 201 Principles in Economics I ......................... 3
ACC 201 Financial Accounting I ..................................... 3
UK Core – Global Citizenship ......................................... 3
MA 162 Finite Mathematics and its Applications ............. 3
**STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ............... 3
B&E 103 Microsoft Office Specialist – PowerPoint ............ 0
Total .............................................................................. 15

Spring Semester
ECON 202 Principles in Economics II ............................ 3
ACC 202 Managerial Uses of Accounting Information .......... 3
STA 291 Statistical Methods ................................................ 3
WRD 203 Business Writing (Completes Graduation Writing Requirement) ......................... 3
Elective ........................................................................... 3
B&E 104 Microsoft Office Specialist – Excel ..................... 0
Total .............................................................................. 15

**STA 210 fulfills the UK Core Statistical Inferential Reasoning requirement.

College Core Hours
The Core, a total of 18 credit hours, consists of the following courses:
MKT 300 Marketing Management ...................................... 3
FIN 300 Corporation Finance ............................................. 3
MGT 301 Business Management ......................................... 3
MGT 340 Ethical and Regulatory Environment .................... 3
AN 300 Analyzing Business Operations ............................. 3
ECO 391 Economic and Business Statistics ....................... 3

Subtotal: College Core Hours ............................................. 18

Other College Requirements Hours
WRD 203 Business Writing ................................................. 3

Subtotal: Other College Hours ............................................. 3

Electives
Each of the degree programs affords the student considerable opportunity and freedom of choice to take elective courses. The number of electives will vary depending on the student and their major. Each student must meet the general minimum hours for graduation. Students pursuing a second degree must have a minimum of 144 hours. Military science (lower division), music performance, and KHP activity courses do not count for electives. A maximum of six hours of technical courses can be counted for electives. A total of four electives may be taken on a pass/fail basis if they are not being used for any other type of requirement, nor taught through the student’s major department(s).

Policy on Experiential Education
Gatton College of Business and Economics’ faculty work with the James W. Stuckert Career Center to provide students with the opportunity to intern in a business-related field. The College allows a student to apply toward graduation up to six credit hours (pass/fail option only) of EXP 396/internship credit earned at the University of Kentucky. The maximum credit hours each semester that can be applied toward graduation for EXP 396/internship credit is three. Credits earned for other internship courses throughout the University are included in the three hours per semester and the six hour maximum for graduation credit. For further information, visit: www.uky.edu/CareerCenter/.

Advising
The Undergraduate Resource Center (235 Gatton College of Business and Economics Building) coordinates the academic advising of business students. The staff of the Undergraduate Resource Center can assist with general information, admission decisions, and the applicability of credit toward degree requirements.

Bachelor of Science in ACCOUNTING

UK Core Requirements
See “UK Core Requirements” on page 169.
Subtotal: UK Core Hours .................................................. 30-31

Premajor Requirements
See “Premajor Requirements” on page 169.
Subtotal: Premajor Hours .................................................. 25-27

College Core
See “College Core” on page 169.
Subtotal: College Core Hours ............................................. 18

Other College Requirements
See “Other College Requirements” on page 169.
Subtotal: Other College Hours ............................................. 3

To graduate with a Bachelor of Science in Accounting, a student is required to have 27 or more credit hours taken from the School of Accountancy in the following courses:

University of Kentucky 2011-2012 Undergraduate Bulletin 169
### B.B.A. with a major in ANALYTICS

**UK Core Requirements**
See “UK Core Requirements” on page 169.

**Subtotal: UK Core Hours** 30-31

**Premajor Requirements**
See “Premajor Requirements” on page 169.

**Subtotal: Premajor Hours** 25-27

**College Core**
See “College Core” on page 169.

**Subtotal: College Core Hours** 18

**Other College Requirements**
See “Other College Requirements” on page 169.

**Subtotal: Other College Hours** 3

To graduate with a Bachelor of Business Administration degree, a student is required to have at least 18 credit hours as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 322 Information Systems in the Modern Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>AN 306 Analytics: Models and Methods</td>
<td>3</td>
</tr>
<tr>
<td>AN 420G Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>AN 450G Analytics Technologies</td>
<td>3</td>
</tr>
<tr>
<td>AN 303 Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>AN 324 Data Base Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: Major Hours** 18

**Electives**
See “Electives” on page 169. Students must complete a minimum of 120 hours to graduate with a degree in Business Administration.

**TOTAL HOURS:** 120

### Suggested Upper-Division Analytics Curriculum

#### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td>ACC 301 Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACC 324 Accounting Information Systems</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>AN 300 Analyzing Business Operations</td>
<td>3</td>
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<td></td>
<td></td>
<td>MGT 301 Business Management</td>
<td>3</td>
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<td></td>
<td></td>
<td>MKT 300 Marketing Management</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>Total</td>
<td>15</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
<td>ACC 302 Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACC 403 Auditing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECO 391 Economic and Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FIN 300 Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AN 322 Information Systems in the Modern Enterprise</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>B&amp;E 300 Career Development</td>
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</table>

#### Senior Year

<table>
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<th>Semester</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td>ACC 301 Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACC 403 Auditing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MGT 340 Ethical and Regulatory Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>15</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
<td>ACC 302 Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

Note: If you plan to do an internship, please consult with your accounting faculty advisor regarding course work order.
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Hours</th>
<th>Spring Semester</th>
<th>Hours</th>
<th>Senior Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Year</td>
<td>MGT 3– or 4–</td>
<td>3</td>
<td>MGT 499 Strategic Management</td>
<td>3</td>
<td>MGT 340 Ethical and Regulatory Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MGT 3– or 4–</td>
<td>3</td>
<td>MKT 340 Introductory Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>AN 300 Analyzing Business Operations</td>
<td>3</td>
<td>AN 300 Analyzing Business Operations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>13-16</td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**B.B.A. with a major in MARKETING**

**UK Core Requirements**
See “UK Core Requirements” on page 169.

Subtotal: UK Core Hours .................. 30-31

**Premajor Requirements**
See “Premajor Requirements” on page 169.

Subtotal: Premajor Hours .................. 25-27

**College Core**
See “College Core” on page 169.

Subtotal: College Core Hours ............. 18

**Other College Requirements**
See “Other College Requirements” on page 169.

Subtotal: Other College Hours ............. 3

To graduate with a Bachelor of Business Administration degree, a student is required to have at least 18 credit hours as follows:

**Hours**
MKT 310 Consumer Behavior .................. 3
MKT 340 Introductory Marketing Research .... 3
MKT 450 Marketing Strategy and Planning .... 3
plus three of the following:
MKT 320 Retail and Distribution Management 3
MKT 330 Promotion Management ................ 3
MKT 390 Special Topics in Marketing (Subtitle required) 1-3
MKT 410 Personal Selling ........................ 3
MKT 430 Services Marketing Management .... 3
MKT 435 International Marketing ................ 3
MKT 445 Sports Marketing ........................ 3

Subtotal: Major Hours .................. 18

**Electives**
See “Electives” on page 169. Students must complete a minimum of 120 hours to graduate with a degree in Business Administration.

**TOTAL HOURS:** ........................................ 120

**Suggested Upper-Division Marketing Curriculum**

**Junior Year**

**Fall Semester**
MKT 300 Marketing Management ................ 3
MGT 301 Business Management .................. 3
ECO 391 Economic and Business Statistics .... 3
FIN 300 Corporation Finance ................ 3
Elective ........................................ 3

**Total** ........................................ 15

**Spring Semester**
MKT 435 International Marketing ................. 3
MKT 430 Services Marketing Management ....... 3
MKT 330 Promotion Management ................ 3
MKT 320 Retail and Distribution Management ... 3
MKT 450 Marketing Strategy and Planning ....... 3
Elective ........................................ 3

**Total** ........................................ 15

**B.B.A. with a major in FINANCE**

**UK Core Requirements**
See “UK Core Requirements” on page 169.

Subtotal: UK Core Hours .................. 30-31

**Premajor Requirements**
See “Premajor Requirements” on page 169.

Subtotal: Premajor Hours .................. 25-27

**College Core**
See “College Core” on page 169.

Subtotal: College Core Hours ............. 18

**Other College Requirements**
See “Other College Requirements” on page 169.

Subtotal: Other College Hours ............. 3

To graduate with a Bachelor of Business Administration degree, a student is required to have at least 21 credit hours as follows:

**Hours**
ACC 300 Financial Accounting II ................ 3
ECO 412 Monetary Economics .................. 3
FIN 405 Capital Investment and Financing Decisions .................. 3
FIN 410 Investment Analysis .................. 3
plus at least three additional finance courses at the 400 or 500 level.

Subtotal: Major Hours .................. 21

**Electives**
See “Electives” on page 169. Students must complete a minimum of 120 hours to graduate with a degree in Business Administration.

**TOTAL HOURS:** ........................................ 120

**Suggested Upper-Division Finance Curriculum**

**Junior Year**

**Fall Semester**
FIN 300 Corporation Finance .................. 3
ACC 301 Financial Accounting II .............. 3
ECO 391 Economic and Business Statistics .... 3
MGT 301 Business Management ................ 3
MKT 340 Marketing Strategy and Planning ....... 3

**Total** ........................................ 15

**Spring Semester**
FIN 410 Investment Analysis .................. 3
ECO 412 Monetary Economics .................. 3
AN 300 Analyzing Business Operations ........ 3
Elective ........................................ 3

**Total** ........................................ 15

**B.S.B.E. with a major in ECONOMICS**

**UK Core Requirements**
See “UK Core Requirements” on page 169.

Subtotal: UK Core Hours .................. 30-31

**Premajor Requirements**
See “Premajor Requirements” on page 169.

Subtotal: Premajor Hours .................. 25-27

**College Core**
See “College Core” on page 169.

Subtotal: College Core Hours ............. 18

**Other College Requirements**
See “Other College Requirements” on page 169.

Subtotal: Other College Hours ............. 3

To graduate with a Bachelor of Science in Business and Economics, a student is required to have at least 3.0 hours as follows:

**Hours**
ECO 401 Intermediate Microeconomic Theory .................. 3
ECO 402 Intermediate Macroeconomic Theory ........ 3
ECO 499 Seminar in Economics (Subtitle required) .... 3
Upper-level elective in Gatton College .................. 3
FIN electives .................................. 12

Subtotal: Major Hours .................. 24

**Electives**
See “Electives” on page 169. Students must complete a minimum of 120 hours to graduate with a B.S.B.E. degree.

**TOTAL HOURS:** ........................................ 120
## Suggested Upper-Division Economics Curriculum

### Junior Year

#### Fall Semester
- ECO 401 Intermediate Microeconomic Theory .......... 3
- FIN 300 Corporate Finance ........................................ 3
- MGT 301 Business Management ................................ 3
- MKT 300 Marketing Management ............................... 3
- Elective ...................................................................... 1-4
- Total ................................................................. 13-16

#### Spring Semester
- ECO 402 Intermediate Macroeconomic Theory .......... 3
- ECO 391 Economic and Business Statistics ............... 3
- AN 300 Analyzing Business Operations ...................... 3
- MGT 340 Ethical and Regulatory Environment ............ 3
- Elective and/or
  - B&E 300 Career Development in Business and Economics (1 credit) .............. 1-4
- Total ................................................................. 13-16

### Senior Year

#### Fall Semester
- ECO 4 ............................................................... 3
- ECO 4 ............................................................... 3
- Elective .............................................................. 3
- Elective .................................................................. 3
- Total ................................................................. 15

#### Spring Semester
- ECO 499 Seminar in Economics (Subtitle required) .. 3
- ECO 4 ............................................................... 3
- Gatton Elective (non-major) ..................................... 3
- Elective .................................................................. 3
- Elective .................................................................. 3
- Total ................................................................. 15

## Minor in Business

**NOTE:** This minor is not available to students pursuing a major in the Gatton College of Business and Economics. Students should note that some courses in the minor have CS 101 as a prerequisite. Further, MA 113 (or MA 123) is a prerequisite for STA 291, a minor requirement. STA 291 is a prerequisite for FIN 300, a minor requirement. Students who choose AN 300 must complete MA 113 or MA 123/162.

Students wishing to complete a minor in Business must complete the following:

### Preminor Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201 Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202 Managerial Uses of Accounting Information</td>
<td>3</td>
</tr>
<tr>
<td>ECO 201 Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 202 Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>STA 291 Statistical Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must complete the preminor requirements prior to taking any course in the minor requirements.

### Minor Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN 320 Business Computing Systems or AN 300 Analyzing Business Operations</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300 Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 301 Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 300 Marketing Management</td>
<td>3</td>
</tr>
</tbody>
</table>

## Minor in International Business

To earn the minor in International Business, complete the following:

### Prerequisite

- Complete the College premajor with a grade-point standing meeting the Annual Admission GPA, plus
- FIN 300 Corporation Finance ..................................... 3
- MGT 300 Marketing Management .................................. 3

### Course Component

Complete 15 hours of course work, including:

- MGT 309 Introduction to International Business .......... 3
- *AEC/ECO 471 International Trade ............................... 3
- FIN 423 International Finance .................................... 3
- MKT 435 International Marketing ................................. 3

*AEC 401 is a prerequisite for AEC/ECO 471.

### Minor Residency Requirement

Complete at least six hours of upper-division classes from the Gatton College (50 percent of the upper-division requirement for a minor) at the 300-level or above.

Students must take at least nine hours of upper-division classes from the Gatton College (50 percent of the upper-division requirement for a minor).

## GRADUATE PROGRAMS

The Gatton College of Business and Economics offers the following graduate degrees through the Graduate School at UK: (1) Master of Science in Accounting, (2) Master of Business Administration, (3) Ph. D. in Business Administration, (4) Master of Science in Economics, and (5) Ph.D. in Economics. Additional information may be obtained from the Associate Dean for Faculty, Research, and Administration, Gatton College of Business and Economics, and from The Graduate School Bulletin.
The College of Communications and Information Studies consists of the Department of Communication, the School of Journalism and Telecommunications, and the School of Library and Information Science. The Department of Communication educates its students in interpersonal, small group, mass, health and organizational communication, and communication theory and research. Graduates pursue a variety of career paths in areas such as corporate communication, health communication, personnel, education, media, and government. The journalism area within the School of Journalism and Telecommunications educates its students for professional careers in the media as writers, editors, and broadcasters. The integrated strategic communication area within the School prepares students for careers as professionals in the allied areas of advertising, public relations, and direct response communication. The media arts and studies area within the School of Journalism and Telecommunications educates its students in telecommunications technology, management, programming, research, audio-video production, and the societal consequences of electronic media. The School of Library and Information Science provides students with the basic knowledge and skills required to function effectively in beginning professional positions in various types of libraries and information-providing agencies.

Accreditation

Majors in the School of Journalism and Telecommunications have national accreditation from the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC).

Undergraduate Programs in Communications and Information Studies

The University of Kentucky grants the following degrees in the College of Communications and Information Studies:
- Bachelor of Arts
- Bachelor of Science

Students pursuing either the Bachelor of Arts or the Bachelor of Science select from these majors: communication, integrated strategic communication, journalism, and media arts and studies. Students may also select a minor in communication and a minor in media arts and studies. Students may not double-major within the School of Journalism and Telecommunications; students majoring in integrated strategic communication or journalism may not minor in media arts and studies. University requirements for a double major stipulate that each major be in a separate department (see the Graduation Requirements section of this Bulletin). No student may take more than 40 hours within the School to complete a degree.

Scholarships and Financial Aid

The College of Communications and Information Studies has several opportunities for students to obtain scholarship funding. The college awards four scholarships to incoming freshmen and two scholarships each to rising juniors and seniors each academic year. The School of Journalism and Telecommunications awards nearly $45,000 in aid from various scholarship funds annually. The Department of Communication also has funding available for students. Generally, the deadline for scholarship applications is early in the spring semester to award funding for the following academic year. For specific information on scholarships, contact the department office, or the Office of Student Services in 105 Grehan Building.

ADMISSION POLICY

Admission to the University is sufficient for admission to the College of Communications and Information Studies as a premajor for students who have completed less than 45 semester hours. An application must be filed with the college in order for a student to be considered for admission as a premajor or major. However, admission as a premajor does not guarantee admission as a major in one of the degree programs in the College of Communications and Information Studies. In general, admission as a major depends upon the qualifications and preparation of the applicant, as well as the availability of resources for maintaining quality instruction. Additionally, depending on the timing of admission into the major program, students may not have access to major classes until subsequent semesters.

Upper-division admission into a degree program is necessary in order to be granted a baccalaureate degree from the College of Communications and Information Studies.

Transfer Students

The School of Journalism and Telecommunications is accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC). Under ACEJMC guidelines, no more than 12 hours of journalism and mass communications courses from a student’s previous institution(s) may be counted toward a degree in journalism, integrated strategic communication or media arts and studies at the University of Kentucky.

Admission to Degree Programs

In order to be admitted to any of the four undergraduate majors (communication, integrated strategic communication, journalism, and media arts and studies) offered by the College of Communications and Information Studies, an applicant must fulfill the following requirements:

1. Enrollment in the University of Kentucky (Students are considered for acceptance by the college only after acceptance by the University.);
2. Completion of 45 semester hours of course work;
3. Minimum of 2.6 cumulative grade-point average;
4. Completion of premajor requirements of the program to which application is made.

Students majoring in Communication, Journalism, and Integrated Strategic Communication must attain a minimum grade-point average of 3.0 on all premajor courses. Media arts and studies majors must attain a minimum grade-point average of 2.6 in the premajor.

5. Completion of UK Core areas I, II, III, IV, V, VI, VII and VIII;
6. Submission of an application form.

*For the journalism premajor requirements, the student’s grade in JOU 204 counts double in figuring the premajor grade-point average.
No student will be allowed to test out of any Journalism, Integrated Strategic Communication, or Telecommunication course. A student taking a similar course from another institution would still be allowed credit should the course meet criteria similar to the University of Kentucky course.

Students meeting these requirements will be designated as majors or as students with upper-division standing in the program to which admission is granted. Any student not meeting one or more of these requirements may be granted premajor status.

In the admission considerations, when personal, academic, professional, or intellectual circumstances tend to discount lower academic scores, admission may be granted if there is other persuasive evidence of both the capability and motivation to undertake successfully a program in the College of Communications and Information Studies.

Annually, the College of Communications and Information Studies faculty will review the minimum standards required for admission to the college. Any change in requirements will be implemented at the beginning of the academic year (fall semester) and will be in effect for the entire academic year. If the standards are to be changed, the Dean of the College of Communications and Information Studies will submit the proposed change by February 1 to the University Senate Council for approval, with prior circulation to the University deans and directors.

Admissions Process
Applications from students outside the University of Kentucky seeking admission to the College of Communications and Information Studies, whether for lower-division or upper-division status, must be received by the University of Kentucky Admissions Office no later than April 1 (for summer sessions), August 1 (for fall semester) and December 1 (for spring semester).

Students enrolled in other UK colleges on campus may apply for admission during the first week of fall and spring semesters, or prior to the priority registration period. The appropriate deadlines are listed in the University calendar as approved times to change majors.

Each applicant bears the responsibility to see that the application contains all the requested materials.

Automatic acceptance: Assuming all else is in order, applicants with a 2.6 or above undergraduate grade-point average will be accepted. Once accepted, each student will be assigned a major advisor by the appropriate department office.

Admission based upon departmental review: Students who do not meet one or more of the requirements for admission, but who feel that this is due to extenuating personal, academic, professional, or intellectual circumstances, must describe these circumstances in detail in a separate letter of appeal. These circumstances will be considered by the Admissions Committee of the appropriate program. The applicant will be informed in writing of the committee’s decision, which also will be forwarded to the college’s Office of Undergraduate Studies.

Enrollment in Upper Division Courses
Enrollment in College of Communications and Information Studies courses numbered 300-599 will be limited in order of priority to:

1. majors and minors in College of Communications and Information Studies degree programs;
2. non-College of Communications and Information Studies students who are registered for specific programs requiring College of Communications and Information Studies courses;
3. other students or categories of students with the express permission of the department offering the course (departments may choose to declare certain courses as open enrollment courses).

GRADUATION REQUIREMENTS
To earn either the Bachelor of Arts or the Bachelor of Science degree in the College of Communications and Information Studies, each student must (1) complete 120 hours of course work (excluding courses lower than the 100 level, courses with an R designation, physical education service courses, and/or EXP 396 credits) with a grade-point average of at least 2.0 and (2) complete at least 42 hours in upper division courses (300 or above). No more than 60 hours may be taken within the college.

Other requirements include UK Core, premajor requirements, field of concentration (24-27 hours of major work and 15-18 hours of cognate courses earned outside the college as defined by the units), and a minimum of six hours of free electives.

Bachelor of Arts
Degree Requirements
Students who pursue the B.A. within the College of Communications and Information Studies must fulfill the following requirements.

UK Core: Students must complete all areas of the UK Core program. (See UK Core section in this Bulletin for a detailed explanation of requirements.)

College B.A. Requirements
1. Language. Complete one of the following sequences:
   Option A: Successful completion of the fourth college semester of one foreign language. (Note: This may be accomplished by scoring at this level on a placement test for previous work in the foreign language.)
B.S. or B.A. with a major in COMMUNICATION

The major in communication provides students with the knowledge and skills necessary to design, manage, and evaluate communication processes involving individuals, groups, and the public. Graduates develop strong oral, written, and interpersonal communication skills as well as an advanced ability to analyze and critique messages, behaviors, and media.

Majors typically plan their upper-division course work around five identified career paths: corporate communication, health communication, human communication, interpersonal relationships, and mass communication. Students also can tailor their own unique program of study to meet specific needs. Careful planning with the student’s advisor is necessary.

Communication majors are encouraged to participate in educational activities beyond regular course offerings. The department has an excellent internship program which offers the opportunity for work with employers in corporate, government, and public service agencies. In addition, students may elect to do independent study work with individual faculty on special topics or projects. All majors are encouraged to participate in a variety of student organizations providing extracurricular activities designed to enhance the academic experience and career opportunities. For students who qualify, the department sponsors an Honors Society.

Degree Requirements
Each student completes the following:

College Requirements
See “College B.A. Requirements” or “College B.S. Requirements” on page 174.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning ...................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours ..................................................... 30

Premajor Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 101 Introduction to Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
</tr>
<tr>
<td>CIS/WRD 111 Composition and Communication II</td>
<td>3</td>
</tr>
<tr>
<td>COM 252 Introduction to Interpersonal</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 249 Mass Media and Mass Culture</td>
<td>3</td>
</tr>
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</table>

Subtotal: Premajor Hours .......................... 15

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 351 Introduction to Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>COM 365 Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>Fifteen additional credits of COM courses at</td>
<td>3</td>
</tr>
<tr>
<td>the 300-level or above, of which at least</td>
<td>3</td>
</tr>
<tr>
<td>nine credits must be at the 400- and/ or</td>
<td>3</td>
</tr>
<tr>
<td>500-level.</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate (15 hours)

 Students must complete fifteen hours in courses related to a Career Path (exclusive of COM courses) at the 300-level or above, as approved by student’s academic advisor.

Subtotal: Major Hours .......................... 42

TOTAL HOURS: .................................. minimum of 120

Suggested Career Paths

Corporate Communication

<table>
<thead>
<tr>
<th>Required COM Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fifteen hours of approved upper-division COM</td>
<td>3</td>
</tr>
<tr>
<td>courses, of which must be:</td>
<td>3</td>
</tr>
<tr>
<td>COM 325 Introduction to</td>
<td>3</td>
</tr>
<tr>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 525 Organizational Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate Area

Courses in sociology, marketing, management, journalism and telecommunications are often chosen for this cognate.

Health Communication

<table>
<thead>
<tr>
<th>Required COM Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fifteen hours of approved upper-division COM</td>
<td>3</td>
</tr>
<tr>
<td>courses, of which must be:</td>
<td>3</td>
</tr>
<tr>
<td>COM 452 Studies in Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>and either</td>
<td>3</td>
</tr>
<tr>
<td>COM 571 Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>3</td>
</tr>
<tr>
<td>COM 591 Special Topics in Communication</td>
<td>3</td>
</tr>
<tr>
<td>(Subtitle required)</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate Area

Courses in sociology, psychology, behavioral science, philosophy, journalism and telecommunications, marketing and management are often chosen for this cognate.

Human Communication

<table>
<thead>
<tr>
<th>Required COM Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fifteen hours of approved upper-division COM</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate Area

Courses in sociology, political science, journalism and telecommunications, marketing and management are often chosen for this cognate.

Interpersonal Communication

<table>
<thead>
<tr>
<th>Required COM Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fifteen hours of approved upper-division COM</td>
<td>3</td>
</tr>
<tr>
<td>courses, of which must be:</td>
<td>3</td>
</tr>
<tr>
<td>COM 452 Studies in Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>and either</td>
<td>3</td>
</tr>
<tr>
<td>COM 462 Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>3</td>
</tr>
<tr>
<td>COM 581 Studies in Small Group Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate Area

Courses in sociology, psychology, family studies, journalism and telecommunications are often chosen for this cognate.

Mass Communication

<table>
<thead>
<tr>
<th>Required COM Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fifteen hours of approved upper-division COM</td>
<td>3</td>
</tr>
<tr>
<td>courses, of which must be:</td>
<td>3</td>
</tr>
<tr>
<td>COM 449 Social Processes and Effects of</td>
<td>3</td>
</tr>
<tr>
<td>Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 453 Mass Communication and Social Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Cognate Area

Courses in sociology, political science, journalism and telecommunications, marketing and management are often chosen for this cognate.

Minor in Communication

Any student wishing to minor in communication must meet college selective admission requirements (45 credits completed, 24 credits in UK Core courses, COM 101 and have a 2.6 cumulative grade-point average). The student must file an application for the minor in the Department of Communication Office and have approval from the department chair for COM courses selected to complete the minor.

1. COM 101 Introduction to Communications .......... 3
2. COM 287 Persuasive Speaking ....................... 3
3. Two courses (six hours) from the following:
   COM 249 Mass Media and Mass Culture .............. 3
   COM 252 Introduction to Interpersonal Communication .............. 3
   COM 281 Communication in Small Groups .......... 3
   COM 325 Introduction to Organizational Communication ......... 3
4. COM 351 Introduction to Communication Theory .... 3

B.S. or B.A. with a major in INTEGRATED STRATEGIC COMMUNICATION

The Integrated Strategic Communication major offers students professional preparation for careers in the allied areas of advertising, public relations, and direct response communication. Through course work, students develop conceptual command of these allied areas and also build expertise in one area through the PATH option they select. The major stresses a strategic approach to communication initiatives and is designed to build analytical and critical thinking skills as well as writing and presentation skills.

ISC graduates enjoy highly diverse career destinations. Agencies specializing in advertising, public relations, and direct response along
with the media and communication technology industries, corporations, nonprofit organizations, and regulatory/consumer protection agencies need employees who have the skills developed by the ISC graduate.

ISC students are encouraged to expand their course work with activities unique to the major. Grehan Associates is a student-run full-service communications agency where students meet clients’ advertising, public relations, and direct response needs. The American Advertising Federation and Public Relations Student Society of America chapters offer both leadership and networking opportunities. A dynamic, professionally-oriented internship program insures that students gain hands-on experience with communications, government, or nonprofit agencies or with corporations or the media. Students are also encouraged to work with The Kentuckian, the Kernel, WRFL and WUKY.

Degree Requirements

Each student completes the following:

College Requirements

See “College B.A. Requirements” or “College B.S. Requirements” on page 174.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list ........................ 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning .................. 3

B.S. or B.A. with a major in JOURNALISM

The journalism major prepares students for leadership roles in rapidly changing media by requiring a strong core of journalism courses within the rich context of a liberal arts education. Courses are designed to foster analytical and critical thinking skills and to teach students to communicate effectively with a mass audience.

Founded in 1914, the journalism program has full national accreditation by the Accrediting Council on Education in Journalism and Mass Communications. Alumni include Pulitzer Prize winners, Nieman fellows and nationally known journalists.

Journalism majors learn about media law, ethics and history, and about the media’s role in an increasingly diverse society. The program emphasizes hands-on learning. Students select either a print or electronic emphasis in their professional skills courses. Majors choosing a print emphasis have the opportunity to write for a daily newspaper. Students who select the electronic track gain on-air experience at the university radio station and report, anchor, videotape and produce a newscast aired on a local cable channel.

Graduates are prepared for jobs as reporters and editors for print, broadcast and online media, and for positions as assignment editors, producers, managing editors, publishers and new media entrepreneurs. Courses are also offered for students interested in specialized careers such as sports reporting, business writing, arts criticism or graphic design.

All majors are encouraged to supplement their course work with media experience at the Kentuckian, the Student Daily newspaper; the Kentuckian, the student yearbook; WUKY, the university’s public radio station, or WRFL, the student-run radio station. In addition, students are expected to take advantage of the school’s internship program.

Degree Requirements

Each student completes the following:

College Requirements

See “College B.A. Requirements” or “College B.S. Requirements” on page 174.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ...... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list ........................ 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning .................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................ 3

PSY 100 Introduction to Psychology ......................... 4
ISC 161 Introduction to Integrated
Strategic Communication ...................................... 3
ISC 261 Strategic Planning and Writing or
JOU 204 Writing for the Mass Media ...................... 3
B.S. or B.A. with a major in MEDIA ARTS AND STUDIES

The media arts and studies major offers students a liberal arts program covering a range of issues related to electronic mass communication and electronic personal communication. In addition, students interested in message production or telecommunications management can opt to integrate selected professional or skills-based courses into their program of study.

Socio-cultural media courses address the historical, political and social aspects of telecommunications. Media industry courses examine organizational, economic, and/or technological dimensions of telecommunications systems and the interrelations among these factors. These courses may center on mass communication issues, interactive communication issues, or both.

Media production courses cover the traditional telecommunications areas of audio and video production and the more recent developments in multimedia and Web page design and production.

All media arts and studies majors will take advantage of the experiential learning opportunity provided by a formal internship. The School of Journalism and Telecommunications has an excellent internship program which offers the opportunity to work with a wide variety of employers, including companies oriented to the provision of voice, data, and/or video products and services. In addition, students may pursue special interests in media arts and studies through independent study with any of the media arts and studies professors.

Degree Requirements
Each student completes the following:

College Requirements
See “College B.A. Requirements” or “College B.S. Requirements” on page 174.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS-WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS-WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours ...................................................... 30

Premajor Requirements Hours
MAS 101 Introduction to Media and Culture ............... 3
MAS 201 Communication Technologies and Society .... 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .......................... 3

A combined GPA of 2.6 is required from the three courses above.

Subtotal: Premajor Hours ........................................ 9

Major Requirements
MAS 300 Telecommunications Research Methods ........ 3
MAS 310 Telecommunications Policy and Regulation .......... 3
JAT 399 Internship (Subtitle required) ....................... 3

plus 21 hours, with a minimum of six hours focusing on the social impact of telecommunications, from the following:

Social-Cultural Media Courses (minimum of six hours)
MAS 319 World Media Systems .................................. 3
MAS 420 Electronic Media Criticism .............................. 3
MAS 453 Mass Communication and Social Issues ........... 3
MAS 520 Social Effects of the Mass Media ..................... 3
MAS 525 Theory of Multimedia ................................. 3
MAS 530 Proseminar in Telecommunications ................. 3
MAS 555 The Internet and Social Change .................... 3
MAS 590 Special Topics in Social-Cultural Media Studies (Subtitle required) .......................... 3
JAT 395 Independent Study ........................................ 3

Media Industry Courses (minimum of three hours)
MAS 355 Communication and Information Systems in Organizations .............................................. 3
MAS 404 Media Organizations ...................................... 3
MAS 482 Electronic Media Sales Management ............... 3
MAS 490 Special Topics in Media Industry Studies (Subtitle required) ........................................... 3
MAS 535 Telecommunications Network Management .......... 3

Media Production Courses
MAS 312 Video Production I ........................................ 3
MAS 322 Multimedia I ............................................... 3
MAS 390 Special Topics in Media Production (Subtitle required) ................................................. 3
MAS 412 Video Production II ....................................... 3
MAS 422 Multimedia II .............................................. 3
MAS 432 Audio Production .......................................... 3

Cognate Area: All majors must fulfill the field of concentration or cognate area requirement by taking a minimum of 12 hours outside the major at or above the 300 level in courses related to their media arts and studies interest.

Subtotal: Major Hours ............................................. 42

TOTAL HOURS: .................................................. minimum of 120

Note: Of a student’s total course work for a bachelor’s degree, 80 of the 120 hours required for graduation must be in courses other than journalism or mass communications. (Accreditation standards require at least 65 semester hours in basic liberal arts and sciences.)
M.S. in
LIBRARY SCIENCE

The School of Library and Information Science began in 1933 as the Department of Library Science within the College of Arts and Sciences. Sixty years later, in 1993, the College of Library and Information Science merged with the College of Communications and Information Studies. The college consists of a School of Library and Information Science, a School of Journalism and Telecommunications, and a Department of Communication. The school offers one of approximately 50 master’s programs in library and information science in the United States and Canada that are accredited by the American Library Association.

The School of Library and Information Science provides students with the basic knowledge and skills required to function effectively in beginning professional positions in various types of libraries and information-providing agencies. It contributes to the advancement of both the theory and practice of librarianship through systematic and continuing research and publication and provides continuing public service to individuals, libraries, professional organizations and related institutions to the end of promoting effective and efficient information services.

The School of Library and Information Science maintains flexibility and openness to change through the participation of faculty, students, and administration in the decision-making process. The student body of about 220 has its own organization, LISSO, the Library and Information Science Student Organization, which represents students in school deliberations. Students may sit on committees and share in the development of the school. The student organization participates in orientation programs, publishes a blog, and sponsors social activities throughout the year. The diversity of the students, in terms of geography and interests and backgrounds, helps to create an atmosphere in which change and improvement in the program can take place.

The libraries of the University, William T. Young, M.I. King and the branch libraries, constitute the major “laboratory” facility for library and information science students. They are supplemented by other libraries in the area including those at the Lexington Theological Seminary, the Veterans Administration Medical Center, the Lexington Public Library, several nearby public libraries and the State Department for Libraries and Archives in Frankfort.

Accreditation
The master’s program in library and information science is accredited by the American Library Association.

Graduate Program in Library and Information Science

The University of Kentucky grants the following degrees in the School of Library and Information Science:
- Master of Science in Library Science
- Master of Arts

ADMISSION REQUIREMENTS AND PROCEDURES FOR GRADUATE STUDY

The School of Library and Information Science offers graduate degrees only. For complete information on the M.A. and the M.S.L.S. degree programs and admissions procedures, consult The Graduate School Bulletin and the School of Library and Information Science Bulletin. The former can be found at www.rgs.uky.edu/grad and the latter can be found at www.uky.edu/CommInfoStudies/SLIS.

Admission

The admissions philosophy of the school is to admit students who are capable of satisfactory academic performance and who show promise of being able to function as competent and effective librarians and information managers. A basic requirement for admission is an undergraduate degree in any discipline (from an accredited institution) with a grade-point average of at least 3.0 on a 4.00 scale. In addition the applicant should present Graduate Record Examination scores, (a) on the General Test taken before October 1, 2002, of 450 or higher on the verbal section and of 400 or higher on the quantitative section or on the analytical section; (b) on the General Test taken on or after October 1, 2002, of 450 or higher on the verbal section and of 400 or higher on the quantitative section or on the analytical writing section.

While these admission standards are important, the school does try to remain flexible to account for individual developmental differences and strengths.

There are no specific library science prerequisites for admission into the School of Library and Information Science. Students are urged not to take a minor in library science as undergraduates but to concentrate on other subject area majors and minors and obtain a broad liberal arts background. Electives in computer science are often very helpful.

Application must be made both to the School of Library and Information Science and The Graduate School. For information about applying to The Graduate School, go to: www.gradschool.uky.edu/ProspectiveStudents/prospective.html. For information about applying to the School of Library and Information Science, go to: www.uky.edu/CIS/SLIS/admissions. An applicant to the school must submit all materials by the deadlines set by the school, which are included with the information at Admissions. Applicants may enter the program in the spring, fall or summer. Send questions or inquiries to ukslis@uky.edu.

Previous students must apply for readmission if they were not enrolled during the semester prior to that for which admittance is sought.

Financial aid

Financial aid and scholarship information specific to library and information science is limited to graduate students and is too detailed and changes too often to warrant inclusion in this Bulletin. Information is available on the school’s Web site.

Advising

Upon admission to the master’s program, students are assigned a faculty advisor. Advisor assignments are based, when possible, on student interest and preference.

University of Kentucky Undergraduates

The School of Library and Information Science does not offer any formal program of study on the undergraduate level.

GRADUATE PROGRAMS

The College of Communications and Information Studies offers the following graduate degrees: (1) Master of Arts in Communication, (2) Ph.D. in Communication, (3) Master of Science in Library Science, and (4) Master of Arts in Library Science. Additional information may be obtained from the Associate Dean for Graduate Studies for the College of Communications and Information Studies and from The Graduate School Bulletin.
Predental Preparation

The College strongly recommends that applicants gain a broad liberal arts education with a solid foundation in the sciences. Information on prerequisite course work may be obtained at: www.mc.uky.edu/dentistry. Gaining admission is a competitive process and completing a baccalaureate degree prior to matriculation is an expectation. Prospective dental students should contact the Office of Admissions and Student Affairs early in their undergraduate careers for guidance. The College will work with students to advise them on ways to become competitive applicants. The College also works closely with the UK Pre-Dental Society. For more information, call (859) 323-6071.

Application Process

An application for admission may be obtained from the American Association of Dental Schools Application Service (AADSAS). Candidates for admission are encouraged to apply early to receive the strongest consideration. The AADSAS electronic application becomes available on June 1. You may contact AADSAS at: www.aeda.org

Dental Admission Test

Every applicant must take the Dental Admission Test (DAT). The DAT scores are considered, along with a candidate’s academic record and other criteria, in the admissions decision. The exam is offered nationwide by computer through Prometric Testing Centers. The DAT results should not be more than two years old and the highest set of scores will be used. Information on the DAT is available by contacting the American Dental Association at: www.ada.org

Letters of Evaluation

Three letters of evaluation must be included in each candidate’s admission credentials from individuals who are able to provide information regarding the applicant’s potential for success in the dental curriculum. Two letters should come from faculty members and/or preprofessional advisors. The third letter may come from another faculty member, a dentist or someone else who knows the applicant well and can provide an assessment of the individual’s academic qualifications, personal qualities and potential. A preprofessional committee evaluation of a candidate may be substituted for the three letters. Applicants must forward the letters to AADSAS when they submit their packets; hard copy letters of evaluation sent to the Office of Admissions and Student Affairs will not be connected to the application.

Office of Admissions and Student Affairs

College of Dentistry
D-155 Chandler Medical Center
University of Kentucky
Lexington, KY 40536-0297
(859) 323-6071
www.mc.uky.edu/Dentistry
e-mail: deana.taulbee@uky.edu
Students also learn contemporary processes such as prototyping to solve problems, and innovate new solutions. Prototypes, three-dimensional physical models, are created with digital design and fabrication tools and technologies such as CNC milling, 3-D printing, and laser-cutting. Prototypes can be created quickly allowing students to propose solutions; examine results; redefine problems; and propose new solutions. In the School of Architecture, prototyping has come to define a new model of design research in which the focus is not so much on the creation of a final design but rather on the creation of design knowledge itself.

The four-year Bachelor’s degree in architecture qualifies students for careers in architectural offices, building construction, development and public agencies. To become a licensed architect in Kentucky and other states, the graduate must complete a two-year Master of Architecture program. Both degree programs are offered at the University of Kentucky.

Accreditation
In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, Master of Architecture, and Doctor of Architecture. A program may be granted a 6-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

University of Kentucky School of Architecture offers the following NAAB accredited degree programs:
- Bachelor of Arts in Architecture (133 undergraduate credits)
- Master of Architecture (pre-professional degree + 57 graduate credits)

Admissions Procedures
Admission into the School of Architecture Bachelor of Arts in Architecture program is regulated through a selective admission procedure. The most significant part of the admission procedure consists of the Architecture Admission Requirement, which is designed to identify an applicant’s innate ability in regard to spatial perception, visual memory, creativity, and logic.

Candidates not currently enrolled at the University of Kentucky must file a University application with the Office of Undergraduate Admission.

Candidates must also apply for admission to the School of Architecture by March 1. Applications may be obtained from: www.uky.edu/design/architecture_admissions.

Freshman candidates are required to file a University application, with necessary supporting documents, with the Office of Undergraduate Admission and University Registrar by March 1 for Fall Semester admission.

Candidates will be admitted in order of priority on the basis of the following criteria:
1. A potential for general academic achievement as indicated by the high school grade-point average and national college admission test scores (ACT or SAT).
As a rule, freshmen applying to the School of Architecture must meet the minimum academic standards required for all freshmen applicants for admission to the University. However, if the Architecture Admission Committee finds clear indications of probable success in architecture from its review of the further evidence pertaining to a candidate who does not meet these minimum criteria, an exception may be made to this rule. Any such exception would require formal recommendation of the School of Architecture Admission Committee and approval of the Associate Dean for Administration.

For fall admission, applicants must register for and take the American College Test (ACT) or the Scholastic Aptitude Test (SAT) on or before the December test date.

2. The probability of success in a professional program in architecture as predicted by "The Architecture Admission Requirement."

3. Comparative measures of aptitude and motivation derived by the Admission Committee from supplementary portfolio (e.g., a home project assignment) and, in cases of uncertainty and circumstances permitting, personal interview.

The portfolio requirement will be sent out upon completion of a School of Architecture application, in the first week of November. The Architecture Admission Portfolio is due on or before February 1.

Transfer candidates from educational programs other than those in architecture will be required to observe the same application deadlines and portfolio submission procedures (when applicable) as those set out above for freshmen. Please note that this deadline is earlier than that for general admission of transfer students to the University.

Candidates will be considered in order of priority on the basis of the following criteria:

1. The indication of general academic performance as reflected by the cumulative college grade-point average, and the indications of specific interests and aptitudes as reflected by grades in certain critical disciplines (e.g., art history, art studio, foreign languages, freehand drawing, history of ideas, mathematics, philosophy, social history).

As a rule, the minimum academic standard acceptable to the Admission Committee will be a cumulative grade-point average of 2.0 on a 4.0 scale, or an average of C in all previous college work. However, if the Architecture Admission Committee finds clear indications of probable success in architecture from its review of the further evidence pertaining to a candidate who does not meet these minimum criteria, an exception may be made to this rule. Any such exception would require formal recommendation of the School of Architecture Admission Committee and approval of the Director of Admissions.

2. The probability of success in a professional program in architecture as predicted by "The Architecture Admission Portfolio." Any applicant who is successful on "The Architecture Admission Portfolio" but who has a university grade-point average of less than 2.0 will not be accepted to begin work in the School of Architecture. However, a one-year deferment of admission may be granted pending grade improvement to at least 2.0. This requirement may be waived by the School of Architecture Program Director under extraordinary circumstances.

3. Other indications of their aptitude and motivation as may be available (e.g., a portfolio of work, references, experiences in building construction or related fields).

4. Comparative measures of their aptitude and motivation derived by the Architecture Admission Committee from supplementary tests (e.g., a home project assignment) and, in certain cases of indecision, and circumstances permitting, personal interviews. Students who have been admitted to and have completed some professional courses within the School of Architecture and have withdrawn from the university for a period of three years or more, or who have not taken professional courses within the School of Architecture but remain in the university for a period of two years or more, may not reenter the program without the consent of the Dean of the College of Design, which would be given only under extraordinary circumstances.

Transfer candidates from N.A.A.B. accredited degree programs in architecture are required to file application with the Office of Undergraduate Admission and University Registrar by April 1 for Fall Semester admission. Please note that this deadline is earlier than those for application to the University in general.

Candidates will be considered in order of priority on the basis of the following criteria:

1. The indication of general academic success and success in a professional program in architecture as reflected by the cumulative college grade-point average, and indications of specific aptitude and skill development as reflected by grades in architecture or environmental design courses.

As a rule, the minimum academic standard acceptable to the Admission Committee will be a cumulative grade-point average of 2.0 on a 4.0 scale, or a C average in all previous college work. However, if the Architecture Admission Committee finds clear indications of probable success in architecture from its review of the further evidence pertaining to a candidate who does not meet these minimum criteria, an exception may be made to this rule. Any such exception would require formal recommendation of the School of Architecture Admission Committee and approval of the Director of the School of Architecture.

2. The probability of success in a professional program in architecture as predicted by a review of their portfolio of work in architecture. The portfolio should be brought or mailed, together with return postage and mailing labels directly to:

School of Architecture Admission Committee
College of Design
117 Pence Hall
University of Kentucky
Lexington, KY 40506-0041

3. A review of at least three letters of reference addressed to the Admission Committee from referees such as previous other teachers, architectural practitioners or related professionals for whom the candidate may have worked.

The candidate’s portfolio and letters of reference should be received by the committee by April 1 for Fall Semester admission.

4. In cases of uncertainty, and circumstances permitting, personal interview. Based on the above criteria, the Admissions Committee will determine entering placement in the program. This placement may be at a level lower than the applicant had achieved at his or her previous institution.

Master of Architecture Candidates

Master of Architecture candidates from the University of Kentucky and other NAAB accredited degree programs are required to file a University application with the Graduate School with supporting documents by January 15. In addition, a School of Architecture application is due on the same date.

Candidates will be admitted in order of priority on the basis of the following criteria:

1. A potential for academic achievement as indicated by college GPA and national college admission test score (GRE);

2. A portfolio of undergraduate work; and,


Scholarships

The College of Design offers merit-based scholarships to undergraduate students. There is no application required to be eligible for scholarships, all students are automatically considered. Thanks to the generosity of our alumni and friends, over seventy five thousand dollars in scholarships are awarded to our students each year. All graduate applicants are automatically considered for merit-based scholarships. Approximately two hundred thousand dollars in merit-based scholarships, awards, and stipends are awarded to College of Design graduate students every year. Scholarships and awards can range from $5,000 to full tuition. Because financial resources are limited, applicants are encouraged to pursue these resources.
to seek out other sources of funding. To learn more about graduate scholarships, visit the Graduate School Web site: www.research.uky.edu/gs/StudentFunding/fellowships.html.

Advising
Advising in the School of Architecture is conducted through meetings with Student Services staff. The Student Services staff has knowledge of the College’s programs and is ready to help students navigate and build their educational plans.

CURRICULUM
The University’s UK Core requirements complement the architecture course work. This program comprises liberal arts and science courses required of all students at the University of Kentucky.

The School of Architecture in the College of Design administers the program curriculum, and the University of Kentucky Board of Trustees grants degrees. The curriculum consists of 133 credits for the undergraduate degree and 57 credits for the graduate degree for a total of 190 credits in six years.

The curriculum conforms to the following outline:

<table>
<thead>
<tr>
<th>Level</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.</td>
<td>30</td>
<td>Undergraduate UK Core requirements</td>
</tr>
<tr>
<td>I.</td>
<td>76</td>
<td>Core program requirements</td>
</tr>
<tr>
<td>II.</td>
<td>27</td>
<td>Undergraduate elective courses</td>
</tr>
<tr>
<td>IV.</td>
<td>33</td>
<td>Graduate core program requirements</td>
</tr>
<tr>
<td>V.</td>
<td>15</td>
<td>Advanced elective courses</td>
</tr>
<tr>
<td>VI.</td>
<td>9</td>
<td>Master’s Project</td>
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<tr>
<td></td>
<td></td>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
<td>190</td>
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</tbody>
</table>

The above distribution of credit assumes that the UK Core requirements in mathematics and a foreign language have already been met prior to admission to the program, an assumption supported by historical student data. It also assumes that the Humanities section is to be met by approved core program courses in the History and Theory of Architecture (ARC 212 and ARC 213).

Graduation Writing Requirement
Students satisfy the Graduation Writing Requirement with ARC 314, required in the Major Requirements.

Graduation Writing Requirement Hours: ...3

BACHELOR OF ARTS IN ARCHITECTURE
(Four-Year Program)

<table>
<thead>
<tr>
<th>YEARONE</th>
<th>Hours</th>
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<tr>
<td>ARC 101</td>
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<td>ARC 102</td>
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<tr>
<td>ARC 111</td>
<td>3</td>
</tr>
<tr>
<td>ARC 151</td>
<td>6</td>
</tr>
<tr>
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<tr>
<td>CIS/WRD</td>
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<td>UK Core</td>
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<td>Electives</td>
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YEAR TWO

<table>
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<td>ARC 212</td>
<td>3</td>
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<td>ARC 213</td>
<td>3</td>
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<td>ARC 231</td>
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<tr>
<td>UK Core</td>
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<tr>
<td>Electives</td>
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YEAR FOUR

<table>
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<tbody>
<tr>
<td>ARC 434</td>
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<tr>
<td>ARC 435</td>
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<td>ARC 456</td>
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<tr>
<td>ARC 511</td>
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<tr>
<td>UC Core</td>
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<tr>
<td>Electives</td>
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</table>

Off-campus studio is strongly recommended in the fourth year.

Four-Year Total Hours
UK Core .................................................. 30
Architecture Core requirements .................. 73
Electives .................................................. 30
Total Undergraduate .................................. 133

MASTER OF ARCHITECTURE
(Two-Year Program)

<table>
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<tr>
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<tr>
<td>ARC 511-515 History and Theory Seminar (only one required)</td>
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<tr>
<td>ARC 533 Structural Design and Analysis II</td>
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</tr>
<tr>
<td>ARC 631 Building Systems Integration</td>
<td>3</td>
</tr>
<tr>
<td>ARC 641 Professional Practice</td>
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</tr>
<tr>
<td>ARC 658 Design Studio VIII</td>
<td>6</td>
</tr>
<tr>
<td>ARC 659 Design Studio IX</td>
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<tr>
<td>Elective in Chosen Concentration</td>
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SUMMER

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<td>ARC 642 Professional Internship</td>
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YEAR SIX

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<tr>
<td>ARC 750 Design Studio X (Comprehensive Project)</td>
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<tr>
<td>*ARC Master’s Project in Chosen Concentration (ARC 709, 719, 729, 759, 769 et al.)</td>
<td>9</td>
</tr>
<tr>
<td>*Electives in Chosen Concentration</td>
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</tr>
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*The curriculum for each graduate concentration is listed on the Web in Appendix B at: http://architecture.uky.edu/curriculumproposalfinal/a/ WebPages/Table_of_Fields.html. A complete list of undergraduate and graduate courses follows on page 12 and ff.

Two-Year Total Hours
Architecture Core requirements .................. 33
Master’s Project ....................................... 9
Electives in Chosen Concentration .......... 15
Total Graduate ....................................... 57

For more information about the School of Architecture’s Master of Architecture degree, consult the UK Graduate School Bulletin, or the College of Design Web site at: www.uky.edu/design/index.php/info/category/architecture/

SCHOOL OF INTERIOR DESIGN
The School of Interior Design is the premier interior design program in the state of Kentucky. Graduates of the program practice across the United States and have been recognized at the highest level of the profession.

Through studio, classroom and real-world assignments, interior design students learn to solve complex organizational problems associated with work, place, experience, and performance. These professional skills prepare students to handle the aesthetic and technical aspects of projects, communicate with clients, and manage business and logistical requirements.

Students are also provided the opportunity to interact with regional, national and international design professionals through internships, study abroad experiences, lectures by noted speakers, and field experiences.
Graduates from the School of Interior Design begin their careers in a variety of settings including interior design firms, architecture firms, corporations, and public institutions. Students may also pursue graduate post-professional education in specialized areas of Interior Design.

Accreditation

The School of Interior Design is a professional degree program accredited by the Council for Interior Design Accreditation (CIDA). This accreditation ensures professional training for entry into the practice of interior design and the educational foundation that will allow for professional testing (NCIDQ), certification, or licensure at the individual state level.

BACHELOR OF ARTS IN INTERIOR DESIGN

In addition to UK Core requirements, Interior Design students must complete the following:

- 81 credit hours of major requirements
- 18 credit hours of professional support electives
- 3 hours of free electives
- electives required to meet minimum credit hour standard for graduation.

UNDERGRADUATE ADMISSION PROCEDURES

Admission into the Major

Students who want to major in Interior Design must first be admitted into the School of Interior Design.

Freshman Candidates

1. File a University application with the Office of Undergraduate Admissions and the University Registrar by February 1 for fall admission in the year which the student wants to begin the program. For fall admission, applicants must register for and take the American College Test (ACT) or Scholastic Aptitude Test (SAT) on or before the December test date.

2. Apply for admission to the School of Interior Design. The Major Admission Application Form and requirements are available on the college Web site at: www.uky.edu/design/index.php/info/category/admissions/.

3. Submit an essay as required by the Major Admission Application Form. The essay will require applicants to express in both written and visual format the rationale for their interest in the Interior Design profession and what steps they have taken to make an informed decision regarding their choice for a major.

4. The Major Admission Application Form with essay must be received on or before March 1 in the year the student wants to begin the program. Application should be sent to:

   Major Admissions
   Student Services
   College of Design
   School of Interior Design
   117 Pence Hall
   University of Kentucky
   Lexington, KY 40506-0041

Transfer Students without Interior Design Credit

Transfer candidates from educational programs other than interior design will be required to observe the same application process and deadlines as outlined for freshmen. Please note that the deadline is earlier than that for general admission of transfer students to the University.

Major Admission Selection Process

Candidates will be admitted to the major in order of priority based on demonstrated potential for academic achievement at the freshman level as indicated by high school grade-point average, ACT/SAT scores, and the required essay. Additional consideration will be given to the student’s demonstrated participation in curricular, service, or work activities that show evidence for potential development of characteristics that will assist them in succeeding in the profession. Acceptance will be on a comparative and competitive basis and limited to the number of students the School of Interior Design is able to accommodate in studio. Notification of acceptance in the major will permit registration into the freshman studio, ID 121, fall semester of the same year. Admission will not be deferred.

Transfer Students with Design Credit

Students who have university credit in design course work from an accredited professional program (CIDA, NAAB, etc.) who want to transfer into the School of Interior Design must make application for admission to the major. The application process includes:

1. File a University application with the Office of Undergraduate Admission and the University Registrar to be received by March 1 for fall admission. Request an official transcript of college course work to be received by University of Kentucky Admissions by April 1. Please note that this deadline is earlier than those for application to the University in general.

2. Submit a portfolio of student work completed in the university from which they are transferring. If the applicant wants the portfolio returned, the portfolio should be submitted with return packaging and mailing labels provided. The School of Interior Design will return the portfolio by C.O.D.

3. The Transfer Admission Application Form, portfolio, and transcript should be in one package, submitted no later than May 1 for fall term admission in the same year, and delivered to:

   Transfer Admissions
   Student Services
   College of Design
   School of Interior Design
   117 Pence Hall
   University of Kentucky
   Lexington, KY 40506-0041

Transfer Admission Selection Process

Admission into the Interior Design major will be dependent upon the applicant’s qualifications and preparation. The indication of general overall academic success (GPA), success in the Major requirements, and probability of success in a professional program as predicted by a review of the work submitted in the portfolio of student work will be evaluated. Since the number of students admitted will be limited, applicants will be examined on a comparative and competitive basis. Candidates will be admitted in order of priority. Admission for a specific semester will not be deferred.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities

ID 161 History and Theory of Interior Environments I .. 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from the following:
PSY 100 Introduction to Psychology ......................... 4
SOC 101 Introduction to Sociology ....................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from the following:
ANT 230 Introduction to Biological Anthropology .... 3
BIO 102 Human Ecology ............................................. 3
GEO 130 Earth’s Physical Environment ............... 3
GLY 110 Endangered Planet: An Introduction to Environmental Geology .... 3
GLY 120 Sustainable Planet: The Geology of Natural Resources ................. 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

VII. Quantitative Foundations

Choose one course from approved list ....................... 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list ..................... 3

IX. Community, Culture and Citizenship in the USA

PHI 335 The Individual and Society ....................... 3

X. Global Dynamics

Choose one course from the following:
ANT 160 Cultural Diversity in the Modern World ...... 3
ANT 225 Culture, Environment and Global Issues ...... 3
GEO 255 Geography of the Global Economy .......... 3
SOC 180 Societies in Global Perspective ................. 3

UK Core Hours .................................................. 30-31
Major Requirements

ID 101 Introduction to Interior Design .......................... 1
ID 102 The Interior Design Profession .......................... 1
ID 121 Interior Design, Planning and Programming I ................. 5
ID 122 Interior Design, Planning and Programming II ................ 5
ID 162 History and Theory of Interior Environments II ............... 3
ID 221 Interior Design Studio I ..................................... 5
ID 222 Interior Design Studio II ..................................... 5
ARC 111 Introduction to History and Theory ...................... 3
ID 234 Environmental Theory ........................................ 3
ID 263 Introduction to Digital Media ............................. 3
ID 264 Color Theory and Interior Space ........................... 3
ID 275 Interior Construction Systems ............................ 3
ID 321 Interior Design Integrated Studio (taken twice) .......... 10
ID 346 Professional Practice Preparation ......................... 3
ID 364 Interior Design Finish Materials .......................... 3
ID 365 Interior Design Finish Materials ......................... 3
ID 366 Lighting Design and Theory ............................... 3
ID 375 Interior Material and Construction: Detailing ............... 3
ID 421 Interior Design Senior Thesis I ........................... 5
ID 422 Interior Design Senior Thesis II .......................... 5
ID 466 Interior Design Professional Practice ..................... 3
CIS/WRD 110 Composition and Communication I ............. 3
CIS/WRD 111 Composition and Communication II ............ 3
UK Core – Creative and the Arts .................................... 3

Subtotal: Major hours: ................................................. 81

Professional Support Required Options

The following Professional Support groupings were established to introduce students to key influences on the interior design profession from a multidisciplinary perspective. Courses from all four professional support groups are essential in fulfilling CIDA requirements. Specific courses will be selected with the approval of the student’s faculty advisor.

Professional Support Group 1 – Workplace-Related Courses

Total of six (6) credit hours selected from SOC, PSY, COM, MKT, ECO.

Professional Support Group 2 – Global and Cultural Issues

Total of three (3) credit hours selected from SOC or ANT.

Professional Support Group 3 – Sustainability, Environmental, and Wellness Issues

Total of three (3) credit hours selected from ES, SOC, GEO, BIO, ANT.

Professional Support Group 4 – Design

Total of six (6) credit hours which may be fulfilled with any combination of elective or seminar courses from the College of Design.

Subtotal: Professional Support: ................................. 18

Total Minimum Hours Required for Degree ........................ 132

Interior Design Undergraduate Program Overview

Semester 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ID 121 Interior Design, Planning</td>
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<tr>
<td>and Programming I</td>
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</tr>
<tr>
<td>ID 101 Introduction to Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>of Interior Environments I</td>
<td></td>
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<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
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</tr>
<tr>
<td>UK Core – Creativity and the Arts</td>
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Semester 2

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<tr>
<td>and Programming II</td>
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</tr>
<tr>
<td>ID 102 The Interior Design Profession</td>
<td>1</td>
</tr>
<tr>
<td>of Interior Environments II</td>
<td></td>
</tr>
<tr>
<td>UK Core – Natural/Physical/Math Sciences</td>
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<td>UK Core – Global Dynamics</td>
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Semester 3

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Semester 4

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Semester 5

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<td>ID 364 Interior Design Finish Materials</td>
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<td>ID 366 Lighting Design and Theory</td>
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Semester 6

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<td>Professional Support</td>
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<td>Art History Course</td>
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<td>UK Core – U.S. Citizenship</td>
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Semester 7

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<td>3</td>
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<tr>
<td>Art History Course</td>
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</tr>
<tr>
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Semester 8

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<td>Professional Support</td>
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<td>Elective</td>
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</table>

Total Credit ................................................. 132
The College of Education prepares students for professional careers in the field of education and human services. In addition to producing excellent teachers, College of Education graduates have gone on to excel in numerous other professional fields.

Ninety-eight percent of the college faculty have attained the highest degrees possible in their fields. The College provides students with access to state-of-the-art technology. Each building is equipped with computer laboratories and new “smart” classrooms to keep students and faculty in pace with the latest technological advances in education.

Whether a student’s interest is teaching, administration, school or counseling psychology, coaching, or special education, a degree from the UK College of Education means that he/she will be prepared for a rewarding career and a lifetime of influence on the lives of others.

Educator Preparation at UK

The educator preparation unit of the University of Kentucky includes programs in the colleges of Agriculture, Communications and Information Studies, Education, Fine Arts, Health Sciences, and Social Work that prepare professionals for careers in public education. The dean of the College of Education is the chief educator preparation officer for the UK educator preparation unit.

The theme of the educator preparation unit is Research and Reflection for Learning and Leading. The vision of the unit is to become one of the nation’s 20 best public professional education units with emphasis on research, reflection, learning and leading.

The mission for the UK educator preparation unit is as follows: the Educator Preparation Unit at the University of Kentucky endeavors to expand the knowledge of teaching and learning processes across a broad educational spectrum. The unit fosters a culture of reflective practice and inquiry within a diverse community of students, faculty, and staff. As part of a research-extensive university, the unit prepares professionals for a variety of roles in educational settings and community agencies and provides leadership in the improvement of the education, health, and well being of citizens in the Commonwealth, the nation, and the world.

Accreditation

The Professional Education Unit for the University of Kentucky is accredited by the National Council for the Accreditation of Teacher Education (NCATE), and all professional educator programs are approved by the Kentucky Education Professional Standards Board (EPSB).

Relationship with the Kentucky EPSB

All University of Kentucky educator preparation programs, initial or advanced, have been approved by the Kentucky Education Professional Standards Board (EPSB), in accordance with Kentucky statutes and regulations. In addition to overseeing all educator preparation programs approved for operation in Kentucky, the EPSB also issues, renews and revokes all Kentucky educator licenses (certificates). Kentucky educator certification regulations are always in a state of change. For the most up-to-date information about educator certification, refer to the EPSB Web site at: www.kyepsb.net.

Financial Aid/Scholarships

The College of Education awards scholarships to both undergraduate and graduate students. Information and application forms are available in 166 Taylor Education Building. The deadline for scholarship applications is February 15. Graduate students should also contact the Director of Graduate Studies in their department for information about any targeted scholarship funds. Kentucky residents who are enrolled in a teacher certification program may also apply for funds from the Kentucky Higher Education Assistance Authority Teacher Scholarship program (KHEAA). Students applying for funds through the KHEAA teacher scholarship program must include a completed FAFSA need analysis data form with their applications. Funds are awarded first to students fully admitted to a teacher education program, in order of the greatest financial need. The College of Education also administers the Kentucky Minority Educator Recruitment and Retention scholarship program (MERR) for the Kentucky Department of Education. Minority students applying for MERR funds must be Kentucky residents. Both KHEAA and MERR teacher scholarships awards are forgivable on a semester by semester basis when the candidate teaches in Kentucky public schools. Award recipients who do not teach in Kentucky public schools must pay back the awards, with interest. KHEAA and MERR forms are available in 166 Taylor Education Building.

Undergraduate Programs in Education

The University of Kentucky grants the following degrees in the College of Education:

- Bachelor of Arts in Education
- Bachelor of Science in Education

Students pursuing one of the following majors earn a Bachelor of Arts in Education degree: early childhood education, middle school education, secondary education, or special education (learning and behavior disorders). Students selecting the major in secondary education may specialize in one of the following: English, mathematics, science (biology, chemistry, earth science, physical science or physics), or social studies.

Students pursuing health promotion, kinesiology (teacher certification or exercise science), special education (interdisciplinary early childhood education and moderate and severe disabilities) earn the Bachelor of Science in Education degree.

Persons holding a bachelor’s degree from a regionally accredited institution, with a minimum overall GPA of at least 2.50 may pursue initial educator preparation at the undergraduate level by following any of the certification programs described in this Bulletin. If these persons also wish to earn a UK bachelor’s degree, all UK degree requirements must be met. All educator preparation students at the University of Kentucky are expected to meet the requirements for “Admission, Retention and Exit from Teacher Education Programs” as described on pages 187-188 of this Bulletin.

Graduate Programs in Education

Graduate Degrees and Certificates

The University of Kentucky offers the following graduate degrees for education:

- Master of Arts in Education
- Master of Science (Kinesiology and Health Promotion)
- Master of Science in Education
- Master of Science in Family Studies (Early Childhood Education)
- Doctor of Education (Ed.D.)
- Doctor of Philosophy (Ph.D.)
- Interdisciplinary Doctor of Philosophy (Ph.D. in Education Sciences)
- Rank II (32 hour) and Rank I (30 hour) Programs in Professional Education
Graduate Programs Leading to Advanced Educator Licensure

The University of Kentucky offers graduate programs leading to advanced educator licensure in Reading and Writing, Computer Science in Instructional Systems Design, English as a Second Language, Library Science, Communication Disorders, School Psychology, and School Leadership.

UK Graduate Certificates

The University of Kentucky offers graduate certificates in Middle and Secondary Reading and in Distance Education. (Candidates must hold a valid teaching certificate to enter the Graduate Certificate Program in Middle and Secondary Reading.)

Graduate Programs Leading to Initial Educator Licensure

The following graduate level initial educator certification programs are available at the University of Kentucky: 1) stand-alone certification program in special education/learning and behavior disorders, grades P-12; 2) master of science program leading to certification in moderate/severe disabilities, grades P-12; 3) master of arts in education with initial certification in secondary education, grades 8-12, English, mathematics, science, (biology, chemistry, earth science, physical science or physics), social studies; 4) master of arts in education with initial certification, grades 5-12 in business and marketing education; 5) master of science in career and technical education with initial certification, grades 5-12 (options in agriculture education and family and consumer sciences education); 6) master of science in communication disorders with initial certification, grades P-12; and 7) certification program in school psychology, grades P-12.

For more information about programs, please visit the College of Education Web site at: www.uky.edu/education/.

Graduate Alternative Certification Programs Leading to Initial Educator Licensure

Graduate Alternative Certification Programs leading to initial educator licensure are offered in the areas of Moderate and Severe Disabilities P-12, Middle School Education 5-8, and Secondary Education 8-12. Students who wish to enroll in a Graduate Alternative Certification Program must be employed in one of the participating school districts, and must meet the College of Education Admission, Retention and Completion standards, and the standards of the UK Graduate School. Graduate Alternative Certification Programs are three-year programs, including the Kentucky Teacher Internship Program. Additional alternative certification programs are under development and may become available at any time. Contact the Office of the Associate Dean for Academic and Student Services for more information.

Special Facilities and Services

The Education Library provides a wide range of education materials, with over 400 journals and 100,000 books, plus children’s literature and Kentucky state-approved textbook collections. In addition, major education databases are available through the library’s Web site at: www.uky.edu/Libraries/educ/.

The College’s newly-formed Kentucky P20 Innovation Lab: A Partnership for Next Generation Learning gives students the chance to be part of transforming education to energize and empower today’s students, who were born into a digital age. The Innovation Lab charges college students to play an active role in creating pathways that will lead to a love of learning for generations to come.

The Center for Educator Preparation Information Systems provides database and information system support for the College of Education. In addition, persons associated with the center engage in projects to make information systems technology more accessible to educator preparation programs nationally and in the Commonwealth.

The Instructional Technology Center provides media services to students, faculty, and programs of the College of Education. Services include computer classrooms, computer hardware and software support, presentation technology, circulation of nonprint teaching materials and audiovisual equipment; a materials preparation laboratory; graphic, photographic, and recorded media; and facilities for working with films and electronic media. The staff is available to assist with a wide range of technology-related activities.

The Literacy Clinic provides diagnostic and instructional services. Reading and language arts materials, children’s literature, professional texts and journals, and other reference materials are available. Tutors are recommended, based on availability.

The Office of Diversity and Equity, 128 Taylor Education Building, (859) 257-1229, serves to “reach” minority students currently enrolled in the College, to become aware of their concerns, to provide needed support, and to encourage participation in activities and programs of particular interest to education majors. The office also works with local and adjacent school districts to implement Future Educators of America clubs, collaborates with Bluegrass Community and Technical College in identifying students who are interested in teaching, participates in campus-wide minority recruitment and retention activities, and builds community awareness of the need for minority teachers through participation in various projects.

The Institute on Education Reform coordinates the efforts of the College of Education to implement the Kentucky Education Reform Act (KERA). The Institute has three major goals: to stimulate research related to the implementation and effectiveness of KERA initiatives; to serve as a clearinghouse for information related to education reform in Kentucky; to provide staff development for teachers and administrators; and to redesign College of Education professional preparation programs to prepare graduates for the restructured schools of Kentucky.

The University of Kentucky Council on Economic Education works with classroom teachers to identify graduate courses, in-service programming, and seminars to help teachers integrate economic concepts into the school curriculum.

The Office of Educational Research and Development provides technical support to faculty and staff involved in research and proposal development, particularly as these enhance the College’s participation in the Kentucky Education Reform Act (KERA), assists in follow-up studies of graduates, and assists with internal studies and evaluations of programs.

The Policy Analysis Center for Kentucky Education (PACKE) conducts research on policy issues related to education and evaluates implemented policies and programs.

The Office of Higher Education Research and Development conducts research on questions on higher education that are important to Kentucky. Research results are shared with the Council on Postsecondary Education and other institutions in Kentucky.

The Biodynamics Laboratory is a multidisciplinary facility housed in the Center for Biomedical Engineering. Faculty and students from Kinesiology and Health Promotion, Biomedical Engineering, Sports Medicine, Athletic Training, Minimally Invasive Surgery, and other related fields use high-speed videography, electromyography, and force measures to understand human movement.

The Pediatrics Exercise Physiology (PEP) Laboratory is one of only a handful of facilities in the world designed specifically to serve the needs of pediatrics patients.

The UK Body Composition Core Laboratory (BCCL) is a human-based laboratory facility specifically designed to provide state-of-the-art body composition analysis for research and clinical investigations.

The Collaborative Center for Literacy Development (CCLD), 120 Quinton Court, Suite 200, was established by the Kentucky General Assembly in 1998 to make available training in literacy for educators and to promote literacy development. The Center focuses on six requirements laid out in Senate Bill 186, to: provide professional development and coaching for classroom teachers to implement reliable research-based reading models; establish a demonstration and training site for early literacy at each of Kentucky’s public universities; collaborate with public and private post-secondary institutions to provide quality pre-service and professional development in early reading instruction; assist
districts located in areas with low reading skills to assess and address identified literacy needs; identify models of reading instruction supported by research; and develop and implement a clearinghouse for information about reading models. The CCLD works to improve achievement for students pre-school through adulthood.

The School Psychology Clinic, 641 Maxwell Court, (859) 257-1381, provides diagnostic assessment, intervention and consultative services to assist children, adolescents, college students, and adult learners with psychological and educational concerns. The clinic is also organized to provide supervised training for graduate students in school psychology at the University of Kentucky. Referrals and requests for services are accepted from parents, teachers, counselors, and others, as well as from school systems, community agencies and organizations.

The Counseling Psychology Services Clinic, 251 Dickey Hall, (859) 257-4159, is operated by the Department of Educational, School, and Counseling Psychology. The CPS Clinic provides individual, couples, family, parent-child, and group counseling. Diverse populations are welcomed; personal, career, and interpersonal issues can be addressed. The CPS Clinic serves as a training facility for advanced-level masters and doctoral students who are supervised by licensed psychologists. Fees for the CPS Clinic operate on a sliding scale to allow the greatest number of individuals in Lexington and the surrounding counties to be served.

The Center for Traumatic Stress Research, 251 Dickey Hall, (859) 257-9338, is a multi-service psychological trauma center dedicated to providing specialized counseling services to trauma survivors. The Center offers short-term psychotherapy to individuals of all ages, critical incident stress debriefings, and assessment and evaluation of posttraumatic symptomatology for litigation and/or disability claims. The Center offers short-term psychotherapy to individuals of all ages, critical incident stress debriefings, and assessment and evaluation of posttraumatic symptomatology for litigation and/or disability claims. The Center also serves as a training clinic for graduate students in Counseling Psychology.

General Information

Students who wish to be recommended for any state educator licensure (certification) must meet the requirements of the Kentucky Education Professional Standards Board, and the University of Kentucky Senate.

Students desiring to be recommended for initial certificates in a major must be admitted to the Teacher Education Program associated with that major. The number of students admitted to any UK teacher education program each year depends upon the availability of resources for maintaining quality instruction.

Admission to a teacher education program is highly selective and may be competitive. Meeting minimum requirements for application does not guarantee admission. Students will be recommended for degrees only upon completion of approved degree programs. Students who have not been admitted to a teacher education program will not be permitted to enroll in courses requiring Teacher Education Program admittance.

ADMISSION, RETENTION AND EXIT FROM TEACHER EDUCATION PROGRAMS

A student must be admitted, retained in, and successfully exit from a state-approved teacher education program in order to receive a teaching certificate. The components of an approved teacher preparation program include: 1) an earned bachelor’s degree from a regionally accredited institution of higher education, 2) completion of approved teaching subject matter field(s), 3) successful completion of state mandated testing, 4) completion of a teacher preparation program, including student teaching, and 5) verification by program faculty that all applicable standards have been met.

The College of Education Certification Program Faculties, the College of Education Director of Academic Services and Teacher Certification, and the University Registrar are charged with the responsibility to monitor a student’s progress through the teacher preparation program, and to recommend to the Kentucky Education Professional Standards Board (EPSB) that a successful candidate be awarded a state teaching license (certificate).

Continuous Assessment in Teacher Education Programs

A student’s progress throughout teacher preparation programs is continuously monitored, assessed, and reviewed. In addition to typical evaluation processes that occur as part of their course work and field placements, students will be assessed a minimum of three times during their program by representatives of their respective program faculty.

The three assessments will occur upon entry into the Teacher Education Program, at a midpoint in the program (no later than the semester prior to student teaching), and as students exit the program following student teaching. Assessments will include, but are not limited to: (a) appropriate scores on approved standardized tests, (b) review of grades via inspection of transcript, (c) personal and professional skills assessed during interviews with program faculty when taking campus based courses, and during field experiences, (d) portfolio documents, and (e) continued adherence to the Kentucky Professional Code of Ethics.

Following admission to a Teacher Education Program, if problems have been identified at any assessment point, program faculty will determine a plan for addressing the problems and implement the plan including feedback and direction to the student. In addition, if specific strengths are recognized during these assessments, the student will be commended.

Standards for Admission to a Teacher Education Program

1. Candidates for admission must have completed at least 60 semester hours, or, if pursuing initial certification as a post-baccalaureate graduate or graduate student, must have earned a bachelor’s degree from a regionally accredited institution of higher education. Early Elementary Education majors may apply to the Teacher Education Program after completing 45 hours.

2. Candidates for admission must demonstrate academic achievement by earning a minimum overall GPA of 2.50. In addition, post-baccalaureate graduate and graduate level students must demonstrate a minimum 2.50 GPA in the teaching subject matter field(s). Students seeking admission to a Master’s Degree initial certification program must also satisfy UK Graduate School admissions standards.

3. Candidates for admission must certify their knowledge of the Kentucky Professional Code of Ethics and must sign a state mandated character and fitness review.

4. Candidates for admission must demonstrate aptitude for teaching by presenting three letters of recommendation from individuals who can attest to the candidate’s potential success in teaching.

5. Candidates must present an Admissions Portfolio. Although the contents of the portfolio will vary by program, it will include at least the following: “best piece” sample(s) of writing in the subject matter field(s); evidence of experience with students and/or community; and a written autobiography or resume.

6. Candidates for admission must demonstrate an acceptable level of skills in written communication. This will be assessed through an on-demand writing task at the time of the interview. In lieu of an on-demand task, program faculty may require that the candidate demonstrate having earned a minimum grade of B in a college-level written composition course.

7. Candidates for admission must demonstrate an acceptable level of skills in oral communication. This will be assessed by the program faculty at the time of the admissions interview. In lieu of assessing oral communication skills at the time of the interview, the program faculty may require that students have earned at least a B in a college level public speaking course.

8. Candidates for admission must present acceptable scores on one of the following standardized tests:

- ACT — with minimum composite score of 21.
SAT – minimum composite score of 1500 required for tests taken after March 2005. Prior to March 2005, 990 (combination of Verbal and Quantitative). A minimum grade of B on a college level written composition course must accompany the SAT scores. Composition courses normally used to fulfill this requirement include ENG 101, ENG 102, ENG 104, ENG 105, ENG 305, or an equivalent course from another institution. Advanced Placement English used to fulfill the UK Core writing requirement may also be used.

GRE – Applicants whose GRE scores reflect the new Analytic Writing test must have at least a combined score of 800 on the Verbal and Quantitative portions of the GRE, in conjunction with an Analytic Writing score of 4. For prior version of GRE, minimum composite score of 1200 (combination of Verbal, Quantitative, Analytic). A minimum grade of B on a college level written composition course must accompany the GRE scores. Composition courses normally used to fulfill this requirement include ENG 101, ENG 102, ENG 104, ENG 105, ENG 305, or an equivalent course from another institution. Advanced Placement English used to fulfill the UK Core writing requirement may also be used.

PRAXIS I Reading Test – (173 paper or 320 computer), Mathematics (173 paper, 318 computer), and Writing (172 paper, 318 computer).

Rules which accompany the standardized testing requirements are as follows:

- No standardized test scores older than eight years can be used to meet this requirement.

- GRE scores may be used only by students who hold a bachelor’s degree.

- Students may retake subtests in multi-part tests.

- Students seeking entrance to a graduate degree initial certification program must meet both the graduate school rules regarding the GRE, and College of Education rules for certificate program standardized testing.

- For those programs requiring EDP 202 as a prerequisite for admission to teacher education, students must complete EDP 202 with a grade of C or better.

Retention of Candidates in Teacher Education Programs

The progress of candidates who have been admitted to a teacher education program is continuously monitored. Some of the items which are monitored are: (a) whether a student continues to earn grades of C or better in professional education classes, (b) whether a student continues to maintain 2.50 minimum GPAs overall, 2.50 in the professional education component as defined in the student’s program description, and 2.50 in all required subject areas, (c) whether a student continues to demonstrate adherence to the EPSB Professional Code of Ethics, and (d) whether adequate progress is being made in building the Working Portfolio.

If problems are identified, program faculty will determine a plan for addressing the problems and implement the plan including feedback and direction to the student.

Prior to the student teaching semester, each candidate will be asked to provide evidence in the form of the Working Portfolio to demonstrate the acquisition of skills related to teaching in the chosen subject field, and to document progress in any identified problem areas. Each candidate’s portfolio will be reviewed by the appropriate program faculty, and continued progress through the program will be contingent on the results of this midpoint review.

Admission to student teaching requires a successful retention review and recommendation by the program faculty that the candidate be allowed to student teach.

All teacher certification candidates are encouraged to complete the required state-mandated examinations prior to beginning student teaching.

Exit from Teacher Certification Programs

All candidates for completion of a teacher education program must continue to meet all standards for admission and retention at the time of exit.

At exit all teacher certification candidates must present an Exit Portfolio for review by the appropriate program faculty. The exit portfolio will be organized by Kentucky New Teacher Standards and will include a mix of items selected by the candidate and required by the particular program faculty.

The program faculty must certify that a review of the Exit Portfolio, and other pertinent documents has demonstrated that the candidate has met all of the Kentucky New Teacher Standards as a prerequisite to recommending the candidate for a teaching license.

Prior to exit from the teacher certification program all candidates must achieve required cut-off scores on all Kentucky state mandated teacher certification tests.

State Mandated Testing and the Kentucky Teacher Internship

Successful completion of the examinations required by the Kentucky Education Professional Standards Board is a precondition for the granting of a teaching license (certificate).

Upon being recommended by the College of Education for a Kentucky Teaching License (Certificate), a candidate will be issued a Kentucky Letter of Eligibility for the Kentucky Teacher Internship Program. Upon employment in a Kentucky P-12 school, the candidate will receive a one-year license to practice as a fully qualified intern teacher. After successfully completing the internship year, the candidate will be eligible for a regular Kentucky Professional Teaching License (Certificate). An exception to this rule are the Kentucky Alternative Certification Programs. In these programs, the Kentucky Teacher Internship is part of the program, which allows candidates, upon completion of the program, to be recommended for a full professional educator license (certificate).

Information concerning licensure in other states is available from the College of Education office of Academic Services and Teacher Certification.

Admission and Graduation for Secondary Education Students Not Seeking Admission to a Teacher Certification Program

1. All students pursuing a secondary education major without teacher certification must be admitted to advanced standing as described in items 2 - 4 below.

2. To be admitted to advanced standing, a student must have completed at least 60 semester hours.

3. Students must demonstrate academic achievement by earning a minimum overall GPA of 2.50 at the time of applying for advanced standing. At the time of graduation, students must demonstrate not only a minimum overall GPA of 2.50, but also a minimum GPA of 2.50 in the teaching subject matter field(s).

4. All requests for admission to advanced standing must be reviewed by appropriate faculty advisors. Students not recommended for advanced standing by an appropriate advisor are ineligible to continue in or graduate from College of Education programs.

Calculation of GPAs for Admission to Initial Certification Programs

GPA Rules

All candidates for admission to a UK initial teacher certification program must have earned an undergraduate cumulative GPA of at least 2.50.

In addition, candidates for admission to a graduate level initial certification program, i.e., secondary programs, career and technical education, must have earned in their subject area fields a GPA of at least 2.50.

Master’s degree initial certification programs require a cumulative GPA of 3.0 for all graduate work prior to admission to the program.

UK cumulative GPAs are figured using the rules of the UK Registrar.
Undergraduate initial certification programs require a UK cumulative GPA of 2.50 calculated after the completion of at least twelve semester credit hours.

All courses used to satisfy subject matter certification requirements are used to calculate subject matter GPAs. Verification of subject matter GPAs require the use of any applicable non-UK transcripts for information about grades, credit hours and quality points.

Master’s degree initial certification programs require an undergraduate degree with an overall GPA of 2.50, but do not require a UK cumulative GPA prior to admission.

Post bachelor’s degree initial certification programs require an undergraduate degree with an overall GPA of 2.50, but do not require a UK cumulative GPA prior to admission.

Determination of GPAs for Admission to Initial Certification Programs

If the initial certification program requires a UK GPA, the GPA would be calculated using the rules of the UK Registrar.

If the initial certification program does not require a UK GPA, the required cumulative GPA of at least 2.50 is taken directly from the transcript that shows the award of the Bachelor’s degree.

If an initial program requires review of the graduate GPA, all graduate courses taken on all transcripts are used to calculate the graduate GPA of at least 3.0.

Candidates for admission to a post-baccalaureate graduate initial certification program with less than a 2.50 cumulative GPA may establish a UK undergraduate GPA for the purposes of admission to the program.

Subject area GPAs are calculated using all courses included on the candidate’s approved subject area course listing form.

Questions regarding the College of Education Admission/Retention/Exit policy should be directed to:

Office of Academic Services and Teacher Certification
166 Taylor Education Building
University of Kentucky
Lexington, KY 40506-0001
(859) 257-7971
www.uky.edu/education/

General Rules for Student Teaching

A student may enroll in student teaching in one of the educator preparation programs provided he or she has:

1. been admitted to and retained in the appropriate teacher education program;
2. maintained a grade-point standing of at least 2.50 in (a) subject matter area(s) as defined by the program, (b) professional education, (c) related studies, and (d) overall;
3. completed all professional education courses except student teaching;
4. completed a minimum of 75 percent of the required subject matter courses;
5. applied and been accepted for student teaching two semesters prior to the one in which student teaching is to be done;
6. completed the required national and state criminal background check with no criminal background identified;
7. been accepted by the school system and supervising teacher where he or she plans to do student teaching;
8. scheduled no more than 3 hours of college work to be carried during student teaching with no classes scheduled to interfere with the student teaching assignment; and,
9. presented evidence of having had a specified physical examination.
10. P-12 certification programs require student teaching in more than one grade level.

Policy on Intensive Field Experiences

The University of Kentucky College of Education is committed to preparing candidates for the teaching profession who are effective, reflective decision-makers. To that end, and in order to meet state certification regulations and national accreditation requirements, teacher candidates complete an array of carefully planned field experiences. These experiences are systematically integrated into the teacher education program curriculum.

In order to ensure high-quality experiences, the College has established a network of clinical sites where candidates complete field placements. These sites are part of the university’s extended campus known as the university clinical/field network. Sites are selected at the program level (i.e., by the program faculty that governs the curriculum for the particular certification area). Selection decisions are made using specific criteria that are directly linked to program goals, accreditation standards, and certification requirements.

All teacher candidates are expected to complete their intensive field experiences (referred to as practicum and student teaching) in these approved clinical sites.

Character and Fitness Reviews

All students seeking admission to, retention in, or completion of a UK educator preparation program, must complete a state mandated character and fitness review. In addition, students with records of misconduct beyond simple traffic violations must provide complete documentation of this misconduct utilizing written procedures available in the office of Academic Services and Teacher Certification. Records of misconduct will be available for use by program faculties in making decisions about admission, retention and completion of the program. Students must also complete any state-mandated background checks, which may include a national check of FBI records. By Kentucky statute, persons with records of serious legal misconduct are ineligible for student teaching, state teaching licensure, or employment in the public schools. Students are responsible for completing all required background check procedures in a timely manner so that decisions about their movement through the program may be made.

Appeals

Candidates who are denied admission to an educator certification program, not retained in the program, or denied completion of the program, may appeal the decision of the program faculty.

The first appeal is for the program faculty to reconsider its initial decision. Candidates must request a reconsideration within 30 days of the date on the letter of denial. The request for reconsideration must be presented to the program faculty chair, who will call a meeting of the program faculty to review the original decision. The program faculty chair will notify the Director of Academic Services and Teacher Certification of the faculty’s decision, and the Director will notify the candidate in writing.

If the program faculty does not alter its initial decision, the candidate may appeal to the College of Education standing committee on Undergraduate Admissions and Standards or the College of Education standing committee on Graduate Admissions and Standards. Candidates wishing to appeal to one of these admissions and standards committees must present their request for committee review to either the Associate Dean for Academic and Student Services or the Associate Dean for Research and Graduate Studies. The Associate Dean will assemble the necessary materials, call the committee together to hear the appeal, and inform the candidate of the committee’s decision. The Associate Dean will also notify the Director of Academic Services and Teacher Certification so that student records may be updated. For purposes of admission, retention or completion of educator certification programs, the decision of the admissions and standards committee is final.

Standards and Standards Sets in Educator Preparation Programs

All College of Education programs are standards-based, requiring candidates to meet these standards before completing an educator preparation program. Candidates are assessed on these standards at the three continuous assessment points: admission to the program, prior to final practicum experiences, and at program completion.

There are three core sets of standards required for completion of all College of Education educator preparation programs. They are: Interdisciplinary Early Childhood Education Standards
(IECE), New Teacher Standards (IECE), or Administrator Standards (ISLLC) (whichever is appropriate for the candidate’s program). For brevity, only the IECE and NTS standards sets are included in this section. Candidates should see their program faculty chairpersons concerning the standards that are applicable to their particular program.

Interdisciplinary Early Childhood Education Birth to Primary Standards (IECE)
1. Designs/plans instruction
2. Creates/maintains environments
3. Implements instruction
4. Assesses and communicates learning results
5. Reflects/evaluates professional practices
6. Collaborates with colleagues/families/others
7. Engages in professional development
8. Supports families
9. Demonstrates implementation of technology

Beginning (New) Teacher Standards (NTS)
1. Designs/plans instruction
2. Creates/maintains learning climates
3. Implements manages instruction
4. Assesses and communicates learning results
5. Reflects/evaluates teaching/learning
6. Collaborates with colleagues/parents/others
7. Engages in professional development
8. Supports families
9. Demonstrates implementation of technology

Graduation Requirements
To graduate from the College of Education, a student must: 1) complete all specific program requirements as listed in this Bulletin; and 2) meet all requirements of the College of Education admission/retention/exit policy.

Because most students are pursuing both a UK degree and a state educator license (certificate), it is extremely important that advisors are consulted frequently to be sure that the best selection of courses is made to meet both requirements.

Undergraduate Advising
Lower-division advising (freshman and sophomore standing) is accomplished and coordinated through Academic Services and Teacher Certification, 166 Taylor Education Building. (Kinesiology and Health Promotion advising takes place in the Seaton Center.)

Upper-division students (junior and senior standing) and students admitted to a teacher education program are assigned faculty advisors.

Departments in the College of Education
Curriculum and Instruction
The Department of Curriculum and Instruction offers both undergraduate and graduate programs. Undergraduate programs prepare teachers for elementary, middle school, and secondary levels. Graduate programs include: advanced degrees in teaching at elementary, middle, and secondary levels; preparation for teaching at the college/ university level; and preparation for instructional design roles in business and industry.
and advanced courses in many of the activities are offered.

The kinesiology program is designed for students interested in teaching as well those interested in the application of knowledge and skills in kinesiology and health promotion in commercial settings. Students desiring teacher certification will complete one or more of the programs in kinesiology and health promotion described in this Bulletin. The department offers a non-teacher certification kinesiology program in exercise science.

The purpose of health promotion is to promote quality of life for all people. This area of study is interdisciplinary, extending into biology, psychology, sociology, and medicine. Health promotion generally focuses on the whole individual, including social and emotional dimensions, not just the physical. The primary focus of course work in health promotion is on teacher certification. Opportunities for health educators exist in community agencies, adult fitness programs, and health education programs in industry and business. The department offers a minor in health promotion that does not lead to teacher certification.

Special Education and Rehabilitation Counseling

The Department of Special Education and Rehabilitation Counseling offers three different programs of study at the undergraduate level: (1) interdisciplinary early childhood education; (2) learning and behavior disorders; and (3) moderate/severe disabilities.

The department offers graduate level programs leading to initial educator certification in learning and behavior disorders, moderate/severe disabilities, and interdisciplinary early childhood education. Students may also pursue the masters degree in rehabilitation counseling, and graduate advanced preparation in a variety of special education topics.

DEGREE PROGRAMS IN THE COLLEGE OF EDUCATION

B.A. in Education with a major in EARLY ELEMENTARY EDUCATION

Requirements for Program

The Early Elementary Education Program is aligned with the New Teacher Standards of the Kentucky Education Professional Standards Board, and the national standards for elementary education approved by the National Council for the Accreditation of Teacher Education.

The model for the early elementary education program presumes a collaborative relationship between school and university personnel focused on ensuring a high level of individual attention to the mentoring and socialization of teacher candidates. The faculty recognizes that this is a labor-intensive process, requiring sustained time and effort by all parties. Work in early elementary education must be guided by two principles: first, a commitment to continuous improvement based on reflection, evaluation, and on-going research; second, a commitment to peer collaboration as a source of professional growth for teacher candidates as well as school and university faculty.

To receive the B.A. degree in Early Elementary Education, students must: (1) complete the UK Core requirements; (2) complete the program related studies courses; and (3) complete the professional education component.

Continuous Assessment

1. Admission to the program is based on a selective admission process that generally occurs after students have completed 60 hours of university course work. All students are expected to meet the standards and rules for Admission, Retention and Exit from the Teacher Education Program as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. Assessment at the Point of Entry to the Early Elementary Education Program. At the point of entry students must present an admission portfolio which includes the following: a) a “best piece” sample of writing which demonstrates ability to research a topic in some depth; b) evidence of multicultural/cross-cultural experience with written reflection on the experience; c) evidence of having completed 30 hours of community service with early elementary age children, including a written reflection on the experience; d) evidence of having completed 20 clock hours of field experience in an elementary school, supervised by a qualified person; and, e) a written autobiography. Also at the time of entry, students will be required to complete an on-demand writing task.

3. On-Going Assessment: Assessment During the Professional Introduction Semester. Assessment of progress in the Professional Introduction semester includes assessment strategies specific to individual courses, but also includes an overall “Professional Introduction Portfolio.” This portfolio is intended to be an extension of the admissions portfolio, adding the following exhibits: a) philosophy of education statement (this will be modified as candidates move through the program); b) “best piece” samples from course work that show evidence of content knowledge, pedagogical content knowledge, and effective practice (given the students’ level of experience); and c) evidence of competence in instructional applications of technology and systems of information management.

4. Assessment of Progress in the Professional Block. This includes assessment strategies specific to individual methods courses that confirm content as well as pedagogical knowledge. It also includes some additional assessments. At the beginning of the semester, students’ Professional Introduction Portfolios are reviewed and placement needs are discussed. Once the semester begins, students are observed throughout the semester by their supervisor and are assessed using an observation form which directly reflects the New Teacher Standards. Students also submit videotapes of themselves teaching and an analysis of these as well as other lessons they have taught. The supervisors provide feedback on these lessons as well. The faculty also reviews students’ Professional Development Plans. Each student develops a Professional Development Plan (PDP) in cooperation with UK faculty and school-based faculty. The PDP includes reflections on the student’s strengths and areas that need further work. This document serves as a planning tool for student teaching. Students also continue the development of their teaching portfolio, adding information that demonstrates competence on tasks related to the New Teacher Standards for each Professional Block course.

5. Assessment During the Student Teaching Semester. Students are assessed in a variety of ways during this semester. Student assignments include: observations reports, developing a thematic unit, critiquing their own teaching using videotapes, completing two solo weeks, and further developing their teaching portfolios.

Statement on Student Teaching

Students in the early elementary education program complete 16 weeks of student teaching, concentrating on the ages in grades P-5. (See the section on “Student Teaching” on page 189 for additional information on student teaching.)

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to develop the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
    Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list ............................. 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II
    CIS/WRD 111 Composition and Communication II ........... 3

VII. Quantitative Foundations
    MA 111 Introduction to Contemporary Mathematics .......... 3
College of Education

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list 3

X. Global Dynamics
Choose one course from approved list 3

UK Core Hours 30

Program Related Studies (47 hours)
A-E 200 Workshop in Design Education for Elementary Teachers 3
MUS 266 Teaching Music in Elementary Grades 3
MA 201 Mathematics for Elementary Teachers 3
MA 202 Mathematics for Elementary Teachers 3
PSY 100 Introduction to Psychology 4
GLY 160 Geology for Teachers 3
PHY 160 Physics and Astronomy for Teachers 3
BIO 103 Basic Ideas of Biology 3
BIO 111 General Biology Laboratory 1

HIS 104 A History of Europe through the Middle Seventeenth Century and HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present

OR
HIS 108 History of the United States Through 1876 and HIS 109 History of the United States Since 1877 6

Choose one of the following courses:
HIS 580, PS 456G, APP 200, GEO 322, HIS 240 3
LIS 510 Children’s Literature and Related Materials or alternative (e.g., lower-division equivalent from community college) 3

Select two courses from the following:
MA 310, MA 241, EDC 334, ENG 205, ENG 207, ENG 211, ENG 230, ENG 231, ENG 232, ENG 233, ENG 234, ENG 261, ENG 262, ENG 264, ENG 281, EDC/ENG 509 6

Free Elective 3

Professional Education Requirements (48 hours)

All of the following courses require admission to the Teacher Education Program:
*EDP 202 Human Development and Learning 3
*EPE 301 Education in American Culture 3
KHP 380 Health Education in the Elementary School 2
KHP 382 Physical Education for Elementary School Teachers 2
EDC 329 Teaching Reading and Language Arts 3
EDP 303 Teaching Exceptional Learners in the Elementary Classroom 2
EDC 323 Classroom Management and Discipline 3
EDC 322 Elementary Practicum 3
EDC 326 Teaching Social Studies in the Elementary School 3
EDC 328 Teaching Science in the Elementary School 3
EDC 337 Teaching Mathematics in Elementary Schools 3
EDC 339 Designing a Reading and Language Arts Program for the Elementary School 3
EDC 317 Instructional Media 1
EDS 447 Strategies for Including Students with Disabilities in the Elementary Classroom 2
EDC 433 Student Teaching in the Elementary School 12

*Students beginning their work in a public Kentucky community college may complete EDP 202 and a lower-division equivalent of EPE 301 before applying for admission to the Teacher Education Program at UK.

Electives
Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS 120

B.S. in Education with a major in HEALTH PROMOTION (Teacher Certification Program)

Requirements for Program

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. These programs support the UK educator preparation unit’s theme of Research and Reflection for Learning and Leading. The process of reflective decision-making is imbedded in the departmental philosophy that students learn best through experiencing. The Health Promotion Program is guided by the standards of the American Association of Health Education (AAHE) and the Kentucky New Teacher Standards.

The health promotion program ensures an understanding of and knowledge about the structure of the health promotion discipline through the content and methodology courses in sexuality education, drug education, human health and wellness, nutrition, and program planning in health education. The purpose of health promotion is to promote quality of life for all people. This area of study is interdisciplinary, extending into biology, psychology, sociology, and medicine. Health promotion generally focuses on the whole individual, including social and emotional dimensions, not just the physical.

The B.S. in Health Promotion requires completion of the following: (1) the UK Core requirements; (2) specified course work in Program Related Studies and Professional Education; and (3) the health promotion major. Students wishing to pursue certification both in health and kinesiology must follow the kinesiology program description.

Continuous Assessment

1. All students in the health promotion program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. The health promotion program stimulates higher performance goals for high-performing students by offering several modes of performance. Examples are: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills demonstrated by high-performing students who serve as class leaders, peer tutors, and/or assistant instructors.

3. After admittance to the program, students not only must maintain a 2.50 GPA, they must continue to exhibit desirable professional characteristics to remain in the program. Students who demonstrate a lack of commitment, effort, professional behavior, knowledge, or teaching skills may be removed from the program until these characteristics are demonstrated.

Statement on Student Teaching

Students who are majoring in Health Promotion will enroll in:
KHP 371 Student Teaching in Health Education 12

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences
SOC 101 Introduction to Sociology 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
BIO 103 Basic Ideas of Biology 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations
Choose one course from approved list 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list 3

X. Global Dynamics
Choose one course from approved list 3

UK Core Hours 30

Program Related Studies Course Sequence (19 hours)

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<thead>
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<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC 202 Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDC 203 Teaching Exceptional Learners in Regular Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EPE 301 Education in American Culture</td>
<td>4</td>
</tr>
<tr>
<td>SOC 101 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 102 Human Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 103 Basic Ideas of Biology</td>
<td>3</td>
</tr>
<tr>
<td>PGY 206 Elementary Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ANA 209 Principles of Human Anatomy</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Education Course Sequence (25 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 202 Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDP 203 Teaching Exceptional Learners in Regular Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EPE 301 Education in American Culture</td>
<td>3</td>
</tr>
<tr>
<td>*EDC 317 Instructional Media</td>
<td>1</td>
</tr>
<tr>
<td>*KHP 430 Methods of Teaching Health Education</td>
<td>3</td>
</tr>
<tr>
<td>*KHP 371 Student Teaching in Health Education</td>
<td>12</td>
</tr>
</tbody>
</table>

*These courses require admission to the Teacher Education Program.
Major in Health Promotion (30 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KHP 190</td>
<td>First Aid and Emergency Care</td>
<td>2</td>
</tr>
<tr>
<td>KHP 220</td>
<td>Sexuality Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 222</td>
<td>Drug Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 230</td>
<td>Human Health and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>KHP 330</td>
<td>Planning and Implementing</td>
<td></td>
</tr>
<tr>
<td>Health Education Programs</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>KHP 420</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>KHP 445</td>
<td>Introduction to Tests and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>KHP 509</td>
<td>Workshop in Health and Safety</td>
<td>3</td>
</tr>
<tr>
<td>NFS 101</td>
<td>Human Nutrition and Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose at least six hours from the following courses:

- KHP 240 Nutrition and Physical Fitness: 3 hours
- KHP 395 Independent Study in Kinesiology and Health Promotion: 3 hours
- *KHP 509 Workshop in Health and Safety: 1-3 hours*
- BSC 331 Behavioral Factors in Health and Disease: 3 hours
- FAM 252 Introduction to Family Science: 3 hours
- HSM 250 Introductory Epidemiology: 3 hours

*May be repeated under different topic names for up to three credit hours.

Electives

- Other health related elective courses from the approved list.
- Choose at least six hours from the following courses:
  - KHP 395 Independent Study in Kinesiology and Health Promotion: 3 hours
  - KHP 509 Workshop in Health and Safety: 1-3 hours
  - KHP 535 School Health Dilemmas of Special Populations: 3 hours
  - BSC 331 Behavioral Factors in Health and Disease: 3 hours
  - FAM 252 Introduction to Family Science: 3 hours
  - HSM 250 Introductory Epidemiology: 3 hours

Other health related elective courses that may be selected with permission of the Health Promotion faculty and must be relevant to the student's professional preparation program.

Minor in Health Promotion (24 hours) (not for teacher certification)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KHP 190</td>
<td>First Aid and Emergency Care</td>
<td>2</td>
</tr>
<tr>
<td>KHP 220</td>
<td>Sexuality Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 222</td>
<td>Drug Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 230</td>
<td>Human Health and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>KHP 330</td>
<td>Planning and Implementing</td>
<td></td>
</tr>
<tr>
<td>Health Education Programs</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>KHP 445</td>
<td>Introduction to Tests and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>NFS 101</td>
<td>Human Nutrition and Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose at least six hours from the following electives:

- KHP 395 Independent Study in Kinesiology and Health Promotion: 3 hours
- KHP 509 Workshop in Health and Safety: 1-3 hours
- KHP 555 School Health Dilemmas of Special Populations: 3 hours
- BSC 331 Behavioral Factors in Health and Disease: 3 hours
- FAM 252 Introduction to Family Science: 3 hours
- HSM 250 Introductory Epidemiology: 3 hours

Other health related elective courses that may be selected with permission of the Health Promotion faculty and must be relevant to the student’s professional preparation program.

Electives

- Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS: 120

B.S. in Education with a major in INTERDISCIPLINARY EARLY CHILDHOOD EDUCATION

Requirements for Program

Early Childhood Education is an interdisciplinary program which prepares educators to work with children birth through age five, in public pre-primary classes and non-public institutions including day care, private preschool, and private kindergarten. The program is approved by the Kentucky Education Professional Standards Board to prepare graduates to seek a state teaching certificate in Interdisciplinary Early Childhood Education.

The faculty of the Interdisciplinary Early Childhood Education program is associated with the Department of Special Education and Rehabilitation Counseling. The faculty believe that teaching young children involves viewing children holistically, using structured behavioral approaches. They recognize that viewing children holistically requires considering all of the various settings of children’s environment (e.g., home, school, and neighborhood) as well as the reciprocal relationship between any two of the following variables: the immediate context the child is active in, the individual child, and all aspects of the child’s environment (including people). In the Interdisciplinary Early Childhood Education program, students will learn to apply behavioral principles for purposes of developing curricula, assessing child behavior, planning, implementing, and monitoring interventions, and assisting families. The program is guided by the standards of the National Association for the Education of Young Children, and the Division of Early Childhood of the Council for Exceptional Children.

To receive the B.S. degree in Education with a major in Interdisciplinary Early Childhood Education, students must: (1) complete the UK Core requirements; (2) complete the premajor requirements; and (3) complete requirements for the Interdisciplinary Early Childhood Education major, including required student teaching experiences and other practica. To be state-certified, candidates must also successfully complete all state-mandated testing requirements.

Continuous Assessment

1. All students in the interdisciplinary early childhood education program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. Assessment at the Point of Entry to the IECE Program. The admission process provides the first point for formal assessment of the competencies outlined in the Initial Certification Program Folio for the program. Students who apply for admission must (a) meet the require-
**College of Education**

### VIII. Statistical Inferential Reasoning

STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .......................... 3

### IX. Community, Culture and Citizenship in the USA

Choose one course from approved list .................................. 3

### X. Global Dynamics

Choose one course from approved list .................................. 3

**UK Core Hours** .......................................................... 30

**Premajor Requirements**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 102</td>
<td>Human Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Basic Ideas of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 111</td>
<td>General Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HIS 104</td>
<td>A History of Europe through the Mid-Seventeenth Century</td>
<td></td>
</tr>
<tr>
<td>HIS 105</td>
<td>A History of Europe from the Mid-Seventeenth Century to the Present</td>
<td></td>
</tr>
<tr>
<td>HIS 108</td>
<td>History of the United States Through 1876</td>
<td>6</td>
</tr>
<tr>
<td>HIS 109</td>
<td>History of the United States Since 1877</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: Premajor Hours** ........................................... 23

All students in Interdisciplinary Early Childhood Education must apply, and be admitted to, and be retained in a Teacher Education Program (TEP), and complete a state approved university teacher training program in Early Childhood Education to be able to apply for certification. Students who are interested in certification in Early Childhood Education need to meet with a certification officer in the College of Education prior to completing 60 semester hours to discuss state certification and TEP requirements. A minimum 2.5 cumulative GPA is required to be eligible to apply for admission to TEP. TEP applications will be reviewed for students who have completed, or will complete during the semester in which they apply, 60 semester hours, including EDP 202, EDS 375, FAM 255, and FAM 256 with a grade of C or better.

### Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>IEC 255</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>IEC 256</td>
<td>Guidance Strategies for Working with Young Children</td>
<td>3</td>
</tr>
<tr>
<td>IEC 557</td>
<td>Infant Development</td>
<td>3</td>
</tr>
<tr>
<td>EPE 301</td>
<td>Education in American Culture</td>
<td></td>
</tr>
<tr>
<td>or FAM 544</td>
<td>Cultural Diversity in American Children and Families</td>
<td></td>
</tr>
<tr>
<td>or Cultural Diversity Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IEC 260</td>
<td>Curriculum Planning in Interdisciplinary Early Childhood Education</td>
<td>4</td>
</tr>
<tr>
<td>IEC 546</td>
<td>Transdisciplinary Services for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>IEC 552</td>
<td>Administration and Supervision in Interdisciplinary Early Childhood Education Programs</td>
<td></td>
</tr>
<tr>
<td>EDP 202</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDS 375</td>
<td>Introduction to Education of Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EDS 513</td>
<td>Legal Issues in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 516</td>
<td>Principles of Behavior Management and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDS 522</td>
<td>Children and Families</td>
<td>3</td>
</tr>
<tr>
<td>EDS 530</td>
<td>Moderate and Severe Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses taken after admission to Teacher Education Program:

- EDC 317 Introduction to Instructional Media .......... 1
- IEC 507 Assessment of Young Children ............... 3
- IEC 508 Advanced Curriculum Planning in Interdisciplinary Early Childhood Education .......... 3
- IEC 509 Intervention Planning for Children With Special Needs .......... 3
- IEC 510 Practicum in Interdisciplinary Early Childhood Education .......... 3
- IEC 512 Language and Literacy for Young Children .......... 3
- IEC 411 Student Teaching in Interdisciplinary Early Childhood Education .......... 12

**Subtotal: Major Hours** ............................................. 68

**Electives**  
Electives for 120 total credit hours chosen with the help of an advisor.

**TOTAL HOURS** .......................................................... 120

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**B.S. in Education with a major in KINESIOLOGY**  
**Teacher Certification Program**

### Requirements for Program

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. These programs support the UK educator preparation unit’s theme of Research and Reflection for Learning and Leading. The process of reflective decision-making is imbedded in the departmental philosophy that students learn best through experiencing. The kinesiology program is guided by the standards of the National Association for Sport and Physical Education (NASPE), and the Kentucky New Teacher Standards.

The kinesiology program ensures an understanding of and knowledge about the structure of the physical education and dance disciplines through the content courses of anatomy, physiology, kinesiology, exercise physiology, and nutrition. Application of this knowledge is demonstrated in physical education and dance activities to ensure discipline knowledge for teaching.

The B.S. in Kinesiology requires completion of: (1) the UK Core requirements; (2) specified course work in Program Related Studies and Professional Education; and (3) one of the kinesiology plans. All kinesiology students are encouraged to complete Plan 1, which includes majors in kinesiology and health promotion, so that on graduating they will be qualified to pursue state teaching certification in physical education and health, grades P-12.

### Continuous Assessment

1. All students in the kinesiology program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. The kinesiology program stimulates higher performance goals for high-performing students by offering several modes of performance. Examples are: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills demonstrated by high-performing students who serve as class leaders, peer tutors, and assistant instructors.

---

### Statement on Student Teaching

Students who are majoring only in kinesiology will enroll in:

- KHP 369 Student Teaching in Physical Education .......... 12

Students who are completing a major in both kinesiology and health promotion will enroll in:

- KHP 369 Student Teaching in Physical Education .......... 6
- KHP 371 Student Teaching in Health Education .......... 6

In this situation, student teaching time will be divided between the high school, middle school, and elementary grades, with student teaching supervision occurring cooperatively between the kinesiology and health promotion faculty.

### UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- **I. Intellectual Inquiry in Arts and Creativity**
  - Choose one course from approved list .................................. 3

- **II. Intellectual Inquiry in the Humanities**
  - Choose one course from approved list .................................. 3

- **III. Intellectual Inquiry in the Social Sciences**
  - SOC 101 Introduction to Sociology .................................. 3

- **IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
  - BIO 103 Basic Ideas of Biology .................................. 3

- **V. Composition and Communication I**
  - CIS/WRD 110 Composition and Communication I .................. 3

- **VI. Composition and Communication II**
  - CIS/WRD 111 Composition and Communication II ................ 3

- **VII. Quantitative Foundations**
  - Choose one course from approved list .................................. 3

- **VIII. Statistical Inferential Reasoning**
  - STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .................................. 3

- **IX. Community, Culture and Citizenship in the USA**
  - Choose one course from approved list .................................. 3

- **X. Global Dynamics**
  - Choose one course from approved list .................................. 3

**UK Core Hours** .......................................................... 30
### Program Related Studies Sequence (19 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 102</td>
<td>Human Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Basic Ideas of Biology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ANA 209</td>
<td>Principles of Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PGY 206</td>
<td>Elementary Physiology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Professional Education Course Sequence (29 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 202</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDP 203</td>
<td>Teaching Exceptional Learners in Regular Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>KHP 263</td>
<td>Curriculum Design and Developmental Sports Skills in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>*EDC 317</td>
<td>Introduction to Instructional Media</td>
<td>1</td>
</tr>
<tr>
<td>*KHP 344</td>
<td>Physical Education in the Secondary School</td>
<td>1</td>
</tr>
<tr>
<td>*KHP 360</td>
<td>Physical Education in the Elementary School</td>
<td>1</td>
</tr>
<tr>
<td>*KHP 361</td>
<td>Field Experiences</td>
<td>1</td>
</tr>
<tr>
<td>*KHP 369</td>
<td>Student Teaching in Physical Education</td>
<td>6-12</td>
</tr>
<tr>
<td>*KHP 371</td>
<td>Student Teaching in Health Education</td>
<td>6</td>
</tr>
</tbody>
</table>

*These courses require admission to the Teacher Education Program.

### Electives

Students are required to complete a total of 120 hours, including the following:

- **B.S. in Education with a major in KINESIOLOGY**

#### Requirements for Program

The Department of Kinesiology and Health Promotion offers undergraduate courses and degree programs in kinesiology (physical education) and health promotion. The kinesiology program (non-teacher certification) leads to employment opportunities in the athletics and sports industries. The kinesiology program is guided by the standards of the National Association for Sport and Physical Education (NASPE).

The B.S. in Kinesiology requires completion of: (1) the UK Core requirements; (2) specified course work in program related studies, professional kinesiology requirements, education course requirements; (3) practicum in recreation; and (4) specified course work in exercise science.

#### Continuous Assessment

1. The kinesiology program stimulates higher performance goals for high-performing students by offering several modes of performance: (a) skills in performing physical activities; (b) skills in writing and oral presentations in theory courses; (c) computer technological skills in some courses; and (d) leadership skills by high-performing students are often used in classes through class leaders, peer tutors, and/or assistant instructors.

2. Students must maintain a 2.0 GPA for retention in and exit from the program with a bachelor’s degree. After 60 hours, students must be admitted to advanced standing. Students who demonstrate a lack of commitment, effort, professional behavior, knowledge, or disciplinary skills, or who have not maintained the necessary GPA overall and in the major courses may be removed from the program and the college.

#### UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. **Intellectual Inquiry in Arts and Creativity**
   - Choose one course from approved list | 3 |
2. **Intellectual Inquiry in the Humanities**
   - Choose one course from approved list | 3 |
3. **Intellectual Inquiry in the Social Sciences**
   - PSY 100 Introduction to Psychology | 4 |
4. **Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
   - BIO 103 Basic Ideas of Biology | 3 |
5. **Composition and Communication I**
   - CIS/WRD 110 Composition and Communication I | 3 |
6. **Composition and Communication II**
   - CIS/WRD 111 Composition and Communication II | 3 |
7. **Quantitative Foundations**
   - Choose one course from approved list | 3 |
8. **Statistical Inferential Reasoning**
   - STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning | 3 |
9. **Community, Culture and Citizenship in the USA**
   - Choose one course from approved list | 3 |
10. **Global Dynamics**
    - Choose one course from approved list | 3 |

#### Program Related Course Requirements (17 hours)

- *ANA 209 Principles of Human Anatomy | 3 |
- *PGY 206 Elementary Physiology | 3 |
- NFS 101 Human Nutrition and Wellness | 3 |
- PSY 100 Introduction to Psychology | 4 |
- CS 101 Introduction to Computing I or CS 115 Introduction to Computer Programming | 3 |
- KHP 120 Service Course (Weight Training) | 1 |

*Prerequisite: biology or zoology course(s)*

#### Professional Kinesiology Requirements (33 hours)

##### Professional Activity Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KHP 200</td>
<td>The History and Philosophy of Physical Education and Sport</td>
<td>3</td>
</tr>
<tr>
<td>KHP 300</td>
<td>Psychology and Sociology of Physical Education and Sport</td>
<td>3</td>
</tr>
<tr>
<td>KHP 390</td>
<td>Dance Activities for Schools</td>
<td>2</td>
</tr>
<tr>
<td>KHP 415</td>
<td>Biomechanics of Human Movement</td>
<td>4</td>
</tr>
<tr>
<td>KHP 420</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>KHP 445</td>
<td>Introduction to Tests and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>KHP 560</td>
<td>Motor Development in Infants and Young Children</td>
<td>3</td>
</tr>
<tr>
<td>KHP 579</td>
<td>Adapted Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

##### Major in Health Promotion (33 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KHP 430</td>
<td>Methods of Teaching Health Education</td>
<td>3</td>
</tr>
<tr>
<td>KHP 190</td>
<td>First Aid and Emergency Care</td>
<td>2</td>
</tr>
<tr>
<td>KHP 220</td>
<td>Sexuality Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 222</td>
<td>Drug Education</td>
<td>2</td>
</tr>
<tr>
<td>KHP 230</td>
<td>Human Health and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>KHP 330</td>
<td>Planning and Implementing Health Education Programs</td>
<td>3</td>
</tr>
<tr>
<td>KHP 445</td>
<td>Introduction to Tests and Measurements</td>
<td>3</td>
</tr>
<tr>
<td>NPS 101</td>
<td>Human Nutrition and Wellness</td>
<td>3</td>
</tr>
<tr>
<td>KHP 509</td>
<td>Workshop in Health and Safety</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose at least nine hours from the following courses:

- KHP 240 Nutrition and Physical Fitness | 3 |
- KHP 395 Independent Study in Kinesiology and Health Promotion | 3 |
- *KHP 509 Workshop in Health and Safety | 1-3 |
- BSC 331 Behavioral Factors in Health and Disease | 3 |
- FAM 252 Introduction to Family Science | 3 |
- HSM 250 Introductory Epidemiology | 3 |

*May be repeated under different topic names for up to three credit hours.

#### Electives

Electives for 120 total credit hours chosen with the help of an advisor.
College of Education

KHP 573 Management of Sport ........................................ 3
KHP 240 Nutrition and Physical Fitness ............................ 3

Exercise Science Courses (23 hours plus electives)
CHE 104 Introductory General Chemistry ........................... 3
CHE 108 Introduction to Inorganic, Organic and Biochemistry without Laboratory ........................................ 3
PHY 211 General Physics .................................................... 5
KHP 340 Athletic Training .................................................. 2
PGY 412 Principles of Human Physiology Lectures ..................... 4
KHP 577 Practicum in Kinesiology and Health Promotion .......... 6

Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS ........................................................................ 120

B.A. in Education with a major in LEARNING AND BEHAVIOR DISORDERS (LBD)

Requirements for Program

Two undergraduate programs are offered in special education: learning and behavior disorders (LBD) and moderate and severe disabilities (MSD). Both of these programs support the UK educator preparation unit’s theme of Research and Reflection for Learning and Leading. Special education teachers are prepared to assess, plan, and teach based on what they learn from their students and to conduct continuous self-reflection in order to improve their teaching. The standards and competencies on which the LBD and MSD programs are based are those prescribed by The Council for Exceptional Children and The Kentucky New Teacher Standards.

The B.A. program in Learning and Behavior Disorders, P-12, prepares students to teach individuals with disabilities (including learning disabilities, emotional/behavioral disorders, mild mental disabilities, other health impaired, and physical disabilities) in primary through twelfth grades. Advising early in the B.A. program is essential in order to complete the requirements in a timely fashion.

Continuous Assessment

1. All students in the LBD program are expected to meet the standards and rules for Admission, Retention and Exit from the Teacher Education Program (TEP) as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. Assessment at the Point of Entry to the LBD Program. The admission process provides the first point for formal assessment of the competencies outlined in the LBD program. Students applying for admission must: (a) meet the requirements for TEP admission; (b) have successfully completed a special education survey course (EDS 375) and practicum (EDS 357); (c) be able to articulate, orally and in writing, their philosophy of teaching and their experiences with persons with disabilities; and (d) prepare an acceptable extemporaneous writing sample. Entry level assessments will be conducted by program faculty representatives through analysis of TEP application materials, portfolio entries, and an entrance interview.

3. On-going Assessment. Once a student is admitted to the TEP, he/she meets with an advisor from the LBD program faculty to plan the remainder of the program. Prior to the student-teaching semester, the student must present a portfolio that documents his/her progress toward meeting program competencies in the courses completed up to that point. Mid-point assessments will be conducted by program faculty representatives through analysis of transcripts, and portfolio entries, as well as performance in practica courses.

4. Exit Assessment. At the exit assessment, students must document that they have met all program competencies. Exit assessments will be conducted by program faculty representatives through a formal analysis of transcripts, student portfolios, and student teaching evaluations. In addition each student must earn passing scores on the required PRAXIS exams.

Statement on Student Teaching

Student teaching in the LBD program is sixteen weeks in LBD classrooms. Students split the sixteen weeks evenly between an elementary school placement and a secondary (middle school or high school) placement.

Special Education/LBD Certification (P-12)

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................ 3

V. Composition and Communication I
CIS-WRD 110 Composition and Communication I .................. 3

VI. Composition and Communication II
CIS-WRD 111 Composition and Communication II ............... 3

VII. Quantitative Foundations
Choose one course from approved list ........................................ 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................ 3

X. Global Dynamics
Choose one course from approved list ........................................ 3

UK Core Hours ................................................................ 30

Preprofessional Requirements (28 hours)
EDP 202 Human Development and Learning ....................... 3
EPE 301 Education in American Culture ............................. 3
EDS 357 Initial Practicum in Special Education .................. 1
EDS 375 Introduction to Education of Exceptional Children .... 3
FAM 357 Contemporary Adolescence or EDS 522 Children and Families ........................................ 3
EDS 513 Legal Issues in Special Education .......................... 3
EDS 514 Instructional Technology in Special Education .......... 3
EDS 516 Principles of Behavior Management and Instruction ........................................ 3
EDS 517 Assistive Technology in Special Education .............. 3
EDS 547 Collaboration and Inclusion in School and Community Settings ........................................ 3

Program Related Studies (30 hours)
KHP 190 First Aid and Emergency Care ............................. 2
FAM 554 Working With Parents .......................................... 3
GLY 160 Geology for Teachers .......................................... 3
PHY 160 Physics and Astronomy for Teachers .................... 3
MA 201 Mathematics for Elementary Teachers ................. 3
MA 202 Mathematics for Elementary Teachers ................. 3
PSY 100 Introduction to Psychology ................................... 4
plus nine additional social science hours. Six of the nine hours must be taken in one of the following disciplines: ANT, ECO, FAM, GEO, PS, PSY, or SOC.

Professional Education Requirements (33 hours)
LIS 510 Children’s Literature and Related Materials or LIS 514 Literature and Related Media for Young Adults or
IEC 512 Language and Literacy for Young Children .......... 3
EDC 329 Teaching Reading and Language Arts .................. 3
EDC 337 Teaching Mathematics in Elementary Schools .......... 3
EDC 339 Designing a Reading and Language Arts Program for the Elementary School .................. 3
EDS 528 Educational Assessment for Students with Mild Disabilities ........................................ 3
EDS 529 Educational Programming for Students with Mild Disabilities ........................................ 3
EDS 589 Field Experiences: Mild Disabilities .................... 3
EDS 459 Student Teaching in Special Education ................ 12

Electives
ELECTIVES for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS ................................................................. 120
**Program Description**

The Middle School Teacher Education Program supports the UK educator preparation unit’s theme of Research and Reflection for Learning and Leading. The program emphasizes the development of professionally trained specialists in teaching early adolescents. As such, the program models team teaching and collaborative learning. Active learning experiences are emphasized, as are real-world connections. Throughout the program, students are encouraged to consider their present position and make plans for improvement. Students are urged to gather data continuously and to use this data in planning effective instruction. Students are required to provide questions for reflection when writing lessons they do not teach and to provide reflective summaries as part of lesson plans which are delivered to students. Students are provided time and resources to revise and improve curricular materials they develop within the program. Students assess their own progress through the program’s curriculum, preparing them for the continuous self-assessment required of practicing professionals.

To receive the B.A. degree in Middle School Education, students must: (1) complete the UK Core requirements; (2) complete all required program-related studies and the professional education course sequence; and (3) complete the content area requirements in each of two areas of specialization. Available content specialization areas are: English and Communication, Mathematics, Science, and Social Studies.

**Continuous Assessment**

1. All middle school education students are expected to meet the standards and rules for Admission, Retention and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188 of this Bulletin.

2. **Assessment at the Point of Entry to the Middle School Program.** The admission process provides the first point for formal assessment of the competencies outlined by the standards documents which guide the middle school education program. Basic skills standards must be met and students must be making satisfactory progress towards professional and content area proficiency in order for students to win admission.

3. **On-going Assessment.** Once a student is admitted to the program, he/she meets with an advisor to plan the remainder of the program. The focus of this initial advising session is to begin a professional development plan which ensures that all standards will be met by program exit.

4. **Exit Assessment.** At the exit assessment, students must show competency in all relevant standard areas. This is done through a final review of the eligibility portfolio, review of information provided by the cooperating teacher and university supervisor, and documentation of remediation of any weaknesses noted at the formal review in the methods semester.

**Statement on Student Teaching**

Student teaching in middle school education is 16 weeks. Middle school certification requires students to be certifiable in two academic subject areas, which requires two student teaching placements. Students seeking Middle School Certification will register for:

- EDC 349 Student Teaching in the Middle School ...... 12

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. **Intellectual Inquiry in Arts and Creativity**
   - Choose one course from approved list ....................... 3

2. **Intellectual Inquiry in the Humanities**
   - Choose one course from approved list ....................... 3

3. **Intellectual Inquiry in the Social Sciences**
   - Recommended: PSY 100 Introduction to Psychology .......... 4

4. **Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
   - Choose one course from approved list ....................... 3

5. **Composition and Communication I**
   - CIS/WRD 110 Composition and Communication I ........... 3

6. **Composition and Communication II**
   - CIS/WRD 111 Composition and Communication II ........... 3

**VII. Quantitative Foundations**

   - Choose one course from approved list ....................... 3

**VIII. Statistical Inferential Reasoning**

   - Choose one course from approved list ....................... 3

9. **IX. Community, Culture and Citizenship in the USA**

   - Choose one course from approved list ....................... 3

10. **X. Global Dynamics**

    - Choose one course from approved list ....................... 3

**UK Core Hours .................................................. 31**

**Program Related Studies (4 hours)**

PSY 100 Introduction to Psychology ......................... 4

**Professional Education Courses (40 hours)**

The National Middle School Association (NMSA) describes six broad areas of competence for middle grades teachers. These are: (1) early adolescent development, (2) middle grades curriculum, (3) middle grades instruction, (4) middle grades school organization, (5) families and community relations, and (6) middle grades teaching roles. With the support of a liberal arts foundation provided by the UK Core requirements and the content area knowledge provided by the requirements detailed above, the professional education requirements of the program endeavor to provide a firm foundation in each of these six areas.

*EDP 202 Human Development and Learning .................. 3

*EDP 203 Teaching Exceptional Learners in Regular Classrooms ........................................ 3

*EPE 301 Education in American Culture ....................... 3

All of the following courses require admission to the teacher education program:

- EDC 317 Introduction to Instructional Media ............... 1

- EDC 329 Teaching Reading and Language Arts
  (EDC 329 is a prerequisite to EDC 330) ....................... 3

- EDC 341 Middle School Curriculum and Instruction (spring only) ....................... 3

- EDC 330 Designing a Reading and Language Arts Program for the Middle School (fall only) ....................... 3

- EDC 343 The Early Adolescent Learner: Practicum (fall only) ....................... 3

- *Special Methods Courses in TWO Areas of Specialization (fall only) .............................. 6

Choose from:

- EDC 345 Teaching Mathematics in the Middle School
- EDC 346 Teaching Social Studies in the Middle School
- EDC 347 Teaching English and Communication in the Middle School
- EDC 348 Teaching Science in the Middle School
- EDC 349 Student Teaching in the Middle School ... 12

*These courses include clinical and/or field hours.

Note: EDC 330, EDC 343, and the two methods classes will be taken as a block in a fall semester.

**Content Area Courses (24-34 hours)**

Students wishing to become certified in middle school (grades 5-9) must select two of the following content areas of specialization. Course requirements, particularly in the areas of English and Communication and Mathematics, have been prioritized to reflect prerequisite knowledge. Students should plan course work in these areas with the assistance of an advisor.

**English and Communication (29-30 hours)**

Required (15 hours)

- COM 252 Introduction to Interpersonal Communication ................................. 3
- EDC/ENG 509 Composition for Teachers (fall only) .... 3
- ENG/LIN 513 Teaching English as a Second Language (fall only) ....................... 3
- JOU 460 Journalism in Secondary Education (fall only) ....................... 3

Select three courses from the following section:

**Focused Literary Studies (9 hours)**

- CLA 261 Literary Masterpieces of Greece and Rome .......... 3
- ENG 333 Studies in a British Author or Authors (Subtitle required) ....................... 3
- ENG 336 Studies in an American Author or Authors
  (Subtitle required – other than non-fiction) ....................... 3
- ENG 340 Shakespeare .............................................. 3
- ENG 481G Studies in British Literature (Subtitle required) ....................... 3
- ENG 482G Studies in American Literature (Subtitle required) or
- ENG 483G Studies in African American or Diasporic Literature (Subtitle required) ....................... 3
- ENG 484G Comparative Studies in Literature
  (Subtitle required) ............................................... 3

Select one course from each of the following sections:

**Literature and Identity (3 hours)**

- ENG 232 Literature and Place ........................................ 3
- ENG 233 Literature and Identities ................................... 3
- ENG 234 Introduction to Women’s Literature ................. 3
- ENG 264 Major Black Writers ........................................ 3

**Language and Multilingual Society (2-3 hours)**

- ENG 301 Style for Writers ........................................ 3
- ENG/LIN 310 American English .................................. 3
College of Education

LIN 317 Language and Society
(Subtitle required – any subtitle) ........................................ 3
ENG/LIN 211 Introduction to Linguistics I .............................. 3
ENG/LIN 514 TEFL Materials and Methods (prereq: ENGLIN 513) ......................................................... 3
CD 277 Introduction to Communication Disorders .......... 3
CD 520 Introduction to Manual Communication .............. 2

Writing and Media (3 hours)
ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) ................................................ 3
ENG 281 Introduction to Film .......................................... 3
ENG 336 Studies in an American Author or Authors (Subtitle required – non-fiction) ................................. 3
ENG 401 Special Topics in Writing (Subtitle required) ........... 3
COM 249 Mass Media and Mass Culture ......................... 3

Performing Arts (3 hours)
Performance/Production:
TA 126 Acting I: Fundamentals of Acting ........................ 3
TA 150 Fundamentals of Design and Production ................. 3
TA 350 Topics in Theatre (performance-based topics) .......... 3
TA 396 Summer Theatre .............................................. 3
Or students can select one course from Theatre Studies:
TA 350 Topics in Theatre (theatre-studies-based topics) ...... 3

Mathematics (24-25 hours)
The requirements for students choosing mathematics as a content area of specialization are based on standards developed by the National Council of Teachers of Mathematics, KERA Goals and Academic Expectations, and the Core Content for Assessment. The NCTM standards for middle grades include four common threads (reasoning, communication, problem solving, and connections) as well as content area standards of number, computation and estimation, probability, statistics, algebra, geometry, and measurement. Kentucky’s Goals and Academic Expectations and the Core Content for Assessment focus mathematics instruction on seven core areas: number, mathematical procedures, mathematical structure, measurement, space and dimensionality, change, and data.

Required
MA 201 Mathematics for Elementary Teachers ................. 3
MA 202 Mathematics for Elementary Teachers ................. 3
CS 101 Introduction to Computing I
or
CS 115 Introduction to Computer Programming ............... 3
STA 291 Statistical Methods ........................................... 3
MA 310 Mathematical Problem Solving for Teachers ............ 3
MA 241 Geometry for Middle School Teachers ................. 3
MA 162 Finite Mathematics and Its Applications ............... 3
MA 123 Elementary Calculus and Its Applications ............. 3
or
MA 113 Calculus I ..................................................... 4

Science (32-36 hours)
The content area preparation required for students in the middle school education program is based on the standards adopted by the National Science Teacher’s Association as well as Kentucky’s Core Content for Science Assessment and the New Teacher Standards. It is important that science teachers have strong content preparation in the sciences. This is needed to communicate modes of scientific inquiry, select appropriate learning experiences, guide students in their early scientific efforts, and help students apply scientific knowledge and skills in their daily lives.

Required:
BIO 102 Human Ecology ............................................. 3
BIO 103 Basic Ideas of Biology ..................................... 3
BIO 111 General Biology Laboratory ............................... 1
PHY 160 Physics and Astronomy for Teachers ................. 3
PHY 120 How Things Work .......................................... 3
CHE 104 Introductory General Chemistry ....................... 3
CHE 105 General College Chemistry I ............................. 3
CHE 111 Laboratory to Accompany General Chemistry I ...... 1
GLY 160 Geology for Teachers ....................................... 3
Any GLY course ..................................................... 3-4
Select two lecture courses from the following (6-10 hours):
BIO 150 Principles of Biology I .................................... 3
BIO 152 Principles of Biology II .................................... 3
BIO 208 Principles of Microbiology ................................ 3
*CHE 107 General College Chemistry II .......................... 3
*CHE 113 Laboratory to Accompany General Chemistry II .... 2
CHE 108 Introduction to Inorganic, Organic and Biochemistry Without Laboratory ................................. 3
GLY 150 Earthquakes and Volcanoes ............................. 3
GLY 130 Dinosaurs and Disasters .................................. 3
GLY 220 Principles of Physical Geology ......................... 4
AST 191 The Solar System ............................................ 3
PHY 211 General Physics ............................................. 5
PHY 213 General Physics ............................................. 5
*If CHE 113 is taken with CHE 107, an additional lecture course must be taken to fulfill this requirement.

Social Studies (33 hours)
The middle school social studies content area teacher preparation program is guided by two principles: first, a commitment to continuous improvement based on reflection, evaluation, and on-going research; second, a commitment to peer collaboration as a source of professional growth. The program is guided by the National Council for Social Studies document, Expectations of Excellence, and the Kentucky New Teacher Standards.

Area 1 – World Regional Geography and Cultural Anthropology (9 hours)

Section 1
Choose at least one:
GEO 222 Cities of the World ....................................... 3
GEO 160 Lands and Peoples of the Non-Western World ......... 3

Section 2
Choose at least one:
ANT 241 Origins of Old World Civilization ..................... 3
ANT 220 Introduction to Cultural Anthropology ............... 3

Section 3
Choose at least one:
ANT 242 Origins of New World Civilization ................... 3
ANT 340 Development and Change in the Third World ......... 3
GEO 260 Geographies of Development in the Global South .... 3
GEO 455 Economic Geography .................................... 3
GEO 172 Human Geography ....................................... 3

Area 2 – World History (9 hours)

Section 1: Pre-Modern History
Choose at least one:
HIS 206 History of Colonial Latin America, 1492-1810 ......... 3
HIS 229 The Ancient Near East and Greece to the Death of Alexander the Great .............................. 3
HIS 230 The Hellenistic World and Rome to the Death of Constantine ................................................. 3
HIS 247 History of Islam and Middle East Peoples, 500-1250 AD ..................................................... 3
HIS 536 Intellectual and Cultural History of Russia to 1800 .......... 3
HIS 295 East Asia to 1800 .............................................. 3
HIS 370 Early Middle Ages ........................................... 3
HIS 371 Later Middle Ages ............................................ 3
HIS 501 Fourth-Century Greece and the Hellenistic World ...... 3
HIS 510 Medieval Law ............................................... 3
HIS 511 Barbarians .................................................... 3
HIS 512 Carolingian Empire ......................................... 3
HIS 513 Medieval Institutions Since the Mid-10th Century ...... 3

Section 2: Modern History
Choose at least one:
HIS 207 History of Modern Latin America, 1810 to Present .......... 3
HIS 562 Modern Mexico .............................................. 3
HIS 563 The History of Women in Latin America ................ 3
HIS 248 History of Islam and Middle East Peoples, 1250 to the Present .................................................... 3
HIS 254 History of Sub-Saharan Africa ............................ 3
HIS 534 Russia in the 19th Century .................................. 3
HIS 296 East Asia Since 1600 ......................................... 3
HIS 593 East Asian History Since World War II .................. 3
HIS 503 A History of the Roman Empire .......................... 3

Area 3 – American History (6 hours)

Section 1
Choose at least one:
HIS 260 African American History to 1865 ........................ 3
HIS 265 History of Women in America ............................ 3
HIS 404 U.S. Women’s History to 1900 ............................ 3
HIS 507 U.S. Labor History .......................................... 3
HIS 361 American Indian History to 1838 ......................... 3
HIS 362 American Indian History Since 1838 ................. 3

Section 2
Choose at least one:
HIS 240 History of Kentucky ........................................ 3
HIS 460 Colonial America to 1763 .................................. 3
HIS 461 The American Revolution, 1763-1789 .................. 3
HIS 462 The New Republic, 1789-1820 ............................ 3
HIS 463 Expansion and Conflict, 1820-1860 .................... 3
HIS 464 Civil War and Reconstruction, 1860-1877 ............ 3

Area 4 – Sociology, Political Science and Economics Electives (9 hours)

Section 1:
Required
ECO 201 Principles of Economics I .................................. 3

Section 2
Choose at least one:
PS 240 Introduction to Political Theory .......................... 3
PS 458 American State and Local Government .................. 3
PS 461G Civil Liberties ............................................... 3
PS 463G Judicial Politics ............................................. 3

Section 3
Choose at least one:
SOC 235 Inequalities in Society (prereq: SOC 101) ............. 3
SOC 335 Sociology of Gender (prereq: SOC 101) ............... 3
SOC 334 Sociology of Families (prereq: SOC 101) ............ 3

Electives
Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS ....................................................... 120
B.S. in Education with major in MODERATE/SEVERE DISABILITIES

Requirements for Program

Two undergraduate programs are offered in special education: learning and behavior disorders (LBD) and moderate and severe disabilities (MSD). Both of these programs support the UK educator preparation unit’s theme of Research and Reflection for Learning and Leading. Special education teachers are prepared to assess, plan, and teach based on what they learn from their students and to conduct continuous self-reflection in order to improve their teaching. The standards and competencies on which the LBD and MSD programs are based are those prescribed by The Council for Exceptional Children and The Kentucky New Teacher Standards.

The B.S. in Education program in Moderate/Severe Disabilities (MSD) requires completion of: (1) the UK Core requirements; (2) specified course work in Related Studies and Professional Education; and (3) specified course work in the special education and MSD area of specialization. Students graduating from the certification program the program obtain a single Kentucky teacher certificate in MSD (grades P-12). Graduates are qualified to teach in classes for students with functional mental disabilities (grades P-12). It is possible to complete this certificate program in four years. In addition to the undergraduate program, an initial certificate in MSD (grades P-12) is offered at the graduate level (See the University of Kentucky Graduate School Bulletin).

Continuous Assessment

1. All students in the MSD program are expected to meet the standards and rules for Admission, Retention, and Exit from Teacher Education Programs as set forth in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

2. Assessment at the Point of Entry to the MSD Program. The admission process provides the first point for formal assessment of the competencies outlined in the Initial Certification Program Folio for the program. Students who apply for admission must: (a) meet the requirements for admission to the Teacher Education Program; (b) have successfully completed a special education survey course and practicum; and (c) be able to articulate their philosophy of teaching and document their experiences with persons with disabilities in an initial portfolio and an entrance interview.

3. On-going Assessment. Once a student is admitted to the program, he/she meets with an advisor to plan the remainder of the program. Prior to the student teaching semester, the student must present a portfolio that documents his/her progress toward meeting program competencies in the courses completed.

4. Exit Assessment. At the exit assessment, students must document that they have met all program competencies through a final review of their portfolio and the successful completion of student teaching in a public school placement for students with MSD.

Statement on Student Teaching

Student teaching in the MSD program is 16 weeks and consists of eight weeks in an elementary placement and eight weeks in a middle or secondary placement for students with MSD.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
    Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
     Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list .......................... 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
    CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
     Any approved MA course ........................................... 3

VIII. Statistical Inferential Reasoning
      Choose one course from approved list ........................ 3

IX. Community, Culture and Citizenship in the USA
    Choose one course from approved list .......................... 3

X. Global Dynamics
     Choose one course from approved list .......................... 3

UK Core Hours ......................................................... 30

Program Related Studies (22 hours)

PSY 100 Introduction to Psychology ......................... 4
MA 201 Mathematics for Elementary Teachers .............. 3
MA 202 Mathematics for Elementary Teachers .............. 3
*Biological science course ......................................... 3
*Physical science course .......................................... 3
WRD 204 Technical Writing .................................. 3
LIS 510 Children’s Literature and Related Materials
or IEC 512 Language and Literacy for Young Children ............ 3
*Choose the biological and physical science courses with
the aid of your advisor.

Professional Education Courses (13-14 hours)

MUS 266 Teaching Music in Elementary Grades .......... 3
or A-E 200 Workshop in Design Education
for Elementary Teachers ........................................... 3
or KHP 390 Dance Activities for Schools ...................... 2

All of the following courses require admission to the Teacher Education Program.

EED 319 Teaching Reading and Language Arts .............. 3
EED 339 Designing a Reading and Language Arts
Program for the Elementary School .......................... 3
EED 337 Teaching Mathematics in the Elementary Schools ........................................... 3
KHP 382 Physical Education for Elementary
School Teachers .................................................... 2

Area of Specialization: Special Education Requirements (47 hours)

Special Education Core Requirements

EDS 357 Initial Practicum in Special Education ........... 1
EDS 375 Introduction to Education of Exceptional Children ....... 3
EDS 513 Legal Issues in Special Education ................. 3
EDS 514 Instructional Technology in Special Education ........ 3
EDS 516 Principles of Behavior Management and Instruction ...... 3
EDS 517 Assistive Technology in Special Education ............ 3
EDS 522 Children and Families .................................. 3

Moderate/Severe Disabilities Areas Requirements

All of the following courses require admission to the Teacher Education Program.

EDS 520 Moderate and Severe Disabilities ................... 3
EDS 547 Collaboration and Inclusion in School and Community Settings ....... 3
EDS 548 Curriculum Design for Students with Moderate and Severe Disabilities .......... 3
EDS 549 Methods for Students with Moderate and Severe Disabilities .................... 4
EDS 550 Student Teaching: Moderate and Severe Disabilities ..................... 12

Students must complete all special education courses with a GPA of 2.5 or better before they can student teach.

Electives

Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS .................................................. 120

B.A. in Education with a major in SECONDARY EDUCATION

Option: English Education

Requirements for Program

This B.A. includes completion of an approved plan in the academic specialty teaching of English. The approved major in the academic specialties for teaching is entitled “English major for secondary education,” to distinguish it from the A&S major and minor. No certification is awarded with the B.A. Students desiring to go on to Master’s with initial certification must apply to The Graduate School and apply to the Secondary English Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the UK Core requirements; (2) complete the requirements for one of the content area plans for secondary English education; (3) attain a grade-point average of at least 2.5 overall, in major, in minor, and in support area; and (4) complete 100 hours of fieldwork with-adoles-
Statement on Student Teaching

There is no student teaching required for completion of the Secondary English Education major. Student teaching occurs as part of the Masters in Education with initial certification.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ... 3

VII. Quantitative Foundations
Choose one course from approved list ... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ... 3

X. Global Dynamics
Choose one course from approved list ... 3

UK Core Hours ............................................... 30

Electives

With the aid of your advisor, choose from the following courses to bring the total number of earned hours up to 120.

A-H 105 Ancient Through Medieval Art ... 3
A-H 106 Renaissance Through Modern Art ... 3
AAS 550 Education in a Culturally Diverse Society ... 3
ANT 160 Cultural Diversity in the Modern World ... 3
ANT 220 Introduction to Cultural Anthropology ... 3
ANT 324 Contemporary Latin American Cultures ... 3
ANT 401 Gender Roles in Cross-Cultural Perspective ... 3
ANT 431G Cultures and Societies of Sub-Saharan Africa ... 3
ANT 334 Sociology of Appalachia ... 3
APP 200 Introduction to Appalachian Studies ... 3
APP 300 Topics in Appalachian Studies (Subtitle required) ... 3
COM 101 Introduction to Communications ... 3
GWS 200 Introduction to Gender and Women’s Studies in the Social Sciences ... 3
GWS 300 Topics in Gender and Women’s Studies (Subtitle required) ... 3
GWS 350 Introduction to Feminist Theorizing ... 3
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present ... 3
HIS 109 History of the United States Since 1877 ... 3

HIS 203 History of the British People Since the Restoration ... 3
SPA 371 Latin American Cinema (Subtitle required) ... 3

Program Related Studies (15 hours)

EDC 362 Field Experiences in Secondary Education ... 3
EDC/LIN 513 Teaching English as a Second Language ... 3
EDC 544 Use and Integration of Instructional Media ... 3
EDC 547 Instructional Computing I ... 3
EDC 548 Instructional Computing II ... 3
EPE 301 Education in American Culture ... 3
EDS 375 Introduction to Education of Exceptional Children ... 3
EDP 203 Teaching Exceptional Learners in Regular Classrooms ... 3

English Major for Secondary Education (42 hours)

Courses with two asterisks (**) are highly recommended.

Prerequisites (6 hours)

Required:
ENG 230 Introduction to Literature ... 3
plus one of the following:
ENG 231 Literature and Genre ... 3
ENG 232 Literature and Place ... 3
ENG 233 Literature and Identities ... 3
**ENG 234 Introduction to Women’s Literature ... 3
**ENG 264 Major Black Writers ... 3
**ENG 483G Studies in African American or Diasporic Literature (Subtitle required) ... 3
**ENG 572 Studies in English for Teachers (Subtitle required) ... 3

Literary Criticism Component (3 hours)
ENG 330 Text and Context (Subtitle required) ... 3

Literature Component (18 hours)

Required:
ENG 331 Survey of British Literature I ... 3
ENG 332 Survey of British Literature II ... 3
ENG 334 Survey of American Literature I ... 3
ENG 335 Survey of American Literature II ... 3
ENG 480G Studies in Film (Subtitle required) ... 3
plus one of the following:
ENG 333 Studies in a British Author or Authors: (Shakespeare subitled required) ... 3
ENG 336 Studies in an American Author or Authors: (Subtitle required) ... 3
ENG 481G Studies in British Literature: (Subtitle required) ... 3
ENG 482G Studies in American Literature: (Subtitle required) ... 3
**ENG 483G Studies in African American or Diasporic Literature (Subtitle required) ... 3
ENG 484G Comparative Studies in Literature: (Subtitle required) ... 3
**ENG 485G Studies in Literature and Gender: (Subtitle required) ... 3
ENG 570 Selected Topics for Advanced Studies in Literature (Subtitle required) ... 3

Writing Component (9 hours)
ENG 401 Special Topics in Writing (Subtitle required) ... 3
[two sections, different subtitles] ... 6
EDC/ENG 509 Composition for Teachers ... 3
**English Language Study Component** (6 hours)

ENG/LIN 211 Introduction to Linguistics I .......................... 3
ENG 301 Style for Writers ................................................ 3
ENG 310 American English ............................................. 3

**Support Area** (18 hours)

A minimum of three hours credit is required in each of the four areas: journalism, theatre, speech and fine arts, which English teachers will be qualified to teach in Kentucky. In one of the areas, to be selected with the aid of an advisor, a minimum of nine hours is required.

The following courses are recommended; courses with two asterisks (**) are highly recommended:

**Journalism**
- JOU 101 Introduction to Journalism ............................ 3
- JOU 204 Writing for the Mass Media .............................. 3
- JOU 303 News Editing .................................................. 3
- JOU 330 Web Publishing and Design ............................. 3
- JOU 387 Photojournalism I ......................................... 3
- JOU 455 Mass Media and Diversity ............................... 3
- JOU 460 Journalism in Secondary Education ................. 3

**Theatre**
- TA 126 Acting I: Fundamentals of Acting ...................... 3
- TA 150 Fundamentals of Design and Production .............. 3
- TA 171 World Theatre I .............................................. 3
- TA 267 Lighting and Sound Technology .......................... 3
- TA 271 World Theatre II ............................................ 3
- TA 273 World Theatre III .......................................... 3
- TA 274 World Theatre IV .......................................... 3
- TA 330 Theatre Directing I ......................................... 3
- TA 365 Costume Design ............................................ 3
- TA 367 Lighting Design ............................................ 3
- TA 374 Scene Design .............................................. 3

**Communications**
- *COM 181 Basic Public Speaking .................................. 3
- COM 249 Mass Media and Culture .................................. 3
- COM 252 Introduction to Interpersonal Communication .... 3
- *COM 281 Communication in Small Groups ...................... 3
- *COM 287 Persuasive Speaking ..................................... 3
- *COM 482 Studies in Persuasion ................................... 3
- *COM 584 Teaching of Communication ........................... 3

**Fine Arts**
- **A-H 105 Ancient Through Medieval Art ...................... 3
- **A-H 106 Renaissance Through Modern Art .................... 3
- A-H 309 Cross-Cultural Studies in Art ............................ 3
- Subtitle required ..................................................... 3
- **A-H 312 Studies in Greek Art ................................. 3
- Subtitle required ..................................................... 3
- A-H 323 Studies in Medieval Art ................................. 3
- Subtitle required ..................................................... 3
- **A-H 334 Studies in Renaissance Art ............................ 3
- Subtitle required ..................................................... 3
- **A-H 341 Studies in 20th Century Art ........................... 3
- Subtitle required ..................................................... 3
- A-H 343 History of Photography ................................... 3
- A-H 350 Contemporary Art ......................................... 3
- A-S 380 Black & White Darkroom Photography ............... 3
- A-S 381 Advanced Black & White Darkroom Photography .... 3

**Electives**

Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS .................................................. 120

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**B.A. in Education with a major in SECONDARY EDUCATION**

**Option: Mathematics Education**

**Requirements for Program**

This B.A. includes completion of an approved plan in the academic specialty teaching of mathematics, grades 8-12. The approved major in the academic specialties for teaching is entitled “Mathematics major for secondary education,” to distinguish it from the Arts & Sciences major. No certification is awarded with the B.A. Students desiring to go on to Masters in Education with Initial Certification must apply to The Graduate School and apply to the Secondary Mathematics Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the UK Core requirements; (2) complete the secondary mathematics major and a university-approved minor; (3) attain a grade-point average of at least 2.50 overall and in the chosen major/minor/support areas; and (4) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education .... 3

The certification program in secondary mathematics education, grades 8-12, extends and enhances the conceptual framework of the College of Education by providing the opportunities and experiences necessary for beginning teachers to reflect on the perspective of the schools and the profession. Indeed, the National Council of Teachers of Mathematics (NCTM), the principal professional organization for the mathematics education program, has for the past decade promoted teaching that fosters the development of students’ abilities to explore, conjecture, and reason logically, as well as the ability to use a variety of mathematical methods to solve non-routine problems. Teaching to meet this goal requires a great deal of reflective decision making, because what students learn depends to a large extent on how it has been learned. This certification program strives to blend the learning of mathematics with the learning of pedagogy.

**Continuous Assessment**

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires (a) 2.50 minimum GPA overall, and (b) review by a program faculty advisor for secondary mathematics education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

3. Oral and written communication skills of applicants for the MIC program in mathematics education will be assessed at the time of the interview, and through the entrance portfolio.

4. At exit from the secondary mathematics education major, grades 8-12, students will:
   a. demonstrate understanding of mathematical concepts and procedures and the connections among them;
   b. use multiple representations of mathematical concepts and procedures;
   c. reason mathematically and solve mathematical problems;
   d. communicate mathematics effectively at different levels of formality; and
   e. use historical, cultural, and contemporary perspectives in mathematics discourse.

**Statement on Student Teaching**

There is no student teaching required for completion of the secondary mathematics education, grades 8-12, major. Student teaching occurs as part of the Masters in Education with certification.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. **Intellectual Inquiry in Arts and Creativity**
   Choose one course from approved list .......................... 3

II. **Intellectual Inquiry in the Humanities**
    Choose one course from approved list .......................... 3

III. **Intellectual Inquiry in the Social Sciences**
    PSY 100 Introduction to Psychology ............................ 4

IV. **Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
    Choose one course from approved list .......................... 3

V. **Composition and Communication I**
   CIS/WRD 110 Composition and Communication I .............. 3

VI. **Composition and Communication II**
    CIS/WRD 111 Composition and Communication II ............. 3

VII. **Quantitative Foundations**
    MA 113 Calculus I .................................................. 4

VIII. **Statistical Inferential Reasoning**
    STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .................. 3

IX. **Community, Culture and Citizenship in the USA**
    Choose one course from approved list .......................... 3

X. **Global Dynamics**
    Choose one course from approved list .......................... 3

**UK Core Hours** .................................................. 32

**Program Related Studies** (15 hours)

EDC 362 Field Experiences in Secondary Education .... 3
CS 101 Introduction to Computing I ............................... 3
STA 291 Statistical Methods .......................................... 3
EDC 421 Survey of Secondary Mathematics Curriculum ....... 3
Natural Science (choose one course in an area different from the UK Core requirement) ............................ 3
The Secondary Science Education program addresses the content area requirements of Kentucky’s New Teacher Standards, National Research Council’s National Science Education Standards, and the National Science Teachers Association Guidelines. The program encourages the understanding and development of major concepts within a specialty area as well as an understanding of the interconnectedness of the sciences. Students are encouraged to apply mathematics to investigations of science, including analyses of data. It is intended that students relate the concepts of science to contemporary, historical, technological and societal issues. As future science teachers, students will need to locate resources, design and conduct inquiry-based and open-ended investigations, interpret findings, communicate results and make judgments based upon evidence. Specifically, the program encourages the teaching of science through a problem-solving, inquiry-based approach.

### Continuous Assessment

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires (a) a 2.50 minimum GPA overall, and (b) review by program faculty advisor for Secondary Science Education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

3. Oral and written communication skills of applicants for the MIC program in secondary science education will be assessed at the time of the interview, and through the entrance portfolio.

4. Admission to the Masters in Education with certification is competitive. At the time of application to the science education program, applicants will be evaluated on the basis of GPA, GRE scores, graded and on-site writing tasks, verbal communication, quality of references, commitment to teaching, social awareness, educational experiences with diverse learners, 14-18 year olds, and multicultural experiences, and quality of work in the sciences.

### Statement on Student Teaching

There is no student teaching required for completion of the secondary science education major. Student teaching occurs as part of the Masters in Education with initial certification.

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**Requirements for Program**

This B.A. includes completion of an approved plan in the academic specialty teaching of Secondary Physical Science or Biological Science. The approved majors and minors in the academic specialties for teaching are entitled physical science major for secondary education or biological science major for secondary education to distinguish them from the Arts & Sciences majors and minors. No certification is awarded with the B.A. Students desiring to go on to Masters with initial certification must apply to The Graduate School and apply to the Secondary Science Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the UK Core requirements, and Program Related Studies; (2) complete one of the Secondary Science Education plans; (3) attain grade-point average of at least 2.50, overall and in the chosen major/minor/support area; and (4) complete 100 hours of fieldwork with adolescents through the required three hour course: EDC 362 Field Experiences in Secondary Education ...

<table>
<thead>
<tr>
<th>Electives</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL HOURS</td>
<td>120</td>
</tr>
</tbody>
</table>

### B.A. in Education with a major in SECONDARY EDUCATION Option: Science Education (Biology, Physics, Chemistry, or Earth Science)

#### Majors and Minors (54-72 hours)

**Plans for Majors, Minors, and Supporting Subjects**

Candidates may choose to be certified in one of two science areas, 1) biological science, or 2) physical science. Biological science candidates must have a biological science major for secondary education and follow one of the biological science plans. Physical science candidates must have a chemistry major for secondary education, earth science major for secondary education, physical science major for secondary education, or physics major for secondary education and follow one of the physical science plans.

**Plans for Biological Science Candidates**

**Plan 1**

Major (33 hours in biological science) plus: (A) a supporting non-certifiable minor of (21 hours) in mathematics, OR (B) a supporting non-certifiable minor in one of the other sciences. The science fields from which the minor may be chosen include chemistry, earth science, and physics.

**Plan 2**

Major (33 hours in biological science) with two 12-hour supporting subjects. The 12-hour blocks of support subjects may be chosen from two of the following fields: chemistry, earth science, physics, or mathematics.

**Plan 3**

Major (33 hours in biological science) and four supporting subjects. Students selecting Plan 3 will complete a major in biology and take a total of 24 semester hours from chemistry,
earth science, physics, and mathematics, with a minimum of three semester hours in each field.

**Plans for Physical Science Candidates**

**Plan 1**
Major (33 hours in either chemistry, earth science, or physics) plus: (A) a supporting non-certifiable minor of (21 hours) in mathematics, OR (B) a supporting minor in one of the other sciences. The science fields from which the minor may be chosen include biology (non-certifiable), chemistry, earth science, and physics, and mathematics (non-certifiable).

**Plan 2**
Major (33 hours in either chemistry, earth science, or physics) with two 12-hour supporting subjects. The 12-hour blocks of support-subjects may be chosen from two of the following fields: biology, chemistry, earth science, physics, or mathematics. Courses from the major may not be applied to the support-subjects requirement.

**Plan 3**
Major (33 hours in either chemistry, earth science, or physics) and four supporting subjects. Students selecting Plan 3 will complete a total of 24 semester hours from biology, chemistry, earth science, physics, and mathematics, with a minimum of three semester hours in each field. Courses from the major may not be applied to the support-subjects requirement.

**Plan 4**
Students will complete a physical science for secondary education major. The physical science major consists of 21 hour minors in chemistry, earth science, and physics. Minors from each field must be included in the physical science major.

**Major Requirements**
All majors for secondary science education require a minimum of 33 hours.

**Biological Science Major for Secondary Education (33 hours)**

**Required Support Courses**
- CHE 105 General College Chemistry I ... 3
- CHE 107 General College Chemistry II ... 3
- CHE 111 Laboratory to Accompany General Chemistry I ... 1
- CHE 113 Laboratory to Accompany General Chemistry II ... 2
- PHY 211/213 General Physics ... 10
- CHE 231/232 General University Physics
- CHE 241/242 General University Physics
- PHYS 211/213 General Physics ... 10
- CHE 226 Analytical Chemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses**
- AST 192 Stars, Galaxies and the Universe ... 3
- PHY 231/232 General University Physics
- MA 113 Calculus I ... 4
- MA 113 Calculus II ... 3
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- GLY 230 Principles of Organic Chemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Additional courses selected with aid of advisor.**

**Earth Science Major for Secondary Education (33 hours)**

**Required Support Courses**
- CHE 105 General College Chemistry I ... 3
- CHE 107 General College Chemistry II ... 3
- CHE 111 Laboratory to Accompany General Chemistry I ... 1
- CHE 113 Laboratory to Accompany General Chemistry II ... 2
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses**
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses for Major**
- MA 113 Calculus III ... 4
- MA 214 Calculus IV ... 4
- MA 214 Calculus IV ... 4

**Note:** Students should note that earth science is generally taught in Kentucky at the eighth grade level. In many states it is taught at the ninth grade level; therefore, secondary OR middle school certification could be required. You must decide the level of certification that fits your needs. If you plan to teach in Kentucky, you may want to follow either of the following options: 1) obtain science certification through the middle school program or 2) obtain earth science certification through the secondary education program. Currently, the Kentucky Department of Education is allowing secondary science teachers to teach science in the 7th and 8th grades without having middle school certification. The option for secondary certification provides more extensive content preparation in earth science.

**Physical Science Major for Secondary Education (33 hours)**

**Required Support Courses**
- CHE 105 General College Chemistry I ... 3
- CHE 107 General College Chemistry II ... 3
- CHE 111 Laboratory to Accompany General Chemistry I ... 1
- CHE 113 Laboratory to Accompany General Chemistry II ... 2
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses**
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses for Major**
- CHE 105 General College Chemistry I ... 3
- CHE 107 General College Chemistry II ... 3
- CHE 111 Laboratory to Accompany General Chemistry I ... 1
- CHE 113 Laboratory to Accompany General Chemistry II ... 2
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses**
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Note:** Students should note that earth science is generally taught in Kentucky at the eighth grade level. In many states it is taught at the ninth grade level; therefore, secondary OR middle school certification could be required. You must decide the level of certification that fits your needs. If you plan to teach in Kentucky, you may want to follow either of the following options: 1) obtain science certification through the middle school program or 2) obtain earth science certification through the secondary education program. Currently, the Kentucky Department of Education is allowing secondary science teachers to teach science in the 7th and 8th grades without having middle school certification. The option for secondary certification provides more extensive content preparation in earth science.

**Physical Science Major for Secondary Education (33 hours)**

**Required Support Courses**
- CHE 105 General College Chemistry I ... 3
- CHE 107 General College Chemistry II ... 3
- CHE 111 Laboratory to Accompany General Chemistry I ... 1
- CHE 113 Laboratory to Accompany General Chemistry II ... 2
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Recommended Support Courses**
- CHE 230 Organic Chemistry I ... 3
- CHE 231 Organic Chemistry Laboratory I ... 2
- CHE 232 Organic Chemistry Laboratory II ... 3
- CHE 233 Organic Chemistry Laboratory II ... 2
- CHE 236 Analytical Chemistry ... 3
- CHE 401G Fundamentals of Biochemistry ... 3
- CHE 440G Introductory Physical Chemistry ... 4

**Note:** Students should note that earth science is generally taught in Kentucky at the eighth grade level. In many states it is taught at the ninth grade level; therefore, secondary OR middle school certification could be required. You must decide the level of certification that fits your needs. If you plan to teach in Kentucky, you may want to follow either of the following options: 1) obtain science certification through the middle school program or 2) obtain earth science certification through the secondary education program. Currently, the Kentucky Department of Education is allowing secondary science teachers to teach science in the 7th and 8th grades without having middle school certification. The option for secondary certification provides more extensive content preparation in earth science.
College of Education

PHY 231/232 General University Physics
and
PHY 241/242 General University Physics Laboratory .................................................. 10
PHY 361 Principles of Modern Physics ................................................................. 3
PHY electives (chosen with aid of advisor)

Earth Science:
AST 191 The Solar System ................................................................. 3
AST 192 Stars, Galaxies and the Universe ......................................................... 3
GLY 220 Principles of Physical Geology .......................................................... 4
or
GLY 223 Introduction to Geology in the Rocky Mountains ........................................... 6
GLY 230 Fundamentals of Geology I .............................................................. 3
GLY 235 Fundamentals of Geology II .............................................................. 3
GLY 360 Meteorology
or
GLY 401G Invertebrate Paleobiology and Evolution ........................................... 3-4
Earth Science Electives (chosen with aid of advisor)

Recommended Courses for Physical Science Major
CHE 232 Organic Chemistry II ................................................................. 3
CHE 233 Organic Chemistry Laboratory II ....................................................... 2
BCH 401 Fundamentals of Biochemistry .......................................................... 3
CHE 440G Introductory Physical Chemistry ...................................................... 4
GLY 360 Meteorology
or
GLY 401G Invertebrate Paleobiology and Evolution ........................................... 3-4

Physics Major for Secondary Education (33 hours)

Required Support Courses
CHE 105 General College Chemistry I .......................................................... 3
CHE 107 General College Chemistry II ............................................................ 3
CHE 111 Laboratory to Accompany General Chemistry I ....................................... 1
CHE 113 Laboratory to Accompany General Chemistry II ..................................... 1
MA 113 Calculus I ....................................................................................... 4
MA 114 Calculus II ..................................................................................... 4
MA 230 Weather and Climate ................................................................. 3
PHY 404G Mechanics ................................................................................ 3
PHY 417G Electricity and Magnetism ............................................................... 3

Recommended Support Courses
MA 213 Calculus III .................................................................................. 4
*MA 214 Calculus IV .................................................................................... 3

*Note mathematics requirements for upper-level physics courses.

Required for Major
PHY 231/232 General University Physics ....................................................... 5
PHY 241/242 General University Physics Laboratory ........................................... 5
PHY 361 Principles of Modern Physics ............................................................. 3
PHY electives (chosen with aid of advisor)

Recommended for Major
AST 191 The Solar System

Earth Science Electives (chosen with aid of advisor)

Recommended for Major
PHY 151 Introduction to Physics ................................................................. 3
AST 192 Stars, Galaxies and the Universe

*Note: A maximum of six hours of astronomy may be counted toward the 21 hour physics requirement. A student may not count both the AST 191, 192 and PHY 151, 152 sequences toward the physics major for secondary education. If PHY 151 and PHY 152 are applied to the major, they must be completed prior to taking the PHY 231, 241, 232, 242 sequence.

MINOR REQUIREMENTS

A minor in one of the sciences or mathematics is required for plans I of the biological science and physical science certification areas. See plans for details. Students are not certified to teach in a minor area. However, physical science for secondary education majors are certified to teach chemistry, earth science, and physics. All minors for secondary education require a minimum of 21 hours.

Biological Science Minor for Secondary Education (21 hours)

Required Support Courses
CHE 105 General College Chemistry I .......................................................... 3
CHE 107 General College Chemistry II ............................................................ 3
CHE 111 Laboratory to Accompany General Chemistry I ....................................... 1
CHE 113 Laboratory to Accompany General Chemistry II ..................................... 2

Required for Minor
BIO 150 Principles of Biology I ........................................................................ 3
BIO 151 Principles of Biology Laboratory I ....................................................... 2
BIO 152 Principles of Biology II ......................................................................... 3
BIO 153 Principles of Biology Laboratory II ..................................................... 2
CHE 325 Ecology ......................................................................................... 4
BIO 304 Principles of Genetics
or
ABT 360 Genetics ....................................................................................... 3-4

Recommended for Minor
Additional courses selected with aid of advisor.

Chemistry Minor for Secondary Education

Required for Minor
CHE 105 General College Chemistry I .......................................................... 3
CHE 107 General College Chemistry II ............................................................ 3
CHE 111 Laboratory to Accompany General Chemistry I ....................................... 1
CHE 113 Laboratory to Accompany General Chemistry II ..................................... 2

Required for Minor
CHE 230 Organic Chemistry I .......................................................................... 3
CHE 231 Organic Chemistry Laboratory I .......................................................... 2
CHE 232 Organic Chemistry II .......................................................................... 3
CHE 233 Organic Chemistry Laboratory II ......................................................... 2
CHE 226 Analytical Chemistry ........................................................................... 3-4
or
BCH 401G Fundamentals of Biochemistry ......................................................... 3

Recommended for Minor
Additional courses selected with aid of advisor.

Earth Science Minor for Secondary Education*

Required for Minor
AST 191 The Solar System

Recommended Courses
CHE 105 General College Chemistry I .......................................................... 3
CHE 107 General College Chemistry II ............................................................ 3
CHE 111 Laboratory to Accompany General Chemistry I ....................................... 1
CHE 113 Laboratory to Accompany General Chemistry II ..................................... 2

Recommended for Minor
CHE 230 Organic Chemistry I .......................................................................... 3
CHE 231 Organic Chemistry Laboratory I .......................................................... 2
CHE 232 Organic Chemistry II .......................................................................... 3
CHE 233 Organic Chemistry Laboratory II ......................................................... 2
CHE 226 Analytical Chemistry ........................................................................... 3-4
or
BCH 401G Fundamentals of Biochemistry ......................................................... 3

*Note: A maximum of nine hours of astronomy may be counted toward the 21 hour physics requirement. A student may not count both the AST 191, 192 and PHY 151, 152 sequences toward the minor. If PHY 151 and PHY 152 are applied to the major, they must be completed prior to taking the PHY 231, 241, 232, 242 sequence.

Electives
Electives for 120 total credit hours chosen with the help of an advisor.

TOTAL HOURS .................................................................................. 120
Requirements for Program

This B.A. includes completion of an approved plan in the academic specialty teaching social studies. The approved majors and minors in the academic specialties for teaching are entitled “history major for secondary education,” etc., to distinguish them from the Arts & Sciences majors and minors. No certification is awarded with the B.A. Students desiring to go on to Master’s with Initial Certification must apply to The Graduate School and apply to the Secondary Social Studies Education Program Faculty in the spring of their senior year.

To receive the B.A. degree, students must: (1) complete the UK Core requirements; (2) complete one of the secondary social studies education plans; (3) attain a grade-point average of at least 2.50 overall and in the major/minor/support areas; and (4) complete 100 hours of fieldwork with adolescents through the required three hour course:

EDC 362 Field Experiences in Secondary Education .......................... 3

Following completion of the secondary social studies major, students will demonstrate the following: (1) an effective understanding of American society, its past and contemporary situation, and its place in the larger world; (2) an ability to apply social science concepts and use inquiry and interpretive skills; (3) a historical perspective; (4) a multicultural and global perspective; and (5) an ability to learn from participation in the community (from local to global) affairs and service. Students should consider experiences such as study abroad and internships in government and social agencies, as well as course work, in preparation for social studies teaching.

Continuous Assessment

1. All secondary education majors must be admitted to advanced standing after completing 60 hours. Advanced standing requires: (A) 2.50 minimum GPA overall; (B) 2.50 minimum GPA in course work leading to completion of Plan I or Plan 2; and (C) review by program faculty advisor for secondary social studies education.

2. Because certification occurs through the Masters in Education including certification (MIC), students should be aware that they will need to be formally admitted to the MIC program. Admission/Retention/Exit regulations for all teacher certification programs are specified in the section “Admission, Retention and Exit from Teacher Education Programs” on pages 187-188.

3. Oral and written communication skills of applicants for the MIC program in social studies education will be assessed at the time of the interview, and through the entrance portfolio.

4. Admission to the Masters in Education with initial certification is competitive.
   a. Students are reminded that they will be teaching about the whole world; somewhere in the 66 hours they should have at least one course about each world region. Students are strongly urged to complete the 12-hour campus-wide International Studies Concentration or one of the 12-hour plus foreign language World Regional/Foreign Language Concentrations.
   b. Students also need to be prepared to teach U.S. history from an interdisciplinary perspective and a multicultural perspective. Students are strongly urged to take 12 hours as an American Studies Emphasis, with at least one course in the humanities and at least two courses dealing with diversity in the U.S.
   c. Students need breadth and depth. Students are strongly urged to take nine hours in two of the subjects in their support area. Courses may double-count in UK Core in Plan 1 or 2 and in the 12-hour blocks.

Statement on Student Teaching

There is no student teaching required for completion of the secondary social studies education major. Student teaching occurs as part of the Masters in Education with certification.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................................... 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list ........................................... 3

III. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ........................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ........................................... 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ..................... 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II ..................... 3

VII. Quantitative Foundations
   Choose one course from approved list ........................................... 3

VIII. Statistical Inferential Reasoning
   Choose one course from approved list ........................................... 3

IX. Community, Culture and Citizenship in the USA
   Choose one course from approved list ........................................... 3

X. Global Dynamics
   Choose one course from approved list ........................................... 3

UK Core Hours .......................................................... 30

Program Related Studies (3 hours)

EDC 362 Field Experiences in Secondary Education .......................... 3

Majors and Minors (66-72 hours)

Students must complete Plan 1 or 2 in history and social sciences for secondary education.

Plan 1

Major in history (36 hours) with a minor (21 hours) in anthropology, economics, geography, political science, psychology, or sociology, and a support area (15 hours) which includes one course from each of the social sciences not chosen as minor.

Plan 2

Major (at least 30 hours) in anthropology, economics, geography, political science, psychology, or sociology, with a minor (21 hours) in history and a support area (15 hours) which includes one course from each of the social sciences not chosen as major.

History Major for Secondary Education (36 hours)

Required (18 hours)

HIS 104 A History of Europe Through the Mid-Seventeenth Century ....................................................... 3
HIS 105 A History of Europe From the Mid-Seventeenth Century to the Present ........................................ 3
HIS 108 History of the United States Through 1876 .................. 3
HIS 109 History of the United States Since 1877 ..................... 3
HIS 301 History Workshop:
   Introduction to the Study of History ......................................... 3
HIS 499 Senior Seminar for History Majors
   (Subtitle required) ...................................................................... 3

Twelve of the other 18 credits must be history courses numbered 300 to 599. There must be some chronological diversity, with at least six hours of U.S. history above the 100 level and at least nine hours in history of other regions of the world, which will give the student the broad background necessary to teach World Civilization .......................... 18

History Minor for Secondary Education (21 hours)

Required (12 hours)

HIS 104 A History of Europe Through the
   Mid-Seventeenth Century ....................................................... 3
HIS 105 A History of Europe From the
   Mid-Seventeenth Century to the Present .................................. 3
HIS 108 History of the United States Through 1876 ............. 3
HIS 109 History of the United States Since 1877 ..................... 3

Plus nine hours which will give students a broad preparation for teaching U.S. History and World Civilization. At least six hours should be at the 300 level or above ....... 9

Anthropology Major for Secondary Education (33 hours)

Required (6 hours)

ANT 220 Introduction to Cultural Anthropology ..................... 3
ANT 230 Introduction Biological Anthropology ....................... 3

Anthropological Theory (9 hours)

ANT 301 History of Anthropological Theory ......................... 3
ANT 433 Social Organization ..................................................... 3

One of the following: ANT 338, 429, 430G, 450, 525, 526, 532 ................................................. 3

Research Methodology (3 hours)

ANT 490 Anthropological Research Methods .......................... 3

Option 1 – Regional Specialization (6 hours)

Two courses from the same culture area, one ethnology and one culture history.

Ethnology courses are: ANT 221, 324, 428G, 431G, 534.

Culture history courses are: ANT 241, 242, 320, 322, 342, 555.
College of Education

Option 2 – Cross-Cultural Comparison (6 hours)
Two ethnology courses, each representing a contrasting area.
Ethnology courses are: ANT 221, 428G, 431G, 534.

Subdisciplinary Breadth (6 hours)
One course in archaeology and one in physical anthropology.

Senior Tutorial Seminar
ANT 582 Senior Integrative Seminar 3

Anthropology Minor for Secondary Education (21 hours)

Required (6 hours)
ANT 220 Introduction to Cultural Anthropology 3
ANT 230 Introduction to Biological Anthropology 3

Select one course from each of the four areas and one elective (15 hours)

1. Archaeology
ANT 240 Introduction to Archaeology 3
ANT 242 Origins of New World Civilization 3
ANT 320 Andean Civilization 3
ANT 322 Ancient Mexican Civilizations 3

2. Area Studies
ANT 221 Native People of North America 3
ANT 324 Contemporary Latin American Cultures 3
ANT 327 Culture and Societies of India 3
ANT 428G Contemporary Cultures and Societies in Southeast Asia 3
ANT 431G Cultures and Societies of Sub-Saharan Africa 3

3. Physical Anthropology
ANT 332 Human Evolution 3
ANT 333 Contemporary Human Variation 3

4. Social and Cultural Anthropology
ANT 301 History of Anthropological Theory 3
ANT 338 Economic Anthropology 3
ANT 401 Gender Roles in Cross-Cultural Perspective 3
ANT 433 Social Organization 3
ANT 525 Applied Anthropology 3
ANT 526 Psychological Anthropology 3
ANT 532 Anthropology of the State 3

Economics Major for Secondary Education (30 hours)

Required (12 hours)
ECO 201 Principles of Economics I 3
ECO 202 Principles of Economics II 3
ECO 401 Intermediate Microeconomic Theory 3
ECO 402 Intermediate Macroeconomic Theory 3

Select for breadth any five of the courses listed for the major, excluding ECO 401 and 402 (15 hours)

Geography Major for Secondary Education (36 hours)
GEO 130 Earth’s Physical Environment 3
GEO 172 Human Geography 3
GEO 152 Regional Geography of the World 3
or
GEO 160 Lands and Peoples of the Non-Western World 3
or
GEO 300 Geographic Research 3
GEO 305 Elements of Cartography 3
GEO 310 Quantitative Techniques in Geography 3

For breadth take at least one regional course and one thematic course in geography numbered at the 300 level or above (six hours)

Core Requirements
Select a minimum of 12 hours of courses within geography numbered at the 200 level or above (12 hours)

Geography Minor for Secondary Education (21 hours)
GEO 130 Earth’s Physical Environment 3
GEO 172 Human Geography 3
GEO 152 Regional Geography of the World 3
or
GEO 160 Lands and Peoples of the Non-Western World 3
GEO 300 Geographic Research 3
or
GEO 305 Elements of Cartography 3
or
GEO 310 Quantitative Techniques in Geography 3

Nine additional hours in geography at the 200 level or above (nine hours)

Political Science Major for Secondary Education (30 hours)

Required
PS 101 American Government 3

Select two (six hours)
PS 210 Introduction to Comparative Politics 3
PS 212 Culture and Politics in the Third World 3
PS 235 World Politics 3
PS 240 Introduction to Political Theory 3
PS 372 Introduction to Political Analysis 3

Plus a minimum of 21 additional semester hours, of which at least 15 must be at the 300 level or above. In order to expose the student to the various subfields of political science, the combination of courses selected must include at least one course in each of the subfields I, 2, and 3 below, as well as one course in another subfield (21 hours)

1. Theory and Methodology
PS 240 Introduction to Political Theory 3
PS 372 Introduction to Political Analysis 3
PS 441G Early Political Theory 3
PS 442G Modern Political Theory 3
PS 545 American Political Thought 3

2. Comparative Government
PS 210 Introduction to Comparative Politics 3
PS 212 Culture and Politics in the Third World 3
PS 411G Comparative Government – Parliamentary Democracies I 3
PS 412G Comparative Government – Parliamentary Democracies II 3
PS 417G Survey of Sub-Saharan Politics 3
PS 419G The Governments and Politics of Eastern Asia 3

PS 427G East European Politics 3
PS 428G Latin American Government and Politics 3
PS 429G Government and Politics in Russia and the Post-Soviet States 3

3. International Relations
PS 235 World Politics 3
PS 412G Comparative Government – Parliamentary Democracies II 3
PS 436G International Organization 3
PS 437G Dynamics of International Law 3
PS 439G Special Topics in International Relations (Subtitle required) 3
PS 538 Conflict and Cooperation in Latin American Relations 3

4. Political Process
PS 470G American Political Parties 3
PS 472G Political Campaigns and Elections 3
PS 473G Public Opinion 3
PS 474G Political Psychology 3
PS 475G Politics and the Mass Media 3
PS 476G Legislative Process 3
PS 479 Women and Politics 3
PS 480G Government and the Economy 3
PS 484G The American Presidency 3
PS 571 Interest Groups 3

5. Public Administration
PS 489G The Analysis of Public Policy 3
PS 580 The Budgetary Process 3

6. Public Law and Judicial Behavior
PS 461G Civil Liberties 3
PS 463G Judicial Politics 3
PS 465G Constitutional Law 3

7. State and Local Government
PS 456G Appalachian Politics 3
PS 458 American State and Local Government 3
PS 557 Kentucky Government and Politics 3

Note: The subfield designation for PS 391, PS 395, and PS 492 varies with the topic covered. Check with the department for current offerings relevant to social studies.

Political Science Minor for Secondary Education (21 hours)

Required
PS 101 American Government 3

Select two (six hours)
PS 210 Introduction to Comparative Politics 3
PS 212 Culture and Politics in the Third World 3
PS 235 World Politics 3
PS 240 Introduction to Political Theory 3
PS 372 Introduction to Political Analysis 3

Twelve additional hours, of which at least nine must be at the 300 level or above.

Breadth requirement: same as for major; select one course from subfields listed for the major (12 hours)

Psychology Major for Secondary Education (30 hours)

Required (13 hours)
PSY 101 Introduction to Psychology 4
PSY 313 Personality and Individual Differences 3
PSY 314 Social Psychology and Cultural Processes 3
PSY 533 Abnormal Psychology 3

Select one (3 hours)
PSY 331 The Psychology of Adjustment 3
PSY 448 Applied Social Psychology 3
PSY 449 Interpersonal Processes 3
**College of Education**

**DEGREE PROGRAMS OUTSIDE THE COLLEGE OF EDUCATION**

**B.A. with a major in ART EDUCATION**

The requirements for K-12 art education are listed in the Fine Arts section of this Bulletin.

**COMMUNICATION DISORDERS**

The undergraduate and graduate programs in communication disorders are now part of the Department of Rehabilitation Sciences in the College of Health Sciences. Prospective students should refer to the Health Sciences section of this Bulletin.

**B.M.M.E. with a major in MUSIC EDUCATION**

The requirements for K-12 music education are listed in the Fine Arts section of this Bulletin.

**BACHELOR OF SCIENCE IN CAREER AND TECHNICAL EDUCATION**

Requirements are listed in the College of Agriculture and School of Human Environmental Sciences section of this Bulletin.

**Undergraduate Initial Educator Licensure Programs for Persons Already Holding a Bachelor’s Degree**

The College of Education offers undergraduate programs leading to initial certification in early elementary education and middle school education for candidates who already hold a bachelor’s degree from a regionally-accredited institution of higher education. These expedited programs are designed to take advantage of candidates’ age and life experiences and to shorten the time required for program completion. They do not lead to a UK bachelor’s degree. Documents describing these programs are available from Academic Services and Teacher Certification, 166 Taylor Education Building, or from the Department of Curriculum and Instruction, 335 Dickey Hall. All College of Education Admission, Retention and Exit to Teacher Education Programs rules apply to these programs. In addition, candidates must adhere to policies relating to field placements and character and fitness reviews. Interested persons are encouraged to see an advisor before enrolling in any courses associated with these programs.
The College of Engineering offers programs leading to undergraduate and graduate degrees in computer science and the following engineering disciplines – biosystems, chemical, civil, computer, electrical, materials, mechanical, and mining. Graduate training in biomedical engineering is also offered through the Colleges of Engineering and Medicine. The College also offers a highly multidisciplinary master of science in manufacturing systems engineering to address the growing need for enhancing manufacturing productivity and quality.

Creative accomplishment in the career of an engineer or computer scientist depends upon an education that stresses major ideas and fundamental concepts of engineering rather than specific technologies. The academic programs in engineering provide a sound background in the mathematical, physical and engineering sciences blended with the social sciences and humanities to ensure both a thorough education in engineering and a liberal education. Such an approach provides the best preparation for the engineer or computer scientist who must envisage and develop the technologies of the future and deal with scientific advances at present unknown.

The various curricula in the College of Engineering are broad, so that no student is limited to a narrow field of specialized knowledge but receives sufficient technical depth to provide a sound preparation for a professional career.

The first engineering degree from the University of Kentucky was granted in 1890. Since that time over 21,000 degrees have been awarded in the various fields of engineering. Among the alumni of the College of Engineering are those who have distinguished themselves in the major fields of industry, government and education.

Concern for the individual is a most important feature of education in the College of Engineering. Close faculty-student relationships are necessarily a meaningful part of the educational process. The faculty, in addition to their duties related to instruction and research, serve as advisors to the student in the preparation of the academic program best matched to the student’s needs and intellectual capabilities.

**Accreditation**

The undergraduate program in Computer Science is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – telephone: (410) 347-7700.

The undergraduate programs in Biosystems Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Materials Engineering, Mechanical Engineering and Mining Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – telephone: (410) 347-7700.

**Undergraduate Programs in Engineering**

The University of Kentucky grants the following degrees in the College of Engineering:

- Bachelor of Science in Biosystems Engineering
- Bachelor of Science in Chemical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Computer Engineering
- Bachelor of Science in Computer Science
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Materials Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Mining Engineering

While these are the official degrees granted at the bachelor’s level in the college, the prospective student is encouraged to study the wide variety of options available through technical electives, some of which are listed following the degree requirements of each department. Technical electives are included in each curriculum to allow the student to apply the fundamentals of a particular discipline to an area of special interest during the senior year.

Students in any department interested in biomedical engineering may arrange through their advisor to take courses that will satisfy the degree requirements for this program.

In response to industry requests, the College of Engineering and the Gatton College of Business and Economics have joined to offer a coordinated Bachelor of Science in Engineering and Masters of Business Administration. The intense five-year program may require summer courses to remain on track to complete the engineering part in four years. The MBA will be taken during a student’s fifth year of study beginning in July and finishing the following June. In addition, students in the program will be required to complete a study abroad program designed specifically for the engineering/business student. This program will be conducted immediately upon completion of the MBA course requirements and the majority of costs will be paid by the program. Students earning a 3.25 or better GPA and having completed their junior year will be identified and will receive a letter asking them to apply for the program. Admission is highly competitive and is limited to 15 students. Selection is based on past academic performance, communication skills, and commitment to the program.

For engineering students interested in manufacturing, the University offers a dual-degree program. This program allows students pursuing a B.S. in Electrical Engineering or Mechanical Engineering to concurrently enroll in the M.S. in Manufacturing Systems Engineering. The BSEE/MSMSE or BSME/MSMSE dual-degree programs can be completed in five years. Students in the program can participate in intensive summer courses in Lean Manufacturing. Students in the program are strongly encouraged to be Co-op students or to do industry internships to supplement their course work with industry experience. During their junior year, students should apply to the Graduate School for admittance into the dual-degree program.

Graduate programs in the engineering fields of study are listed in The Graduate School section of this Bulletin.
ADMISSION POLICY

The minimum entry requirement for admission into the College of Engineering is:

- ACT math score of 23 or higher, or the SAT equivalent.

Four alternative admission routes include:

1. A 3 or above on the Calculus AB portion of the Advanced Placement Exam;
2. Eligibility to enter MA 110 based on the UK Math Department Placement Exam;
3. Completion of or the equivalent of MA 110 with a grade of C or higher;
4. Completion of or the equivalent of MA 109 and MA 112 with a grade of C or higher.

Newly admitted pre-engineering or pre-computer science students are allowed to choose an open major for one semester (12 credit minimum) called General Engineering. All students must select a program before the end of their first semester, preferably when they register for classes for their second semester.

Application must be made for admission to a specific pre-engineering program. However, subsequent transfer between programs will be permitted and may be accomplished by applying and satisfying the appropriate criteria.

All undergraduate degree programs are divided into pre-engineering and engineering. Pre-engineering is broadly defined as the first two years of a program, while engineering is broadly defined as the last two years of the program. Every student must be admitted to engineering standing in a specific program prior to graduation.

Engineering Standing Admission

Admission to engineering standing in a degree program is necessary in order to be granted a baccalaureate degree in engineering or computer science. Specific departmental requirements for admission to engineering standing are noted below. The same criteria are applied to transfer students with the equivalence of courses determined by the Director of Undergraduate Studies. A student must apply to the specific department for admission to engineering standing. Note: The cumulative grade-point average includes all listed college-level work taken at the University of Kentucky or elsewhere.

Students can request qualification for engineering standing after completing the required set of standing courses in the first three semesters of the published curriculum in their chosen program. Each program can specify its engineering standing requirements, but no program may specify a GPA higher than 2.50 for engineering standing.

Requirements by a program for engineering standing may include many items, such as courses counted in first three semesters, repeat options allowed, number of applications for engineering standing allowed, restrictions on taking upper-level courses, minimum course grades, etc. A student should refer to the UK Bulletin and the undergraduate advisor in their program of choice to identify the specific requirements.

Biomedical Engineering: Completion of a minimum of 35 semester hours acceptable towards the degree in biomedical engineering with a minimum cumulative grade-point average of 2.50. Completion of CIS/WRD 110, MA 113, MA 114, MA 213, CHE 105 and PHY 231 with a minimum cumulative GPA of 2.5 in these courses. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if both of these GPA values are 2.25 or greater.

Chemical Engineering: Completion of CHE 105, CHE 107, CHE 111, CHE 113, MA 114, MA 213, PHY 231, PHY 241, CIS/WRD 110 with a minimum cumulative grade-point average of 2.50 in these courses. Completion of CHE 200 with a grade of C or better. University repeat options may be applied as appropriate.

Civil Engineering: Completion of CE 106, CE 120, CE 211, CHE 105, CHE 107, EM 221, CIS/WRD 110, MA 113, MA 114, MA 213, PHY 231, PHY 241 with a minimum cumulative grade-point average (GPA) of 2.50 in these classes and a C or better in each of them as well as at least a cumulative grade-point average of 2.50 in these courses. University repeat options may be utilized. Students who do not meet this GPA requirement may request consideration based upon departmental review if this core GPA is 2.25 or greater. Students are limited to two applications for engineering standing.

Computer Engineering: Completion of a minimum of 35 semester hours acceptable towards the degree in engineering with a minimum cumulative grade-point average of 2.50. Completion of MA 113, MA 114, MA 213, PHY 231, CHE 105, and CIS/WRD 110 with a minimum cumulative GPA of 2.50 in these courses. Completion of EEE 211, EE 280, CS 115 and CS 215 with a minimum cumulative GPA of 2.50 in these courses. University repeat options may be utilized as appropriate. In addition, the Electrical and Computer Engineering Department will not permit a third admission into any of these courses. Students who do not meet these GPA requirements may request consideration based upon departmental review if both of these GPA values are 2.25 or greater.

Materials Engineering: Completion of CHE 105, CHE 107, CHE 111, CHE 113, MA 113, MA 114, MA 213, PHY 231, PHY 241, CIS/WRD 110 with a minimum cumulative grade-point average of 2.50 in these courses. Completion of MSE 201 with a grade of C or better. University repeat options may be applied as appropriate.

Mechanical Engineering: Mechanical Engineering students must have completed at least 35 semester credit hours applicable to the degree program with a minimum cumulative GPA of 2.50. In addition, completion of ME 101, CIS/WRD 110 and CIS/WRD 111 (or transfer equivalent courses), CHE 105, MA 113, MA 114, MA 213, PHY 231 and PHY 241 with a minimum cumulative GPA of 2.50 in these courses.

Students who have received more than 35 hours transfer credit in the degree program will be considered without the inclusion of ME 101. A student may exercise one of his/her official University repeat options to improve this grade-point average.

Written request, for exception to the allowed number of repeats, should be submitted to the Director of Undergraduate Studies. In no case will there be an exception made to the minimum acceptable grade-point averages listed above.

Mining Engineering: Completion of a minimum of 35 semester hours acceptable towards the degree in mining engineering with a minimum cumulative grade-point average of 2.50. Completion of CIS/WRD 110, MA 113, MA 114, MA 213, CHE 105 and PHY 231 with a minimum cumulative GPA of 2.50 in these courses. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if both of these GPA values are 2.25 or greater.

COMBINED DEGREE PROGRAM

The College of Engineering has transfer agreements with several institutions throughout the state. Some of these institutions offer a “3/2” year dual degree program. Other academic institutions choose to offer this option to their students without benefit of a formal agreement. These programs enable students to enroll in a pre-engineering curriculum for the first three years at
their respective schools and then transfer to the College of Engineering for the final two years. Upon completion, they receive two degrees, one from the school at which they originally enrolled and the other a Bachelor of Science in the appropriate field of engineering from the University of Kentucky.

**COOPERATIVE EDUCATION PROGRAM**

The nationally recognized engineering co-op program provides students the opportunity to gain practical work experience before graduation. By alternating semesters of academic study with semesters of salaried, full-time career-related employment, a full year of engineering work experience can be presented on a graduate resume. Students who wish to participate in the Cooperative Education program in the College of Engineering should contact the Director of Cooperative Education.

To be eligible for this program, students should have a minimum grade-point average of 2.5. In addition, students should be making sufficient progress in their curriculum prior to the first work tour, which should begin after the sophomore year has been completed. Students will remain on a full-time, continuing student status while they are at work by registering for a one-hour, pass/fail course. The grade, assigned by the director, is based on both a work report written by the student and an evaluation completed by the immediate supervisor. Six months of the year’s co-op experience counts toward total experience required to sit for the Professional Engineer exam in Kentucky.

The Cooperative Education program contributes significantly to the student’s academic motivation, career preparation, and success with job offers upon graduation. One-third of our students and nearly 100 employers nationwide participate in the UK program.

**CONTINUING EDUCATION AND EXTENSION**

The College of Engineering recognizes the rapid changes occurring in modern engineering technology. Students in engineering are made aware of the need to continue their studies after graduation. One of the ways to keep abreast of advances in engineering is for graduates and other engineering practitioners to participate in continuing education programs now available through the engineering colleges throughout the country.

The responsibilities of the Technology Exchange Program within the Kentucky Transportation Center, the Lean Manufacturing Program within the Center for Manufacturing at the University of Kentucky and the staff of the former Office for Informational Services and Technical Liaison (OISTL), now administratively housed in the Department of Mining Engineering, are to:

1. create and manage appropriate intensive noncredit technical courses of interest to and needed by practicing engineers;
2. develop appropriate video-based courses and materials to be of interest to practicing engineers. Such activity includes taping, live satellite uplinking, and two-way video/audio of engineering-related courses and activities, Web-based instruction; and,
3. provide assistance in extension activities with other college and University units to be of assistance to engineers throughout the state.

**SCHOLARSHIPS**

The College of Engineering awards merit-based scholarships to incoming freshman and transfer students as well as to students already enrolled in the College. Freshman scholarship applications are due January 15; transfer scholarship applications are due April 15 for students incoming in the fall, and November 15 for students incoming in the spring; and continuing student applications are due April 15. Awards are made for the upcoming academic year; no new awards are made for the spring semester for freshmen and continuing students.

For further information, visit www.engr.uky.edu/scholarships.

**ENGINEERING DEAN’S LIST**

Students enrolled in the College of Engineering can make the Engineering Dean’s List for a fall or spring semester by meeting the following requirements during the semester:

- 3.6 or better semester GPA;
- 12 or more credit hours;
- no E, I or F grades;
- no grades out; and
- no more than 3 hours pass/fail.

**MINIMUM REQUIREMENTS FOR GRADUATION**

**NOTE:** The following graduation requirements apply to engineering programs only. Separate graduation requirements currently apply to the Computer Science program as described in the corresponding section.

To be awarded a Bachelor of Science degree in any field of engineering, a student must:

1. complete the University and College requirements relating to writing and the UK Core.
2. complete a minimum of 128 hours, exclusive of those earned in freshman college algebra and freshman college trigonometry, with a cumulative standing of not less than 2.0 on a 4.0 scale. In all departments the course requirements exceed this 128 hour minimum.
3. be admitted to engineering standing in an engineering program for at least the final semester, and complete the requirements of that program.
4. complete a minimum of 24 credit hours of departmental courses at or above the 300 level.
5. complete all departmental courses and technical electives with a cumulative standing of 2.0 or higher.
6. complete any additional departmental graduation requirements that may be listed below.

**Additional Departmental Graduation Requirements**

In the B.S. program in Civil Engineering, the student must earn a C or better in each CE prefix course, except that a maximum of one D is permitted in a CE prefix course numbered 400 or higher. In addition, a C or better must be earned in EM 221 and EM 302.

In the Mining Engineering Department, the student must have earned a grade of C or better in the following courses that are valuable for safe operation of mines: MNG 341, Mine Ventilation; MNG 551, Rock Mechanics; MNG 591, Mine Design Project I; and MNG 592, Mine Design Project II.

**Second Bachelor’s Degree Requirements**

A student who has earned a bachelor’s degree in the College of Engineering may earn a second bachelor’s degree by meeting the following three conditions on the work applicable to the second degree:

1. The student must have been admitted to engineering standing in the program leading to the second degree at least for the final semester, or equivalent terms, prior to the completion of the degree requirements, and must be enrolled as a student in that degree program during the final semester or term.
2. The student must complete a minimum of 15 credit hours of departmentally approved courses at or above the 300 level.
3. To earn a second degree, a student must complete all degree requirements in that program.

**ACADEMIC ADVISING**

Sophomores, juniors, and seniors are advised jointly by faculty and professional staff in the department of the student’s major. Professional staff provide academic advising and support services to entering freshman students through the Freshman Advising Center.

It is the students’ responsibility to satisfy University and College requirements with consultation from their advisor.

**PROBATION AND ACADEMIC SUSPENSION**

Students should refer to the Academic Requirements section of this Bulletin for information concerning the College of Engineering’s probation and academic suspension rules.
BACHELOR OF SCIENCE IN BIOSYSTEMS ENGINEERING

Biosystems engineering provides an essential link between the biological sciences and the engineering profession. This linkage is essential for the development of production and processing systems involving biological materials that preserve our natural resource base. Students have the latitude to develop an area of specialization relating to bioenvironmental engineering, food and bioprocessing, machine systems, or controlled environment engineering. The curriculum is also ideal preparation for those students wanting to pursue a graduate or professional degree in biomedical engineering or veterinary medicine through pre-biomedical engineering and pre-veterinary medicine options.

Engineers completing this program of study find employment in industries related to the production and processing of biological products. Opportunities include placement with manufacturers, consulting firms, or state and federal regulatory agencies. Biosystems engineers may work in the areas of biomedical/biotechnology engineering; environmental engineering; agricultural equipment; heating, ventilation and refrigeration equipment; food processing industries; livestock equipment and housing or greenhouse structures; and bioenergy.

The program educational objectives of the biosystems engineering program are based on the intellectual and professional development of our students such that after graduation they will be able to:

- design systems, components, and/or processes for advancement of agricultural, biological, or environmental systems; and
- secure employment and advance in careers in industry, government, consulting firms, or academia. Successful careers begin with employment in their chosen field or admission to graduate and professional programs, continue with steady advancement, and include professional development.

Degree Requirements

Each student must complete the following:

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I ........................................ 3
CHE 111 Laboratory to Accompany General Chemistry I ............... 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........................ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........................ 3

VII. Quantitative Foundations
MA 113 Calculus I ................................................................. 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................... 3

X. Global Dynamics
Choose one course from approved list ........................................... 3

UK Core Hours ................................................................. 32

Premajor Requirements

CIS/WRD 110 Composition and Communication I ........................... 3
CIS/WRD 111 Composition and Communication II ............................ 3
CHE 105 General College Chemistry I ......................................... 3
CHE 107 General College Chemistry II ......................................... 3
MA 113 Calculus I ................................................................. 4
MA 114 Calculus II ................................................................. 4
MA 213 Calculus III ................................................................. 4
MA 214 Calculus IV ................................................................. 4
PHY 231 General University Physics ............................................ 4
PHY 241 General University Physics Laboratory .......................... 1
PHY 242 General University Physics ............................................ 4
PHY 242 General University Physics Laboratory .......................... 1
CS 221 First Course in Computer Science for Engineers ................ 2
EM 221 Statics ..................................................................... 3

Subtotal: Premajor Hours ......................................................... 42

Major Requirements

BAE 102 Introduction to Biosystems Engineering .......................... 1
BAE 103 Energy in Biological Systems ........................................... 2
BAE 201 Economic Analysis for Biosystems ................................. 2
BAE 202 Probability and Statistics for Biosystems ......................... 3
BAE 305 DC Circuits and Microelectronics .................................... 3
BAE 400 Senior Seminar .......................................................... 1
BAE 402 Biosystems and Agricultural Engineering Design I .......................... 2
BAE 403 Biosystems Engineering Design II ................................... 2
BIO 150 Principles of Biology I .................................................. 3
BIO 152 Principles of Biology II .................................................. 3
EE 305 Electrical Circuits and Electronics ..................................... 3
EM 302 Mechanics of Deformable Solids ..................................... 3
EM 313 Dynamics .................................................................. 3
CE 106 Computer Graphics and Communication ......................... 3
ME 220 Engineering Thermodynamics ......................................... 3
ME 325 Elements of Heat Transfer ............................................. 3
ME 330 Fluid Mechanics .......................................................... 3
ME 340 Introduction of Mechanical Systems ............................... 3

Subtotal: Major Hours ......................................................... 46

Electives

Biological Science Elective .......................................................... 3
Free Elective ........................................................................ 3

Core Electives (choose 3 of the following 4 courses)
BAE 417 Design of Machine Systems .......................................... 3
BAE 427 Structures and Environment Engineering ....................... 3
BAE 437 Land and Water Resources Engineering ......................... 3
BAE 447 Bioprocess Engineering Fundamentals ............................ 3

Technical Electives (chosen by the student and leading to a concentration in one area of study) .................................................. 12

Subtotal: Electives ................................................................. 27

TOTAL HOURS ................................................................. 130

Curriculum

The following curriculum meets the requirements for a B.S. in biosystems engineering, provided the student satisfies the graduation requirements listed earlier.

Freshman Year

First Semester

Hours
BAE 102 Introduction to Biosystems Engineering .......................... 1
BAE 103 Energy in Biological Systems ........................................... 2
CHE 105 General College Chemistry I ......................................... 3
CHE 107 General College Chemistry II ......................................... 3
MA 113 Calculus I ................................................................. 4
MA 114 Calculus II ................................................................. 4
CE 106 Computer Graphics and Communication ......................... 3

Second Semester

Hours
BAE 201 Economic Analysis for Biosystems ................................. 2
BIO 150 Principles of Biology I .................................................. 3
BIO 152 Principles of Biology II .................................................. 3
MA 213 Calculus III ................................................................. 4
MA 214 Calculus IV ................................................................. 4
PHY 231 General University Physics ............................................ 4
PHY 241 General University Physics Laboratory ......................... 1

Sophomore Year

First Semester

Hours
BAE 305 DC Circuits and Microelectronics .................................... 3
BAE 402 Biosystems and Agricultural Engineering Design I .......................... 2
BAE 403 Biosystems Engineering Design II ................................... 2
BIO 150 Principles of Biology I .................................................. 3
BIO 152 Principles of Biology II .................................................. 3
EE 305 Electrical Circuits and Electronics ..................................... 3
EM 302 Mechanics of Deformable Solids ..................................... 3
EM 313 Dynamics .................................................................. 3
CE 106 Computer Graphics and Communication ......................... 3
ME 220 Engineering Thermodynamics ......................................... 3
ME 325 Elements of Heat Transfer ............................................. 3
ME 330 Fluid Mechanics .......................................................... 3
ME 340 Introduction of Mechanical Systems ............................... 3

Junior Year

First Semester

Hours
EE 305 Electrical Circuits and Electronics ..................................... 3
EM 313 Dynamics .................................................................. 3
ME 330 Fluid Mechanics .......................................................... 3
Biological Science Elective .......................................................... 3
Core** or Technical Elective*** .................................................. 3

Second Semester

Hours
ME 325 Elements of Heat Transfer ............................................. 3
ME 340 Introduction of Mechanical Systems ............................... 3
Core** or Technical Elective*** .................................................. 3

Senior Year

First Semester

Hours
BAE 402 Biosystems and Agricultural Engineering Design I .......................... 2
ME 340 Introduction of Mechanical Systems ............................... 3

University of Kentucky 2011-2012 Undergraduate Bulletin 211
Degree Requirements

The following curriculum meets requirements for the B.S. in chemical engineering, provided the student satisfies the graduation requirements listed earlier.

Each student must complete the following:

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
CME 455 Chemical Engineering Process Design I

II. Intellectual Inquiry in the Humanities
Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I
CHE 111 Laboratory to Accompany General Chemistry I

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II

VII. Quantitative Foundations
MA 113 Calculus I

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list

X. Global Dynamics
Choose one course from approved list

UK Core Hours

Premajor Requirements

Hours
CIS/WRD 110 Composition and Communication I
CIS/WRD 111 Composition and Communication II
CHE 105 General College Chemistry I
CHE 107 General College Chemistry II
CHE 111 Laboratory to Accompany General Chemistry I
CHE 113 Laboratory to Accompany General Chemistry II
CME 200 Process Principles
MA 113 Calculus I
MA 114 Calculus II
MA 213 Calculus III
PHY 231 General University Physics
PHY 241 General University Physics Laboratory

Subtotal: Premajor Requirements

Major Requirements

Hours
CME 101 Introduction to Chemical Engineering
CHE 230 Organic Chemistry I
CHE 231 Organic Chemistry Laboratory I
CHE 232 Organic Chemistry II
CHE 446G Physical Chemistry for Engineers
MA 214 Calculus IV
PHY 232 General University Physics
MSE 201 Materials Science

Subtotal: Major Requirements

CME 220 Computational Tools in Chemical Engineering
CME 320 Engineering Thermodynamics
CME 415 Separation Processes
CME 471 Seminar
CME 006 The Engineering Profession (3 semesters)
CME 330 Fluid Mechanics
CME 470 Professionalism, Ethics and Safety
CME 420 Process Modeling in Chemical Engineering
CME 425 Heat and Mass Transfer
CME 432 Chemical Engineering Laboratory I
CME 433 Chemical Engineering Laboratory II
CME 455 Chemical Engineering Process Design I
CME 550 Chemical Reactor Design
CME 456 Chemical Engineering Process Design II
CME 462 Process Control

Subtotal: Major Requirements

Total of 6 credit hours must be chosen. Courses recommended are listed below. Other courses may be considered, each on its individual merit.

CHE 395 Special Problems in Chemical Engineering
CME 404G Polymeric Materials
CME 505 Analysis of Chemical Engineering Problems
CME 515 Air Pollution Control
CME 554 Chemical and Physical Processing of Polymer Systems
CME 556 Introduction to Composite Materials
CME 580 Design of Rate and Equilibrium Processes for Water Pollution Control
CME 599 Topics in Chemical Engineering

Technical Electives

Select one (must be a 3 or more credit hour course) from the following:

CHE 395, 404G, 505, 515, 554, 580; CHE 226 and all above 441; STA 381 and higher;
CHE 421, 426; BS 321 and above; MA 321, 322, 416G, 432G, 433G, 471G, 481G; PHY any above 241; STA 381 and higher;
CHE 401G; MSE 401G, 402G, 403G; any BIO 150 and above;
CME 105 In Advanced Design

Graduation Writing Requirement
ENG 2XX Writing Intensive Course

TOTAL HOURS

Curriculum

Bachelor of Science in Chemical Engineering

A foundation in mathematics, chemistry, and physics is required for the study of chemical engineering. Fundamental principles related to the transformation of matter and energy are developed in subjects including thermodynamics, fluid flow, separations, heat and mass transfer, reactor design, and chemical process design. Undergraduate electives are available in biopharmaceutical engineering, energy and fuels, environmental engineering, and materials engineering and nanotechnology. A program is also available to fulfill pre-medical requirements simultaneously with requirements for the B.S. in chemical engineering.

The educational objectives of the chemical engineering undergraduate program are as follows:

• Produce graduates who are successful in chemical engineering practice and/or academic pursuits.

• Produce graduates who function independently and in teams to carry out in-depth solution strategies to chemical engineering problems.

• Produce graduates who continue to advance in their careers and participate in professional development activities.
### BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING – PADUCAH

In addition to the program on the Lexington campus, students can pursue a B.S. degree in chemical engineering through the College’s Extended Campus Program in Paducah, Kentucky. The Paducah program uses the same curriculum as the main campus, but provides the opportunity for students to complete all B.S. degree requirements without having to relocate to Lexington.

Consistent with the Vision and Mission statements, the chemical engineering program at the University of Kentucky, including the Extended Campus in Paducah, strives to meet the following specific educational objectives:

- prepare our graduates to successfully pursue careers in engineering practice and/or academia;
- provide a broad education as a foundation for life-long learning; and
- equip our graduates with the ability to carry out problem-solving strategies in engineering.

The Paducah chemical engineering program collaborates with West Kentucky Community and Technical College to provide the basic math and science courses, as well as the general studies course requirements. Murray State University faculty members teach upper-level non-engineering courses on the Paducah campus. On-site UK chemical engineering faculty members and jointly-appointed Murray engineering faculty members teach the upper-division engineering courses. Program admission, course registration, student advising and other student services all can be completed at the Paducah site.

### Degree Requirements

The following curriculum meets the requirements for a B.S. in civil engineering, provided the student satisfies the graduation requirements listed earlier.

Each student must complete the following:

#### UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- **I. Intellectual Inquiry in Arts and Creativity**
  - Choose one course from approved list

- **II. Intellectual Inquiry in the Humanities**
  - Choose one course from approved list

- **III. Intellectual Inquiry in the Social Sciences**
  - Choose one course from approved list

- **IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
  - PHY 231 General University Physics
  - or
  - CHE 105 General College Chemistry I
  - and
  - CHE 111 Laboratory to Accompany General Chemistry I

- **V. Composition and Communication I**
  - CIS/WRD 110 Composition and Communication I

- **VI. Composition and Communication II**
  - CIS/WRD 111 Composition and Communication II

#### Junior Year

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<tr>
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<tr>
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<td>Chemistry</td>
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#### Second Semester

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#### Senior Year

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<td>CME 470</td>
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<td>CME 550</td>
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#### First Semester

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<td>CHE 107</td>
<td>General College Chemistry II</td>
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<td>CME 113</td>
<td>Laboratory to Accompany</td>
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<tr>
<td>MA 114</td>
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#### Sophomore Year

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<td>Process Principles</td>
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<td>MA 213</td>
<td>Calculus III</td>
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<td>PHY 231</td>
<td>General University Physics</td>
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<td>PHY 241</td>
<td>General University Physics Laboratory</td>
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<tr>
<td>CHE 230</td>
<td>Organic Chemistry I</td>
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#### First Semester

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<td>CME 220</td>
<td>Computational Tools</td>
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<td>PHY 232</td>
<td>General University Physics</td>
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#### Second Semester

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<tr>
<td>CME 330</td>
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<tr>
<td>ENG 2XX</td>
<td>Writing Intensive Course</td>
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<tr>
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<td>CME 471</td>
<td>Seminar</td>
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<td>CHE 446G</td>
<td>Physical Chemistry for Engineers</td>
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<td>CME 330</td>
<td>Fluid Mechanics</td>
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<td>Calculus IV</td>
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<td>PHY 232</td>
<td>General University Physics</td>
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<table>
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#### First Semester

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<td>MA 114</td>
<td>Calculus II</td>
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<tr>
<td>CIS/WRD 111</td>
<td>Composition and Communication II</td>
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<tr>
<td>UK Core</td>
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</table>
VII. Quantitative Foundations
MA 113 Calculus I .................................................. 4
MA 114 Calculus II .................................................. 4
MA 115 Calculus III .................................................. 4

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ...................................... 3

IX. Community, Culture, and Citizenship in the USA
Choose one course from approved list ............................................. 3

X. Global Dynamics
Choose one course from approved list ............................................. 3

UK Core Hours .......................................................... 32

Pre-major Requirements
CE 106 Computer Graphics and Communication .......... 3
CE 120 Introduction to Civil Engineering ......................... 1
CE 211 Surveying ....................................................... 4
CHE 105 General College Chemistry I ......................... 3
CHE 107 General College Chemistry II ....................... 3
EM 221 Statics .......................................................... 3
ENG WRD 110 Composition and Communication I ............ 3
MA 113 Calculus I .................................................. 4
MA 114 Calculus II .................................................. 4
MA 213 Calculus III .................................................. 4
PHY 231 General University Physics ............................. 4
PHY 241 General University Physics Laboratory ............. 1

Subtotal: Premajor Hours .............................................. 37

Major Requirements
CE 303 Introduction to Construction Engineering .......... 3
CE 331 Transportation Engineering .................................. 3
CE 341 Introduction to Fluid Mechanics ......................... 4
CE 351 Introduction to Environmental Engineering ............ 3
CE 381 Civil Engineering Materials I ............................ 3
CE 382 Structural Analysis ......................................... 3
CE 401 Seminar ....................................................... 1
CE 429 Civil Engineering Systems Design ....................... 4
CE 461G Water Resources Engineering .......................... 4
CE 471G Soil Mechanics ........................................... 4
CS 221 First Course in Computer Science for Engineers .... 2
EM 302 Mechanics of Deformable Solids ....................... 3
MNG 303 Deformable Solids Laboratory ......................... 1
MA 214 Calculus IV .................................................. 3
PHY 232 General University Physics ............................. 4
PHY 242 General University Physics Laboratory ............. 1
STA 381 Introduction to Engineering Statistics ................. 3

Subtotal: Major Hours ................................................. 54

Electives
CE Technical Design Elective ...................................... 6
CE Technical Design Electives ..................................... 6
Engineering Science Elective ......................................... 3
Structures Elective .................................................... 3
Supportive Elective .................................................. 3
Communications Elective ............................................ 3
Math or Science Elective ............................................. 3
UK Core Electives .................................................... 15
Supportive/Free Elective ............................................. 3

Subtotal: Electives ....................................................... 42

TOTAL HOURS: ...................................................... 132

Curriculum

First Semester
CE 120 Introduction to Civil Engineering ................. 1
CS WRD 110 Composition and Communication I .......... 3
MA 113 Calculus I .................................................. 4
UK Core - Creativity and the Arts ................................. 3
UK Core - Social Sciences .......................................... 3

Second Semester
CE 106 Computer Graphics and Communication ........ 3
CHE 105 General College Chemistry I ....................... 3
MA 114 Calculus II .................................................. 4
PHY 231 General University Physics ............................. 4
PHY 241 General University Physics Laboratory ............. 1

Sophomore Year
First Semester
CE 211 Surveying .................................................. 4
CHE 107 General College Chemistry II ....................... 3
EM 221 Statics ....................................................... 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ...................................... 3
MA 213 Calculus III .................................................. 4

Second Semester
CS 221 First Course in Computer Science for Engineers .... 2
EM 302 Mechanics of Deformable Solids ....................... 3
MNG 303 Deformable Solids Laboratory ......................... 1
MA 214 Calculus IV .................................................. 3
PHY 232 General University Physics ............................. 4
PHY 242 General University Physics Laboratory ............. 1
CS WRD 110 Composition and Communication I ............ 3

Junior Year
First Semester
CE 303 Introduction to Construction Engineering** ........ 4
CE 341 Introduction to Fluid Mechanics ......................... 4
CE 381 Civil Engineering Materials II** ....................... 3
GLY 220 Principles of Physical Geology ....................... 4
Statistics Elective [1] .................................................. 3

Second Semester
CE 331 Transportation Engineering** ......................... 3
CE 351 Introduction to Environmental Engineering .......... 3
CE 382 Structural Analysis ......................................... 3
Math Elective or Science Elective [3] ............................ 3
UK Core - Humanities ................................................ 3

Senior Year
First Semester
CE 461G Water Resources Engineering** .................... 4
CE 471G Soil Mechanics** ....................................... 4
UK Core - Citizenship - US ......................................... 3

Second Semester
CE 401 Seminar** .................................................. 4
CE 429 Civil Engineering Systems Design** ................. 1
Supportive Elective [7] ................................................. 3
UK Core - Global Dynamics ........................................ 3
**CE communication throughout the curriculum component.
[1] Students pursuing a math minor should take MA/ STA 320 instead of STA 381.
[2] To be chosen from ME 220 or EM 313.
[4] To be selected from: CE 482 or CE 486G.
[5] Students are required to select two design electives from different areas. Choose from: CE 531 or CE 533, CE 534, CE 549, CE 579, CE 580. Design elective courses are typically taught once a year.
[6] CE Technical Electives are to be chosen from any of the courses at the 300-level or above that carry a CE prefix and in which a student is qualified to enroll, exclusive of required courses. Engineering elective courses are typically taught once a year.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Joint-Degree Program Offered by Western Kentucky University (WKU) and the University of Kentucky (UK)

As part of the “Strategy for Statewide Engineering Education in Kentucky,” adopted July 17, 2000 by all the chief executive officers of Kentucky universities and endorsed by the Kentucky Council on Postsecondary Education (CPE), the vision was expressed that “access to undergraduate engineering education will expand primarily through the creation of joint programs managed by multiple postsecondary institutions.” In response, WKU and UK now jointly offer an ABET-accredited baccalaureate degree in civil engineering on the WKU campus in Bowling Green, Kentucky. By CPE definition, a joint-degree program is “a program that is mutually sponsored by two or more institutions leading to a single credential or degree, which is conferred by both or all participating institutions. All institutions share responsibility for all aspects of the program’s delivery and quality.”

The joint civil engineering program is one of only four such joint-degree programs in Kentucky; the others include a joint-degree program between WKU and UK in mechanical engineering, between WKU and the University of Louisville (UL) in electrical engineering, and between Murray State University and UL in electrical and telecommunications engineering.

The WKU/UK joint programs emphasize a project-oriented educational approach. Courses are provided by both WKU and UK faculty. Students are required to complete a minimum of 16 credit hours of engineering course work taught by UK engineering faculty. At present, the UK contribution is provided primarily by distance delivery via interactive television. The curriculum of the joint civil engineering program is under the direction of a joint program faculty, with equal representation from each participating institution. The curriculum for entering students requires 135.5 credit hours, with the General Studies component based on the requirements of WKU. Students who complete the program will receive a B.S. degree conferred jointly by WKU and UK. Under the terms of the agreements between the degree-awarding institutions, WKU provides basic administrative support for students in the joint-degree program, including admission services, registration, and student finan-

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cial aid. In addition, academic advising, laboratory and equipment support, and library and media resources are supplied by WKU.

The civil engineering curriculum approved within UK is listed below. The joint program faculty are responsible for on-going review of the curricular requirements.

Degree Requirements

### Freshman Year

#### Fall Semester

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CE 175 Freshman Experience</td>
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<tr>
<td>AMS 163 CADD for Architecture</td>
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<td>MATH 126 Calculus I</td>
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<td>GEOL 111/113 Physical Geology &amp; Lab</td>
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#### Spring Semester

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<td>CE 160/161 Surveying I &amp; Lab</td>
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<td>MATH 227 Calculus II</td>
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<td>PHYS 250/251 Physics I/ Lab</td>
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<td>COMM 161 or 145 Public Speaking</td>
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<td>ENG 100 Freshman English</td>
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### Sophomore Year

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 303 Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CE 304 Construction Mgmt. Lab</td>
<td>1</td>
</tr>
<tr>
<td>EM 222 [1] Statics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 327 Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120/121 Chemistry I &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>SFTY 171 Category F [2]</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

#### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM 302 Mech of Deforam Solid</td>
<td>3</td>
</tr>
<tr>
<td>CE 310 Strength Of Mat Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 331 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 260/261 Physics II &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>Category A - II Foreign Language</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

### Junior Year

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 382 Structural Analysis [3]</td>
<td>3</td>
</tr>
<tr>
<td>CE 410/411 Soil Mechanics &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>CE 341 Introduction to Fluid Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>CE 370 Materials of Construction</td>
<td>2</td>
</tr>
<tr>
<td>CE 371 Materials of Construction Lab</td>
<td>1</td>
</tr>
<tr>
<td>STAT 301 Prob &amp; Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Category F Health &amp; Wellness Elec</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>18</td>
</tr>
</tbody>
</table>

#### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 316 Equipment &amp; Methods</td>
<td>3</td>
</tr>
<tr>
<td>CE 331 Transportation Eng [4]</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300 Junior English</td>
<td>3</td>
</tr>
<tr>
<td>CE 412 Foundation Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CE Structures Elective [5]</td>
<td>3</td>
</tr>
<tr>
<td>CE Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>18</td>
</tr>
</tbody>
</table>

### Senior Year

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 351 Intro to Environmental Eng</td>
<td>3</td>
</tr>
<tr>
<td>CE 461 Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>CE Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>CE 400 Senior Design Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Category B - II Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Category C Soc &amp; Behav Sci Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

#### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 498 Senior Project</td>
<td></td>
</tr>
<tr>
<td>CE Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>Category B - II Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Category E Cultural Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
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</tbody>
</table>

### CE Technical Elective (Typical Offerings)

#### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 491 UK - CE Selected Topics</td>
<td></td>
</tr>
<tr>
<td>CE 383 Structural Steel Design</td>
<td>3</td>
</tr>
<tr>
<td>CE 416 Construction Administration</td>
<td>3</td>
</tr>
<tr>
<td>CE 426 Adv. Construction Materials</td>
<td>3</td>
</tr>
<tr>
<td>CE 476 Highway Construction</td>
<td>3</td>
</tr>
<tr>
<td>CE 480/481 Surveying III &amp; Lab</td>
<td>3</td>
</tr>
<tr>
<td>[1] EM 221 UK - Statistics may be substituted for EM 222</td>
<td></td>
</tr>
<tr>
<td>[2] SFTY 171 Safety and First Aid</td>
<td></td>
</tr>
<tr>
<td>[3] CE 373 UK - Structural Analysis may be taken to</td>
<td></td>
</tr>
<tr>
<td>complete this requirement.</td>
<td></td>
</tr>
<tr>
<td>[4] Students must have “major” status to enroll. Students with</td>
<td></td>
</tr>
<tr>
<td>“premajor” status will not be able to enroll.</td>
<td></td>
</tr>
<tr>
<td>[5] Structures design elective may be fulfilled by</td>
<td></td>
</tr>
<tr>
<td>completing one of the following options:</td>
<td></td>
</tr>
<tr>
<td>(a) CE 482 WU - Elementary Structural Design or</td>
<td></td>
</tr>
<tr>
<td>CE 483 UK - Elementary Structural Design;</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>(b) CE 384 Reinforced Concrete Design</td>
<td></td>
</tr>
<tr>
<td>If option (b) is chosen, CE 383 Structural Steel Design must also be</td>
<td></td>
</tr>
<tr>
<td>taken, which counts as a technical elective.</td>
<td></td>
</tr>
<tr>
<td>[6] ECON 202E (Microeconomics for Engineers) is recommended. However,</td>
<td></td>
</tr>
<tr>
<td>any section of ECON 202 may be taken.</td>
<td></td>
</tr>
<tr>
<td>[7] A 2-course sequence in 4 different Civil Engineering areas is</td>
<td></td>
</tr>
<tr>
<td>required. The curriculum already includes a 2-course sequence in</td>
<td></td>
</tr>
<tr>
<td>Structures, Geotechnical Engineering, and Construction. Therefore,</td>
<td></td>
</tr>
<tr>
<td>each student must select one of their technical electives to cover</td>
<td></td>
</tr>
<tr>
<td>an additional area such as Surveying, Materials, Environmental</td>
<td></td>
</tr>
<tr>
<td>Engineering, Hydrology, or Transportation. See section “2-Course</td>
<td></td>
</tr>
<tr>
<td>Sequence Requirement” in the CE Student Handbook for more</td>
<td></td>
</tr>
<tr>
<td>information.</td>
<td></td>
</tr>
</tbody>
</table>

### Degree Requirements

Each student must complete the following:

#### UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**
- Choose one course from approved list 

**II. Intellectual Inquiry in the Humanities**
- Choose one course from approved list

**III. Intellectual Inquiry in the Social Sciences**
- Choose one course from approved list

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
- CHE 105 General College Chemistry I
- CHE 111 Laboratory to Accompany General Chemistry I

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**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING**

**Program Educational Objectives**

Computer engineering involves modeling, design, implementation, testing, evaluation and integration of computer hardware and software to create computing systems. Computer engineers use both hardware concepts from electrical engineering and system software concepts from computer science. Graduates will be well prepared to work in areas such as digital logic design, computer organization/architecture design, algorithm design and analysis, embedded systems, compilers, and operating systems. Elective options in the curriculum offer preparation in software engineering, databases, dependable systems, networking and communications, VLSI, graphics, image processing, visualization, artificial intelligence, and control systems. The program is offered through a partnership between the Department of Electrical and Computer Engineering and the Department of Computer Science.

The program educational objectives related to expectations of program graduates include the following:

- Graduates of the program employed in industry will demonstrate, within five years after graduation, professional advancements, such as technical accomplishments, supervisory responsibilities, or other recognitions of their contributions.
- Graduates of the program who continue their formal education will, within five years after graduation, receive advanced degrees, complete specialized training, or receive professional certifications.
- Graduates of the program will appreciate the preparation received in the program as it relates to their careers and their roles in society.

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**College of Engineering**

**University of Kentucky**

2011-2012 Undergraduate Bulletin
College of Engineering

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
MA 113 Calculus I .................................................. 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list.......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list.......................... 3

X. Global Dynamics
Choose one course from approved list.......................... 3

UK Core Hours ......................................................... 32

Premajor Requirements

CS 115 Introduction to Computer Programming .......... 3
CS 215 Introduction to Program Design, Abstraction, and Problem Solving .......... 4
EE 211 Circuits I ....................................................... 4
EE 280 Design of Logic Circuits ................................ 3

Subtotal: Premajor Hours ......................................... 14

Major Requirements

EE 101 Electrical Engineering Professions Seminar .... 4
or
CS 100 The Computer Science Profession ................. 1

MA 113 Calculus I .................................................. 4
CHE 105 General College Chemistry ......................... 3
MA 114 Calculus II .................................................. 3
CS 216 Introduction to Software Engineering ............... 3
CS 275 Discrete Mathematics ..................................... 4
PHY 231 General University Physics ............................. 4
PHY 241 General University Physics Laboratory .......... 1
MA 213 Calculus III .................................................. 4
PHY 232 General University Physics ................................
PHY 242 General University Physics Laboratory .......... 1
EE 281 Logical Design Laboratory ............................... 2

Subtotal: Major Hours ............................................. 73

Supportive Elective* .................................................. 6
Technical Elective? .................................................. 3
EE/CS Technical Electives† ........................................ 12

Subtotal: Electives .................................................... 21

Total Minimum Hours for Program............................... 128

Curriculum

Freshman Year
First Semester Hours
MA 113 Calculus I .................................................. 4
EE 101 Electrical Engineering Professions Seminar .... 4
or
CS 100 The Computer Science Profession ................. 1

CIS/WRD 110 Composition and Communication I .......... 3
CHE 105 General College Chemistry ......................... 3
CS 115 Introduction to Computer Programming .......... 3
UK Core – Humanities ............................................. 3

Second Semester
EE 280 Design of Logic Circuits ................................ 3
MA 114 Calculus II .................................................. 4
PHY 231 General University Physics ............................. 4
PHY 241 General University Physics Laboratory .......... 1
CIS/WRD 111 Composition and Communication II .......... 3
UK Core – Creativity and the Arts ............................... 3

Sophomore Year
First Semester Hours
CS 215 Introduction to Program Design, Abstraction, and Problem Solving .......... 4
MA 213 Calculus III .................................................. 4
EE 211 Circuits I ....................................................... 4
PHY 232 General University Physics ............................. 4
PHY 242 General University Physics Laboratory .......... 1
EE 281 Logical Design Laboratory ............................... 2

Second Semester
MA 214 Calculus IV .................................................. 3
CS 275 Discrete Mathematics ..................................... 4
CS 216 Introduction to Software Engineering ............... 3
EE/CS 380 Microcomputer Organization ...................... 3
UK Core – Social Sciences ........................................ 3

Junior Year
First Semester Hours
EE 221 Circuits II .................................................... 3
EE 222 Electrical Engineering Laboratory I .................. 2
EE 281 Logical Design Laboratory ............................... 3
EE/CS 380 Microcomputer Organization ...................... 3
EE 383 Introduction to Embedded Systems .................... 3
CS 315 Algorithm Design and Analysis ....................... 3
CS 441G Compilers for Algorithmic Languages .......... 3
CS 470G Introduction to Operating Systems ............... 3
EE 480/CS 480G Advanced Computer Architecture ....... 3
EE 421G Signals and Systems ..................................... 3
EE 461G Introduction to Electronics ............................ 3
STA 381 Introduction to Engineering Statistics .......... 3
CS 499 Senior Design Project .................................... 3

Subtotal: Major Hours ............................................. 73

Supportive Elective* .................................................. 6
Technical Elective? .................................................. 3
EE/CS Technical Electives† ........................................ 12

Subtotal: Electives .................................................... 21

Total Minimum Hours for Program............................... 128

Recommended EE/CS Technical Electives:
CS 405G Introduction to Database Systems
CS 413G Combinatorics and Graph Theory
CS 416G Principles of Operations Research I
CS 422 Numerical Solutions of Equations
CS 450G Fundamentals of Programming Languages
CS 463G Introduction to Artificial Intelligence
CS 471G Networking and Distributed Operating Systems
CS 485G Topics in Computer Science (Subtitle required)
EE 512 Digital Communication Systems
EE 560 Semiconductor Device Design
EE 564 Digital Electronic Circuits
EE 572 Digital Control of Dynamic Systems
EE 582 Hardware Description Languages and Programmable Logic
EE 584 Introduction of VLSI Design and Testing
EE 585 Fault Tolerant Computing
EE 586 Communication and Switching Networks
EE 587 Microcomputer Systems Design
EE 599 Topics in Electrical Engineering (Subtitle required)

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

The computer science program of study prepares students to identify computational problems, to design, implement, and analyze algorithmic solutions, and to build software for a variety of applications. Through required and elective courses students are exposed to the foundations and practice of computing and algorithms, software engineering, programming languages, operating systems, graphics and multimedia, scientific computing and numerical analysis, databases, artificial intelligence and networks.

The program’s educational objective is to equip graduates to succeed in their chosen career path. Specifically, within three to five years after graduation:

• Those employed in industry or entrepreneurial endeavors will demonstrate professional advancement through expanded leadership responsibility, significant technical accomplishment, or other recognition of their contributions.

• Those who continue their formal education will achieve an advanced degree or other technical certification.

Graduates will appreciate the preparation received in the program as it relates to their chosen careers, to their role as educated citizens in a global society, and to continued learning.
Degree Requirements
Each student must complete the following:

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
PHY 231 General University Physics ........................................... 4
PHY 241 General University Physics Laboratory ........................ 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ................... 3

VII. Quantitative Foundations
MA 113 Calculus I .................................................................. 4

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................ 3

X. Global Dynamics
Choose one course from approved list ........................................ 3

UK Core Hours ........................................................................ 33

Premajor Requirements
First Semester Hours
CS 100 The Computer Science Profession ............................... 1
CS 115 Introduction to Computer Programming ...................... 3
CS 216 Introduction to Software Engineering ......................... 3
CS 275 Discrete Mathematics ................................................. 4
MA 113 Calculus I .................................................................. 4
MA 114 Calculus II .................................................................. 4
PHY 231 General University Physics ........................................ 4
PHY 241 General University Physics Laboratory ....................... 1

Subtotal: Premajor Hours ....................................................... 31

Major Requirements
Hours
PHY 232 General University Physics ......................................... 4
PHY 242 General University Physics Laboratory ....................... 1
Additional Science Electives .................................................... 6
MA 213 Calculus III .................................................................. 4
EE 280 Design of Logic Circuits .............................................. 3
STA 281 Probability and Statistics Using
Interactive Computer Techniques ........................................ 3
CS 315 Algorithm Design and Analysis ................................... 3
CS/MA 321 Introduction to Numerical Methods ...................... 3
CS 375 Logic and Theory of Computing ................................. 3
CS/EE 380 Microcomputer Organization ................................ 3
CS 470G Introduction to Operating Systems ........................... 3
CS 499 Senior Design Project .................................................. 3

Subtotal: Major Hours ............................................................ 39

Computer Science Electives
Hours
Choose three from the following list:
CS 335 Graphics and Multimedia ............................................ 3
CS 405G Introduction to Database Systems ............................ 3
CS 441G Compilers for Algorithmic Languages ..................... 3
CS 450G Fundamentals of Programming Languages ............... 3
CS 463G Introduction to Artificial Intelligence ....................... 3
Any other CS class at the 300-level or above ............................ 3

Subtotal: CS Electives ......................................................... 9

Technical Electives
Choose 12 credit hours of the following:
MA 214 Calculus IV or any 300-level or higher classes
selected from computer science, electrical engineering, mathematics, or the College or Business and Economics

Subtotal: Technical Electives .................................................. 12

Electives (Non-Technical and Free Electives)
Two courses must be in areas other than computer science, science, engineering, or mathematics. Any remaining electives should be selected to meet the minimum total of 128 hours required for graduation

Subtotal: Electives .......................................................... minimum of 6

TOTAL HOURS ..................................................................... 128

Curriculum

Freshman Year
First Semester
CS 100 The Computer Science Profession ............................... 1
CS 115 Introduction to Computer Programming ...................... 3
CS/MA 321 Introduction to Numerical Methods ...................... 3
MA 113 Calculus I .................................................................. 4
MA 114 Calculus II .................................................................. 4
UK Core [U] ......................................................................... 3

Second Semester
CS 215 Introduction to Program Design,
Abstraction, and Problem Solving ........................................... 4
Natural Science Elective [N] .................................................... 3
MA 114 Calculus II .................................................................. 4
UK Core – Statistical/Inferential Reasoning [U] ....................... 3

Sophomore Year
First Semester
CS 216 Introduction to Software Engineering ......................... 3
EE 280 Design of Logic Circuits .............................................. 3
MA 213 Calculus III ................................................................ 4
PHY 231 General University Physics ....................................... 4
PHY 241 General University Physics Laboratory ....................... 1

Second Semester
CS 275 Discrete Mathematics ................................................. 4
CS/EE 380 Microcomputer Organization ................................ 3
PHY 232 General University Physics ....................................... 4
PHY 242 General University Physics Laboratory ....................... 1
STA 281 Probability and Statistics Using
Interactive Computer Techniques ........................................ 3
UK Core [U] ......................................................................... 3

Junior Year
First Semester
CS 315 Algorithm Design and Analysis ................................... 3
CS/MA 321 Introduction to Numerical Methods ...................... 3
UK Core [U] ......................................................................... 3
ENG 2XX Writing Intensive Course ........................................ 3

Second Semester
CS 375 Logic and Theory of Computing ................................. 3
Computer Science Elective [C] ............................................... 3
Technical Elective [T] .............................................................. 3
UK Core [U] ......................................................................... 3
Natural Science Elective [N] .................................................... 3

Senior Year
First Semester
CS 470G Introduction to Operating Systems ......................... 3
Computer Science Elective [C] ............................................... 3
Technical Elective [T] .............................................................. 3
UK Core [U] ......................................................................... 3
Elective [E] ......................................................................... 3

Second Semester
CS 499 Senior Design Project .................................................. 3
Computer Science Elective [C] ............................................... 3
Technical Electives [T] ............................................................ 6
Elective [E] ......................................................................... 3

[U] – Select to satisfy the UK Core areas Arts & Creativity, Humanities, Social Sciences, Citizenship, Global Dynamics.

[N] – Any natural science course excluding more elementary versions of completed required courses.

[CC] – Computer Science Elective – include 300-level and above computer science courses with two to be selected from: CS 335, CS 405G, CS 441G, CS 450G and CS 463G.

[T] Technical Elective – include any 300-level and above courses in computer science, electrical engineering, mathematics and business and economics. MA 214 is also an acceptable technical elective.

[E] Elective – including one Free Elective and Non-Technical Elective. At least two of the electives (6 credits) cannot be in computer science, mathematics, science or engineering. Note: At least 128 credit hours; a foreign language requirement.

Minor in Computer Science
The minor in computer science requires a minimum of 20 hours of course work in CS, to include the following:
CS 115 (3), CS 215 (4), CS 216 (3), CS 275 (4), CS 315 (3), or equivalent, plus three additional hours of upper-division courses (300 or higher) in computer science. A GPA of at least 2.5 across these courses is required. At least 10 of the credit hours required to complete the minor must be earned at the University of Kentucky.

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

The electrical engineering undergraduate degree program seeks to produce graduates who are trained in the theory and practice of electrical and computer engineering and are well prepared to handle the professional and leadership challenges of their careers. The program allows students to specialize in high performance and embedded computing, microelectronics and nanotechnology, power and energy, signal processing and communications, high frequency circuits and fields, and control systems, among others.

The following objectives relate to expectations for program graduates while in the early stages of their careers. The EE program objectives are:

• Graduates of the electrical engineering program employed in industry will demonstrate, within five years after graduation, professional advancements, such as technical accomplishments, supervisory responsibilities, or other recognitions of their contributions.

• Graduates of the electrical engineering program who continue their formal education will, within five years after graduation, receive advanced degrees in electrical engi-
neering or other fields, complete specialized training, or receive professional certifications.

- Graduates of the electrical engineering program will appreciate the preparation received in the program as it relates to their careers and their roles in society.

The electrical engineering undergraduate program has identified **curriculum tracks** as recommended groups of courses for undergraduate students interested in a particular area of electrical engineering. Each track consists of a list of recommended electives (typically EE Technical Electives) possibly a recommended lab elective. A student will be considered to have completed a track if these course requirements have been satisfied with a grade of C or better. Students are not required to participate in a track. Tracks are intended for students as a guide of classes to take in a particular area. Student transcripts will not explicitly mention completion of a track. However, any student completing a track will receive an official recognition of this completion from the department.

The current set of tracks are:

### Electric Power and Energy
EE Technical Electives EE 537 and EE 538, and one of the following: EE 518, EE 531, or EE 539. Also, EE 416G as a Lab Elective.

### Signals and Systems
Any three of the following EE Technical Electives: EE 511, EE 512, EE 513, EE 521, EE 586. Also, EE 422G as a Lab Elective.

### Digital Systems
EE Technical Electives EE 582 and EE 584, and one of the following: EE 585, EE 586, EE 587, EE 589. Also, EE 281 as a Lab Elective.

### High Frequency Circuits and Fields
EE Technical Electives EE 521 and EE 522, and one of the following additional: EE 523, EE 525, EE 527.

### Degree Requirements
Each student must complete the following:

#### UK Core Requirements
See the **UK Core section** of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

<table>
<thead>
<tr>
<th>I. Intellectual Inquiry in Arts and Creativity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list ..........</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II. Intellectual Inquiry in the Humanities</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list ..........</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. Intellectual Inquiry in the Social Sciences</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list ..........</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 105 General College Chemistry I ..........</td>
<td>3</td>
</tr>
<tr>
<td>CHE 111 Laboratory to Accompany General Chemistry I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

#### V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

#### VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........ 3

#### VII. Quantitative Foundations
MA 113 Calculus I .................................................... 4

#### VIII. Statistical Inferential Reasoning
Choose one course from approved list .............. 3

#### IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .............. 3

#### X. Global Dynamics
Choose one course from approved list .............. 3

#### UK Core Hours .............................................. 32

## Premajor Requirements

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 113 Calculus I ........................................</td>
<td>4</td>
</tr>
<tr>
<td>MA 114 Calculus II .....................................</td>
<td>4</td>
</tr>
<tr>
<td>MA 213 Calculus III ..................................</td>
<td>4</td>
</tr>
<tr>
<td>PHY 231 General University Physics ..................</td>
<td>4</td>
</tr>
<tr>
<td>EE 211 Circuits I ......................................</td>
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#### EE 200 Design of Logic Circuits .......... 3

#### Subtotal: Premajor Hours ............... 29

### Major Requirements

<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
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<table>
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<th>Requirements</th>
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<tbody>
<tr>
<td>EE 101 Electrical Engineering Professions Seminar</td>
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<tr>
<td>EE 115 Introduction to Computer Programming ........</td>
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<tr>
<td>CS 215 Introduction to Program Design, Abstraction, and Problem Solving</td>
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<tr>
<td>MA 113 Calculus I ........................................</td>
<td>4</td>
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<tr>
<td>MA 114 Calculus II .....................................</td>
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<tr>
<td>PHY 231 General University Physics ..................</td>
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</tr>
<tr>
<td>EE 415G Electromechanics ............................</td>
<td>3</td>
</tr>
<tr>
<td>EE 421G Signals and Systems .........................</td>
<td>3</td>
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<tr>
<td>EE 461G Introduction to Electronics ..................</td>
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<tr>
<td>EE 468G Introduction to Engineering Electromagnetics</td>
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<tr>
<td>EE 490 Electrical Engineering Capstone Design I ........</td>
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<tr>
<td>EE 491 Electrical Engineering Capstone Design II ..........</td>
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<tr>
<td>CIS/WRD 111 Composition and Communication II ..........</td>
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<tr>
<td>MA 214 Calculus IV ..................................</td>
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<td>MA 320 Introductory Probability ....................</td>
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<tr>
<td>PHY 232 General University Physics ..................</td>
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<tr>
<td>PHY 241 General University Physics Laboratory ....</td>
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<tr>
<td>PHY 242 General University Physics Laboratory ....</td>
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</tbody>
</table>

#### Choose three of the following lab courses:
EE 281 Logical Design Laboratory .............. 2
EE 416G Energy Conversion Laboratory ........... 2
EE 426G Electronic Circuits Laboratory .......... 2
EE 422G Signals and Systems Laboratory .......... 2

#### Subtotal: Major Hours ............... 59

## Electives

<table>
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<tr>
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<tr>
<td>Engineering/Science Electives ....................</td>
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<tr>
<td>Math/Statistics Elective ............................</td>
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<td>Supportive Elective ...............................</td>
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#### Subtotal: Electives ....................... 27

### Total Hours: .......................... 131

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## Curriculum

### Freshman Year

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<tr>
<td>MA 113 Calculus I ........................................</td>
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<tr>
<td>CS 115 Introduction to Computer Programming ..........</td>
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<tr>
<td>CIS/WRD 111 Composition and Communication II ..........</td>
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<tr>
<td>UK Core – Creativity and the Arts ....................</td>
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<td>UK Core – Humanities ...................................</td>
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### Second Semester

<table>
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<td>EE 211 Circuits I ......................................</td>
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<tr>
<td>CIS/WRD 111 Composition and Communication II ..........</td>
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### Sophomore Year

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<table>
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<td>EE 221 Circuits II ...................................</td>
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<td>EE 222 Electrical Engineering Laboratory I ..........</td>
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<tr>
<td>EE 360 Introduction to Semiconductor Devices ..........</td>
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<tr>
<td>CS 215 Introduction to Program Design, Abstraction, and Problem Solving</td>
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<tr>
<td>MA 320 Introductory Probability ....................</td>
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### Junior Year

<table>
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<th>Hours</th>
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<table>
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<tr>
<td>EE 415G Electromechanics ............................</td>
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<tr>
<td>EE 421G Signals and Systems .........................</td>
<td>3</td>
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<tr>
<td>EE 461G Introduction to Engineering Electromagnetics</td>
<td>3</td>
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<tr>
<td>EE 490 Electrical Engineering Capstone Design I ........</td>
<td>3</td>
</tr>
<tr>
<td>EE 491 Electrical Engineering Capstone Design II ..........</td>
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<tr>
<td>CIS/WRD 111 Composition and Communication II ..........</td>
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<tr>
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<tr>
<td>PHY 232 General University Physics ..................</td>
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<td>PHY 241 General University Physics Laboratory ....</td>
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<tr>
<td>PHY 242 General University Physics Laboratory ....</td>
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</table>

#### Choose three of the following lab courses:
EE 281 Logical Design Laboratory .............. 2
EE 416G Energy Conversion Laboratory ........... 2
EE 426G Electronic Circuits Laboratory .......... 2
EE 422G Signals and Systems Laboratory .......... 2

#### Subtotal: Major Hours ............... 59

### Second Semester

<table>
<thead>
<tr>
<th>Hours</th>
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<thead>
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<th>Requirements</th>
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<tbody>
<tr>
<td>EE 468G Introduction to Engineering Electromagnetics</td>
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<tr>
<td>Elective EE Laboratory [L] .............................</td>
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<tr>
<td>Engineering/Science Elective [E] ..........................</td>
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<td>Technical Elective [T] .....................................</td>
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<tr>
<td>UK Core – Statistical/Inferential Reasoning ...........</td>
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### Senior Year

<table>
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<th>Hours</th>
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<tbody>
<tr>
<td>EE 490 Electrical Engineering .......................</td>
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<tr>
<td>Capstone Design I ..........................</td>
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<td>EE Technical Electives** ............................</td>
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<tr>
<td>Elective EE Laboratory [L] .............................</td>
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<td>Math/Statistics Elective [M] ............................</td>
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<td>UK Core – Global Dynamics .............................</td>
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### Second Semester

<table>
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<tr>
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<th>Requirements</th>
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<tbody>
<tr>
<td>EE 491 Electrical Engineering .......................</td>
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<tr>
<td>Capstone Design II ..........................</td>
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<td>EE Technical Electives** ............................</td>
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<tr>
<td>Supportive Elective* ...............................</td>
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<tr>
<td>Engineering/Science Elective [E] ..........................</td>
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</tr>
</tbody>
</table>

*Supportive elective is to be chosen from any University courses, excluding more elementary versions of required courses, such as precalculus mathematics or PHY 211.

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University of Kentucky
2011-2012 Undergraduate Bulletin
BACHELOR OF SCIENCE IN MATERIALS ENGINEERING

The materials engineer is responsible for the selection, preparation and application of existing materials and for the development of new and improved materials. Materials engineers study the relationships between atomic and/or molecular constitution, microstructure and physical properties including mechanical, thermal, electrical, and optical behavior. Classes of materials include metals, ceramics, polymers, and electronic materials.

The educational objectives of the materials engineering undergraduate program are as follows:

- Produce graduates with an understanding of materials science and engineering who can function independently as professionals in the practice of engineering or as successful members of related graduate and professional programs.
- Produce graduates who can use their materials science and engineering education to continue their careers with steady advancement and professional development.

Degree Requirements

The following curriculum meets requirements for the B.S. in Materials Engineering, provided the student satisfies the graduation requirements listed earlier. Each student must complete the following:

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .................................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

CHE 105 General College Chemistry I .............................. 3

CHE 111 Laboratory to Accompany
General Chemistry I .......................................................... 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ................. 3

VII. Quantitative Foundations
MA 113 Calculus I .......................................................... 4

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning .................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................................. 3

X. Global Dynamics
Choose one course from approved list .................................. 3

UK Core Hours ................................................................ 32

Premajor Requirements

CIS/WRD 110 Composition and Communication I .................. 3

CHE 105 General College Chemistry I .............................. 3

CHE 107 General College Chemistry II .............................. 3

CHE 111 Laboratory to Accompany
General Chemistry I .......................................................... 1

CHE 113 Laboratory to Accompany
General Chemistry II .......................................................... 2

MA 113 Calculus I .......................................................... 4

MA 114 Calculus II .......................................................... 4

MA 213 Calculus III ......................................................... 4

MSE 201 Materials Science ............................................. 3

PHY 231 General University Physics .................................. 4

PHY 241 General University Physics Laboratory .................. 1

Subtotal: Premajor Hours .............................................. 35

Major Requirements

MSE 101 Materials Engineering ....................................... 1

CSE 211 First Course in Computer Science for Engineers ......... 2

CME 200 Process Principles ............................................. 3

MSE 202 Materials Science Laboratory ................................ 1

CHE 236 Survey of Organic Chemistry .............................. 3

EM 221 Statics ................................................................ 3

MA 214 Calculus IV .......................................................... 3

PHY 232 General University Physics .................................. 4

MSE 301 Materials Science II ........................................... 3

MSE 351 Material Thermodynamics .................................... 3

EM 302 Mechanics of Deformable Solids ............................ 3

EE 305 Electrical Circuits and Electronics ........................... 3

PHY 361 Principles of Modern Physics ................................. 3

MSE 401G Metal and Alloys ............................................. 3

MSE 402G Electronic Materials and Processing .................... 3

MSE 403G Ceramic Engineering and Processing .................... 3

MSE 404G Polymeric Materials ........................................... 3

MSE 407 Materials Laboratory I ........................................ 3

MSE 408 Materials Laboratory II ........................................ 3

MSE 436 Material Failure Analysis ..................................... 3

MSE 480 Materials Design ................................................. 3

MSE 535 Mechanical Properties of Materials ......................... 3

MSE 538 Metals Processing .............................................. 3

MSE 585 Materials Characterization Techniques ..................... 3

Subtotal: Major Hours .................................................. 68

Technical Electives

Choose 6 credit hours from the following:

MSE 395 Independent Work in Materials Engineering ............. 3

MSE 506 Mechanics of Composite Materials ......................... 3

MSE 531 Powder Metallurgy .............................................. 3

MSE/CME 554 Chemical and Physical Processing of Polymer Systems ...................................................... 4

MSE 556 Introduction to Composite Materials ......................... 3

MSE 569 Electronic Packaging Systems and Manufacturing Processes ...................................................... 3

MSE 599 Topics in Materials Science and Engineering (Subtitle required) ...................................................... 3

Subtotal: Technical Electives ........................................... 6

Supportive Elective (must total 3 credits)

The supportive elective can be any course that carries college credit and is not a more elementary version of a required course. The student completing 3 co-op tours (EGR 399) may count the co-op experience toward the supportive elective.

Subtotal: Supportive Elective .......................................... 3

Graduation Writing Requirement

ENG 2XX Writing Intensive Course ................................... 3

TOTAL HOURS: ................................................................ 133

Curriculum

Freshman Year

First Semester

MSE 101 Materials Engineering ....................................... 1

CHE 105 General College Chemistry I ................................ 3

CHE 111 Laboratory to Accompany
General Chemistry I .......................................................... 1

CIS/WRD 110 Composition and Communication I ................. 3

MA 113 Calculus I .......................................................... 4

UK Core ........................................................................... 3

Second Semester

MSE 395 Independent Work in Materials Engineering ............. 3

MSE 506 Mechanics of Composite Materials ......................... 3

MSE 531 Powder Metallurgy .............................................. 3

MSE/CME 554 Chemical and Physical Processing of Polymer Systems ...................................................... 3

MSE 556 Introduction to Composite Materials ......................... 3

MSE 569 Electronic Packaging Systems and Manufacturing Processes ...................................................... 3

MSE 599 Topics in Materials Science and Engineering (Subtitle required) ...................................................... 3

Subtotal: Technical Electives ........................................... 6

Supportive Elective (must total 3 credits)

The supportive elective can be any course that carries college credit and is not a more elementary version of a required course. The student completing 3 co-op tours (EGR 399) may count the co-op experience toward the supportive elective.

Subtotal: Supportive Elective .......................................... 3

Graduation Writing Requirement

ENG 2XX Writing Intensive Course ................................... 3

TOTAL HOURS: ................................................................ 133

College of Engineering

University of Kentucky 2011-2012 Undergraduate Bulletin 219
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

The training of the mechanical engineer is the broadest among the several fields of engineering. The mechanical engineer uses the techniques of mathematics combined with a specialized knowledge of the thermal and energy sciences, solid and fluid mechanics, and the properties of materials. This information is supplemented by an understanding of manufacturing processes, the design and control of systems, and the economics of the technological community.

Our graduates will be able to apply knowledge of mathematics, science and mechanical engineering to the solution of problems, particularly in the areas of thermodynamics and energy systems; heat transfer; fluid mechanics; mechanical systems and controls; mechanical design; finite element methods and computer-aided graphics; manufacturing; instrumentation; and experimental method.

Consistent with the Vision and Mission statements of the University of Kentucky and the College of Engineering, the undergraduate program in mechanical engineering will prepare our graduates for successful practice or academic pursuits in mechanical engineering. Our educational objectives are:

1. Our graduates will practice mechanical engineering in a variety of fields as professionals and/or be recruited to graduate and professional schools in their career paths.
2. Our graduates will communicate effectively, work in diverse teams, address the challenges of a global society, and exhibit leadership, ethics, and creativity in their work places.
3. Our graduates will value continuing education and professional growth by supporting or participating in professional societies, licensure programs, short courses, or other professional development activities.

Degree Requirements
Each student must complete the following:

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list

II. Intellectual Inquiry in the Humanities
Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list

In addition to the premajor and major requirements, students must complete the following:

Technical Electives
Choose 9 hours from the following:

Other Requirements

College of Engineering

Second Semester
CHE 107 General College Chemistry II ........................................... 3
CHE 113 Laboratory to Accompany
General Chemistry II ..................................................................... 2
MA 114 Calculus II ........................................................................ 4
CS 221 First Course in Computer
Science for Engineers .................................................................. 2
CIS/WRD 111 Composition and Communication II ............... 3
UK Core ......................................................................................... 3

Sophomore Year
First Semester
MSE 201 Materials Science ......................................................... 3
CHE 236 Survey of Organic Chemistry ..................................... 3
MA 213 Calculus III ....................................................................... 4
PHY 231 General University Physics ........................................... 4
PHY 241 General University Physics Laboratory .................. 1
MSE 202 Materials Science Laboratory ...................................... 1

Second Semester
MSE 301 Materials Science II ....................................................... 3
MSE 351 Material Thermodynamics ............................................. 3
MA 214 Calculus IV ........................................................................ 4
PHY 232 General University Physics ............................................. 4
EM 221 Statics .............................................................................. 3

Junior Year
First Semester
MSE 401G Metal and Alloys ............................................................. 3
MSE 404G Polymeric Materials ..................................................... 3
CME 200 Process Principles ......................................................... 3
EM 302 Mechanics of Deformable Solids .................................... 3
ENG 2XX Writing Intensive Course ............................................. 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .................................................................................. 3

Second Semester
MSE 403G Ceramic Engineering and Processing ....................... 3
MSE 402G Electronic Materials and Processing ......................... 3
PHY 361 Principles of Modern Physics ........................................... 3
MSE 535 Mechanical Properties of Materials .............................. 3
MSE 407 Materials Laboratory I .................................................... 3
UK Core ......................................................................................... 3

Senior Year
First Semester
MSE 585 Materials Characterization Techniques ......................... 3
MSE 436 Material Failure Analysis ................................................. 3
EE 305 Electrical Circuits and Electronics .................................... 3
MSE 408 Materials Laboratory II .................................................. 3
Technical Elective** ...................................................................... 3
UK Core ......................................................................................... 3

Second Semester
MSE 480 Materials Design ............................................................. 3
MSE 538 Metals Processing ........................................................... 3
Technical Elective** ...................................................................... 3
Supportive Elective* .................................................................... 3
UK Core ......................................................................................... 3

*Supportive elective is any university course, excluding more elementary versions of required courses, such as precalculus mathematics or PHYS 211.

**Choose from the list of Technical Electives above.
ME/MFS 512 Manufacturing Systems ............................... 3
ME 513 Mechanical Vibrations .................................... 3
ME 514 Computational Techniques in Mechanical System Analysis ............................... 3
ME 527 Applied Mathematics in the Natural Sciences I .............................................. 3
ME 530 Gas Dynamics .................................................. 3
ME 531 Fluid Dynamics I .............................................. 3
ME 532 Advanced Strength of Materials ........................................ 3
ME 548 Aerodynamics of Turbomachinery ......................... 3
ME 549 Power Generation ............................................. 3
ME/MSE 554 Chemical and Physical Processing of Polymer Systems ............. 3
ME/MSE 556 Introduction to Composite Materials ......... 3
ME 560 Engineering Optics .......................................... 3
ME 563 Basic Combustion Phenomena .............................. 3
ME/BAE 580 Heating, Ventilating and Air-Conditioning ........................................ 3
ME 599 Topics in Mechanical Engineering
(Subtitle required) .................................................. 3
MFS 599 Topics in Manufacturing Systems
Engineering (Subtitle required) ................................ 3
EGR 599 Topics in Engineering ...................................... 3
CE 521 Engineering Economy ........................................ 3
MSE 201 Materials Science ......................................... 3
BAE 502 Modeling of Biological Systems ...................... 3
BME 501 Foundations of Biomedical Engineering ........... 3
BME 530 Biomedical Instrumentation ................................ 3
Subtotal: Technical Electives: ................................... 9

Statistical/Inferential Reasoning
To be chosen from the approved list of courses in the Statistical/Inferential Reasoning area of the UK Core requirements.

Subtotal: Statistical/Inferential Reasoning: .......................... 3

Supportive Elective Hours
The supportive elective can be any course that carries college credit and is not a more elementary version of a required course. For example, college algebra would not be satisfactory because it is more elementary than the required calculus courses. The student completing 3 co-op tours (EGR 399) may count the co-op experience toward the supportive elective.

Subtotal: Supportive Elective ........................................ 3

TOTAL HOURS: ......................................................... 136

Curriculum

Freshman Year
First Semester
ME 101 Introduction to Mechanical Engineering ........................................ 3
CHE 105 General College Chemistry I ........................................ 3
MA 113 Calculus I ..................................................... 3
CIS/WRD 110 Composition and Communication I ................. 3
UK Core - Global Dynamics* ........................................ 3

Second Semester
ME 151 Manufacturing Engineering .................................. 3
CHE 107 General College Chemistry II .................................. 3
MA 114 Calculus II .................................................. 3
CIS/WRD 111 Composition and Communication II ............... 3
UK Core - Humanities* ............................................... 3

Sophomore Year
First Semester
PHY 231 General University Physics .................................. 4
PHY 241 General University Physics Laboratory .................. 1
MA 213 Calculus III .................................................. 4
CS 221 First Course in Computer Science for Engineers ............... 2
ME 205 Computer Aided Engineering Graphics ....................... 3
UK Core - Social Sciences* ............................................ 3

Second Semester
ME 220 Engineering Thermodynamics I ......................... 3
PHY 232 General University Physics .................................. 4
PHY 242 General University Physics Laboratory ................. 1
MA 214 Calculus IV .................................................. 3
EM 221 Statics ....................................................... 3
UK Core – Statistical/Inferential Reasoning* ............................ 3

Junior Year
First Semester
ME 321 Engineering Thermodynamics II ......................... 3
ME 330 Fluid Mechanics ............................................. 3
EM 302 Mechanics of Deformable Solids ......................... 3
EM 313 Dynamics ..................................................... 3
EE 305 Electrical Circuits and Electronics ......................... 3

Second Semester
ME 310 Engineering Experimentation I ......................... 3
ME 344 Mechanical Design .......................................... 3
ME 325 Elements of Heat Transfer ................................ 3
ME 340 Introduction to Mechanical Systems .................. 3
Mathematics Elective .................................................. 3

Senior Year
First Semester
ME 411 ME Capstone Design I .................................... 3
ME 311 Engineering Experimentation II ......................... 3
ME 440 Design of Control Systems ................................ 3
ME 501 Mechanical Design with Finite Element Methods ........... 3
Technical Elective† .................................................. 3

Second Semester
ME 412 ME Capstone Design II .................................... 3
Technical Electives† .................................................. 3
Supportive Elective# ................................................ 3
UK Core – Creativity and the Arts* .................................. 3

*To be selected from UK Core courses in consultation with the academic advisor.
**To be selected from the UK Core approved courses for Statistical/Inferential Reasoning in consultation with the academic advisor.
†Technical Electives – see list above.
#The supportive electives is to be chosen from any University course, excluding more elementary versions of required courses, such as precalculus mathematics or PHY 211.

In addition to the program on the Lexington campus, students can pursue a B.S. degree in mechanical engineering through the College’s Extended Campus Program in Paducah, Kentucky. The Paducah program uses the same curriculum as the main campus, but provides the opportunity for students to complete all B.S. degree requirements without having to relocate to Lexington. Consistent with the Mission statements of the University of Kentucky, the mechanical engineering program at the UK Extended Campus in Paducah strives to meet the following educational objectives:

- Our graduates will have the technical skills needed to begin engineering practice or to continue their education. These will include the knowledge of how to design and conduct experiments, mathematics and analytical skills, principles for the design of components and systems, as well as a familiarity with software tools common to the field.
- Our graduates will have the broad education and communication skills needed for a variety of career options, and an appreciation of the need for life-long learning to maintain their competency.
- Our graduates will have an understanding of the social and ethical responsibilities of engineers, and the impact that engineers have in environmental and societal issues.

The Paducah mechanical engineering program collaborates with West Kentucky Community Technical College to provide the basic math and science courses, as well as the general studies course requirements. Murray State University faculty members teach upper-level non-engineering courses on the Paducah campus. On-site UK mechanical engineering faculty members and jointly-appointed Murray engineering faculty members teach the upper-division engineering courses. Program admission, course registration, student advising and other student services all can be completed at the Paducah site.

Degree Requirements
The curriculum requirements for the B.S. degree in mechanical engineering in Paducah are identical to those on the Lexington campus. Refer to the degree requirements for the Paducah degree program. Not all the technical electives listed for the Lexington program will be available in Paducah. The student must satisfy the College graduation requirements listed earlier.

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING – PADUCAH

In addition to the program on the Lexington campus, students can pursue a B.S. degree in mechanical engineering through the College’s Extended Campus Program in Paducah, Kentucky. The Paducah program uses the same curriculum as the main campus, but provides the opportunity for students to complete all B.S. degree requirements without having to relocate to Lexington.

Consistent with the Mission statements of the University of Kentucky, the mechanical engineering program at the UK Extended Campus in Paducah strives to meet the following educational objectives:

- Our graduates will have the technical skills needed to begin engineering practice
College of Engineering

tions. All institutions share responsibility for all aspects of the program’s delivery and quality.”

The joint mechanical engineering program is one of only four such joint-degree programs in Kentucky; the others include a joint-degree program between WKU and UK in civil engineering, between WKU and the University of Louisville (UL) in electrical engineering, and between Murray State University and UL in electrical and telecommunications engineering.

The WKU/UK joint programs emphasize a project-oriented educational approach. Courses are provided by both WKU and UK faculty. Students are required to complete a minimum of 16 credit hours of engineering course work taught by UK engineering faculty. At present, the UK contribution is provided primarily by distance delivery via interactive television. The curriculum of the joint mechanical engineering program is under the direction of a joint program faculty, with equal representation from each participating institution. The curriculum for entering students requires 135 credit hours, with the General Studies component based on the requirements of WKU. Students who complete the program will receive a B.S. degree conferred jointly by WKU and UK. Under the terms of the agreements between the degree-awarding institutions, WKU provides basic administrative support for students in the joint-degree program, including admission services, registration, and student financial aid. In addition, academic advising, laboratory and equipment support, and library and media resources are supplied by WKU.

The mechanical engineering curriculum of the joint program is listed below. The joint program faculty are responsible for on-going review of the curricular requirements.

Curriculum

Freshman Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 175 University Experience</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 120/121 Chemistry I and Lab</td>
<td>5</td>
</tr>
<tr>
<td>MATH 126 Calculus I</td>
<td>4.5</td>
</tr>
<tr>
<td>ENG 100 Freshman English</td>
<td>3</td>
</tr>
<tr>
<td>COMM 161 Business Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17.5</td>
</tr>
</tbody>
</table>

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 180 Freshman Design II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 227 Calculus II</td>
<td>4.5</td>
</tr>
<tr>
<td>PHYS 250/251 Intro. Mech. &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>HIST 119/120 Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>*Foreign Language / Modern Language</td>
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<tr>
<td>Total</td>
<td>17.5</td>
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</table>

Sophomore Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 327 Multivariable Calculus</td>
<td>4</td>
</tr>
<tr>
<td>EM 221 UK Statics</td>
<td>3</td>
</tr>
<tr>
<td>ME 240/241 Mats./Meth. and Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 260/261 Intro E&amp;M and Lab</td>
<td>4</td>
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<tr>
<td>ENG 200 Introduction to Literature</td>
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<td>Total</td>
<td>18</td>
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Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 200 Sophomore Design</td>
<td>3</td>
</tr>
<tr>
<td>MATH 331 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>EM 313 UK Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 285 Intro to Ind. Automation</td>
<td>1</td>
</tr>
<tr>
<td>ME 347 Mechanics Lab</td>
<td>1</td>
</tr>
<tr>
<td>Category B / Elective 1 of 2</td>
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<td>Total</td>
<td>17</td>
</tr>
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</table>

Junior Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 220 Eng. Thermo. I</td>
<td>3</td>
</tr>
<tr>
<td>ME 344 UK Mechanical Design</td>
<td></td>
</tr>
<tr>
<td>EE 350 EE Fundamentals</td>
<td>4</td>
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<tr>
<td>Math Elective 1 of 1</td>
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<tr>
<td>Category C / Engineering Econ.</td>
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<tr>
<td>Category F / Elective 1 of 2</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
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</table>

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 300 Junior Design</td>
<td>2</td>
</tr>
<tr>
<td>ME 310 Eng. Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ME 321 UK Eng. Thermo II</td>
<td>3</td>
</tr>
<tr>
<td>ME 330 Fluid Mechanics</td>
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<tr>
<td>ME Tech. Elective 1 of 3</td>
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</tr>
<tr>
<td>ENG 300 Junior English</td>
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Senior Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 325 Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>ME 416 UK Dyn. Systems Elect.</td>
<td>3</td>
</tr>
<tr>
<td>ME 400 Mech. Engr. Design</td>
<td>2</td>
</tr>
<tr>
<td>ME 440 Thermal/Fluid Sys. Lab</td>
<td>2</td>
</tr>
<tr>
<td>ME 445 Dynamic Syst. Lab</td>
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</tr>
<tr>
<td>ME Tech. Elective 2 of 3</td>
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</tr>
<tr>
<td>Total</td>
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</table>

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ME 412 ME Senior Project</td>
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<tr>
<td>ME Tech. Elective 3 of 3</td>
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</tr>
<tr>
<td>Category C / Elective 1 of 1</td>
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</tr>
<tr>
<td>Category B / Elective 2 of 2</td>
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<tr>
<td>Category E / Elective 1 of 1</td>
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<tr>
<td>Category F / Elective 2 of 2</td>
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</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

Each student’s transcript must have at least 16 hours of credit in the major taught by a UK faculty member.

UK faculty are scheduled to deliver the following courses to the ME Joint Program: EM 221, EM 313, ME 321, ME 344, ME 416, and a range of technical electives: ME 498 (Fa) or 499 (Sp).

Check the ME Student Handbook for the latest institutional course offering plan, including technical electives and a list of suitable Mathematics electives.

*Review the WKU Undergraduate Catalog for the current policies concerning the foreign language course.

Consult the WKU Undergraduate Catalog and ICAP for category B, C, E, and F electives. Categories A and D are covered by the plan of study shown.

BACHELOR OF SCIENCE IN MINING ENGINEERING

Mining engineering requires the broadest knowledge of sciences and other fields of engineering in its practice after graduation. The curriculum below prepares the student for a career in the field of mining.

The objectives of the undergraduate program in mining engineering take into consideration the intellectual and personal development of students so that after graduation they will be able to:

- Advance in their careers, adapting to new situations and emerging problems, through the application of general purpose engineering skills and the core technical disciplines, analytical procedures, and design practices of the mining engineering profession.
- Function ethically in a variety of professional roles such as mine planner, designer, production manager, mineral processing engineer, consultant, technical support representative and regulatory specialist with emphasis on the mineral industries of Kentucky and the surrounding region.
- Pursue advanced degrees in mineral-related fields and also those fields that support the mineral industries such as business and law.
- Utilize professional skills such as effective communication, teamwork, and leadership.
- Demonstrate an understanding of the critical role mining engineers play in society with respect to health, safety, and the environment in tangible ways such as achieving professional licensure.

Visit our Web page at: www.engr.uky.edu/mng.

Degree Requirements

Each student must complete the following:

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ...................... 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..................... 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

CHE 105 General College Chemistry I .................... 3
CHE 111 Laboratory to Accompany General Chemistry I 1
<table>
<thead>
<tr>
<th>University of Kentucky</th>
<th>2011-2012 Undergraduate Bulletin</th>
<th>223</th>
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<tbody>
<tr>
<td><strong>Course Requirements</strong></td>
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<tr>
<td><strong>Major Requirements</strong></td>
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<tr>
<td>CHE 105 General College Chemistry I</td>
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<tr>
<td>CS 221 First Course in Computer</td>
<td>3</td>
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<tr>
<td>MA 213 Calculus III</td>
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<td></td>
</tr>
<tr>
<td>MA 322 Mine Safety and Health</td>
<td>3</td>
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<tr>
<td>GLY 220 Principles of Physical Geology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 332 Mining Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MNG 101 Introduction to Mining Engineering</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MNG 211 Mine Surveying</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MNG 231 Explosives and Blasting</td>
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<td></td>
</tr>
<tr>
<td>PHY 242 General University Physics Laboratory</td>
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<tr>
<td><strong>Electives</strong></td>
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<td>Mineral Processing Technical Elective</td>
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<td>Technical Electives</td>
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<td><strong>Subtotal: Electives</strong></td>
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<td><strong>Curriculum</strong></td>
<td><strong>TOTAL HOURS:</strong></td>
<td>132</td>
</tr>
<tr>
<td><strong>Freshman Year</strong></td>
<td>Hours</td>
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<tr>
<td>CHE 105 General College Chemistry I</td>
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<td>CS 221 First Course in Computer</td>
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<tr>
<td>MA 114 Calculus II</td>
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<td>MA 213 Calculus III</td>
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<tr>
<td>MA 211 Mine Surveying</td>
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<td><strong>Second Semester</strong></td>
<td>Hours</td>
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<tr>
<td>CHE 105 General College Chemistry I</td>
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<td>MNG 211 Mine Surveying</td>
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<td>MNG 231 Explosives and Blasting</td>
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<td></td>
</tr>
<tr>
<td>PHY 242 General University Physics Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year</strong></td>
<td>Hours</td>
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<tr>
<td>CS 221 First Course in Computer</td>
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<td>MA 213 Calculus III</td>
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<tr>
<td>MA 214 Calculus IV</td>
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<td>MA 322 Mine Safety and Health</td>
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<tr>
<td>GLY 220 Principles of Physical Geology</td>
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<tr>
<td>MA 332 Mining Methods</td>
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<td>MNG 101 Introduction to Mining Engineering</td>
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<td>MNG 211 Mine Surveying</td>
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<tr>
<td>MNG 231 Explosives and Blasting</td>
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<tr>
<td>PHY 242 General University Physics Laboratory</td>
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<tr>
<td><strong>Junior Year</strong></td>
<td>Hours</td>
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<td>CS 221 First Course in Computer</td>
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<td>MA 213 Calculus III</td>
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<tr>
<td>MA 214 Calculus IV</td>
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<tr>
<td>MA 322 Mine Safety and Health</td>
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<td>GLY 220 Principles of Physical Geology</td>
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<tr>
<td>MA 332 Mining Methods</td>
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<td></td>
</tr>
<tr>
<td>MNG 101 Introduction to Mining Engineering</td>
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<tr>
<td>MNG 211 Mine Surveying</td>
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<td></td>
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<tr>
<td>MNG 231 Explosives and Blasting</td>
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<tr>
<td><strong>Senior Year</strong></td>
<td>Hours</td>
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<tr>
<td>CS 221 First Course in Computer</td>
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<td>MA 322 Mine Safety and Health</td>
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<tr>
<td>MNG 101 Introduction to Mining Engineering</td>
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<td></td>
</tr>
<tr>
<td>MNG 211 Mine Surveying</td>
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<td></td>
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<tr>
<td>MNG 231 Explosives and Blasting</td>
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<td></td>
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<tr>
<td>PHY 242 General University Physics Laboratory</td>
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<tr>
<td><strong>Total Hours</strong></td>
<td>85</td>
<td></td>
</tr>
</tbody>
</table>
The College of Fine Arts was established in September 1976 and includes the Department of Art, the Department of Theatre, the School of Music, the program in Arts Administration, and the Otis A. Singletary Center for the Arts.

Accreditation
Department of Art
The Department of Art is accredited by the National Association of Schools of Art and Design (NASAD).

School of Music
The School of Music is accredited by the National Association of Schools of Music (NASM).

Undergraduate Programs in Fine Arts
The University of Kentucky grants the following degrees in the College of Fine Arts:
- Bachelor of Arts
- Bachelor of Fine Arts
- Bachelor of Music
- Bachelor of Music in Music Education

Students pursuing the Bachelor of Arts may select from these majors: art education, art history, art studio, music (successful audition required), theatre, or arts administration.

Students pursuing the Bachelor of Fine Arts select art studio.

Students pursuing a music degree select the Bachelor of Music with a major in music performance or the Bachelor of Music in Music Education. A successful audition is required.

The college also offers several graduate programs, which are described in The Graduate School Bulletin.

Departmental Minors
Students from any college may choose to have an interdisciplinary minor in the arts, or to minor in art history, art studio, music (music theory and history or performance), or theatre. Requirements for these minors may be found under the departmental listings.

Financial Aid
Department of Art
The University of Kentucky Department of Art and the Office of Institutional Diversity will award the William C. Parker Scholarship in the Visual Arts to an incoming African-American freshman student majoring in art studio, art education, art history, or arts administration. For more information on this four-year scholarship and other smaller departmental scholarships, contact the Art Department, 207 Fine Arts Building, University of Kentucky, Lexington, KY 40506-0022. Or call (859) 257-8151.

School of Music
The School of Music has a number of performance based grants-in-aid and scholarships. Talented singers and instrumentalists should contact the School of Music, Office of Outreach and Recruiting for further information. Call (859) 257-1808 or write c/o 105 Fine Arts Building, University of Kentucky, Lexington, KY 40506-0022.

Department of Theatre
A modest number of scholarships are available from the Department of Theatre. For further information, call (859) 257-3297. Or visit the Web at: www.uky.edu/FineArts/Theatre/.

Requirements for the Bachelor of Arts Degree
Students who wish to pursue the Bachelor of Arts degree within the College of Fine Arts must fulfill the following requirements:

University Requirements
All students must fulfill UK Core requirements. Students should work closely with advisors in selecting courses in each area.

College Requirements
1. Students must complete at least 120 hours of course work or its equivalent with a grade-point average of at least 2.0. Of these hours, 39 must be at or above the 300 level.
2. Students in music and students in art history (major or minor) must 1) satisfy a four-semester sequence in one language by passing the fourth semester or by demonstrating equivalent competence, or 2) pass the third semester course in one language and the second semester course in a second language or demonstrate equivalent competence.
3. Students must complete a major program.

Requirements for a Major
The major – selected from art education, art history, art studio, music, theatre, or arts administration – must include at least 45 credit hours. Among these 45 hours students must include the following:

1. At least six hours of premajor work.
2. At least 18 hours at or above the 200 level in a departmental or school program.
3. At least 9 hours in work related to but outside the major department.

In addition, students must complete the departmental or school requirements that have been established. Specific major requirements are outlined in detail under the appropriate department and school sections which follow.

Requirements for the Bachelor of Fine Arts Degree
The University and College requirements for the B.F.A. are the same as the B.A. requirements outlined above.

Requirements for the Bachelor of Music in Music Performance and in Music Education
These requirements are outlined with other program requirements under the School of Music.

Academic Advising
Advising is conducted through formal meetings with each student every semester to review individual curricular plans and progress towards degree. Lower-division advising (freshman and sophomore standing) is conducted by professional advisors in the Office of Student Affairs, 204 Fine Arts Building. Upper-division students (junior and senior standing) are assigned to faculty advisors/mentors in their major programs.
**DEPARTMENT OF ART**

**Requirements for the B.A. with a major in ART EDUCATION**

Art Education majors who wish to be recommended for a state teaching certificate must complete the requirements for the major in Art Education and the requirements for admission, retention, and completion of a UK educator preparation program (see pages 187-188 of this Bulletin).

The Art Education Program Faculty, the College of Education Director of Academic Services and Teacher Certification, the University Registrar, and in the case of graduate level programs, the UK Graduate School Dean, are charged with the responsibility of monitoring a student’s progress through educator preparation programs. The Director of Academic Services and Teacher Certification recommends to the Kentucky Education Professional Standards Board (EPSB) that a successful candidate be awarded a state educator license (certificate).

**College Requirements**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music, Theatre and/or Arts Administration</td>
<td>6</td>
</tr>
<tr>
<td>plus 39 hours at 300-level or above</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal: College Required Hours</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

*NOTE: Students majoring in Art Education may use no more than six credit hours of courses meeting major requirements to fulfill UK Core requirements.*

| I. Intellectual Inquiry in Arts and Creativity | 6 |
| A-S 102 Two-Dimensional Surface | |
| or |
| A-S 103 Three-Dimensional Form | 3 |
| **II. Intellectual Inquiry in the Humanities** | |
| A-H 106 Renaissance Through Modern Art | 3 |
| **III. Intellectual Inquiry in the Social Sciences** | |
| PSY 100 Introduction to Psychology | 4 |
| **IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences** | |
| Choose one course from approved list | 3 |
| **V. Composition and Communication I** | |
| CIS/WRD 110 Composition and Communication I | 3 |
| **VI. Composition and Communication II** | |
| CIS/WRD 111 Composition and Communication II | 3 |
| **VII. Quantitative Foundations** | |
| Choose one course from approved list | 3 |
| **VIII. Statistical Inferential Reasoning** | |
| Choose one course from approved list | 3 |
| **IX. Community, Culture and Citizenship in the USA** | |
| Recommended: Approved A-H course from list | 3 |
| **X. Global Dynamics** | |
| Recommended: Approved A-H course from list | 3 |
| **UK Core Hours** | 31 |

*At the time of publication, this requirement had not been approved; formal approval is expected in Fall 2011.*

**Progression Requirement**

Students must have earned an overall minimum GPA of 2.5 to progress from premajor to major status.

**Premajor Requirements**

| A-H 105 Ancient Through Medieval Art | 3 |
| A-H 106 Renaissance Through Modern Art | 3 |
| A-S 001 Foundation Exhibition | 0 |
| A-S 101 Art Studio Foundation Seminar | 1 |
| A-S 102 Two-Dimensional Form | 3 |
| A-S 103 Three-Dimensional Form | 3 |
| A-S 130 Drawing | 3 |
| A-S 200 Digital Art, Space and Time | 3 |
| **Premajor Foundation Exhibition** | |
| Each first-year student in the Foundation Program must participate in an annual exhibition to occur late each spring semester. Students will submit one work of their own selection from their first year’s work for the exhibition, present it professionally, and provide an accompanying artist’s statement. Participation in this exhibition is required and is tracked in A-S 001, Foundation Exhibition. |

**Major Requirements**

**Professional and Art Education Requirements**

| A-S 310 Painting | 3 |
| A-S 320 Printmaking I | 3 |
| A-S 321 Printmaking II | 3 |
| A-S 355 Introduction to Sculpture | 3 |
| A-S 370 Ceramics I | 3 |
| A-S 331 Exploration of Human Form | 3 |
| A-S 355 Introduction to Sculpture | 3 |
| A-S 370 Ceramics I | 3 |
| A-S 331 Exploration of Human Form | 3 |
| **Area of Concentration in Art** | |
| 1. ART 191 Art Professions | 2 |
| 2. A-S 201 Art Studio Foundation Seminar | 1 |
| 3. Two Art History courses at or above the 300 level | 6 |
| 4. All of the following courses: | |
| A-S 310 Painting | 3 |
| A-S 320 Printmaking I | 3 |
| A-S 355 Introduction to Sculpture | 3 |
| A-S 370 Ceramics I | 3 |
| A-S 331 Exploration of Human Form | 3 |
| A-S 355 Introduction to Sculpture | 3 |
| **Art Studio electives** | 6 |
| **Subtotal: Area of Concentration in Art Hours** | 30 |
| **Subtotal: Major Hours** | 69-71 |
| **TOTAL HOURS:** | 120 |

**Continuous Assessment in the Art Education Program**

Students’ progress through the art education programs is continuously monitored, assessed, and reviewed. In addition to regular evaluation in conjunction with their program course work and field placements, students will be assessed three times in their art education program:

1. **Teacher Education Program (TEP).** Students who desire to declare an Art Education major will demonstrate their progress in the Foundations Program and commitment to advanced undergraduate study through an application to the TEP. In this application, students must demonstrate that they have earned at least 60 credit hours and meet the criteria put forth by the College of Education by filling out the College of Education TEP application form. Upon meeting those criteria, applicants then have a portfolio review and interview with art education faculty to determine entry into the program.

   The TEP criteria include:
   - Total academic record. A minimum overall grade-point average of 2.5 is required.
   - Performance on required tests measuring proficiency in writing, reading and math.
   - Record of completed preprofessional coursework, experiences, and awards.

2. **Mid-Level Review.** No later than the semester prior to student teaching, students will demonstrate that they meet the criteria put forth by the art education faculty by submitting the materials required for review by the art education faculty.

3. **Student Teaching.** The final assessment is made by the two cooperating public school teachers who supervise the student, and by the observation assessments of the University student teaching supervisor.

**State Mandated Testing and the Kentucky Teacher Internship**

Successful completion of the examinations required by the Kentucky Education Professional Standards Board is a precondition for the granting of a teaching license (certificate). See [www.kyepsb.net/](http://www.kyepsb.net/) for the current list of PRAXIS examination requirements for P-12 Art certification.

Upon being recommended for a Kentucky Teaching License (certificate), a candidate will be issued a Kentucky Letter of Eligibility for the Kentucky Teacher Internship Program.

Upon employment in a Kentucky P-12 school, the candidate will receive a one-year license to practice as a fully qualified intern Art teacher. After successfully completing the internship year, the candidate will be eligible for a regular Kentucky Professional Teaching License (certificate).

Information concerning licensure in other states is available from the Office of Academic Services and Teacher Certification in the College of Education.
Requirements for the B.A. with a major in ART HISTORY

The B.A. offers art history majors courses in the Western tradition, African and Asian art, methodology and theory, and advanced courses with more focused topics that present differing approaches to the discipline. A major in art history focuses on the development of the visual arts within a broad liberal arts tradition. The program equips majors with skills in visual analysis, art historical research, problem solving, critical thinking, and writing, as well as with direct experience with the art object.

Graduates with a B.A. in art history will have received a solid liberal arts education with a strong emphasis on writing, the acquisition of at least one foreign language, and critical thinking, useful for virtually any career path. The degree helps prepare majors for arts-related careers in gallery and museum work or arts organizations at the community or state level. Majors may choose to pursue further post-graduate studies, leading to careers in research and/or field work, teaching, arts administration, and curatorial work in a museum.

The major in art history must include the following:

College Requirements
Music, Theatre and/or Arts Administration ........................................ 6
plus 39 hours at 300-level or above
Subtotal: College Required Hours ........................................ 6

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

NOTE: Students majoring in Art History may use no more than six credit hours of courses within the Department of Art to fulfill UK Core Requirements.

I. Intellectual Inquiry in Arts and Creativity
A-S 102 Two-Dimensional Surface ........................................ 3
or
A-S 103 Three-Dimensional Form ........................................... 3

II. Intellectual Inquiry in the Humanities
A-H 106 Renaissance Through Modern Art ................................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................ 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........................ 3

VII. Quantitative Foundations
Choose one course from approved list ........................................ 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
A-H 360 Visual Culture of Politics ........................................... 3

X. Global Dynamics
Choose one course from approved list ........................................ 3
UK Core Hours ................................................................. 30

Premajor Requirements
Choose one course from approved list ........................................ 3

Subtotal: Premajor Hours ......................................................... 10

Major Requirements
Performance Review
When majors have completed nine hours of art history at the 300 level or above, their performance is reviewed by the art history faculty for purposes of undergraduate and career advising. Students with a grade-point average below 2.5 in the major will confer with their advisor and together develop a strategy for improving and completing successfully their degree work.

Foreign Language
To satisfy the requirement students must: 1) satisfy a four-semester sequence in one language pertinent to primary or secondary sources for art historical scholarship (German or French recommended) by passing the fourth semester, or 2) pass the third semester course in one language and the second semester course in a second language, or 3) demonstrate equivalent competence.

Subtotal: Foreign Language ......................................................... 12-19

Art History
Twenty-four hours of art history are required beyond the premajor requirements. Of these, the following are specified:
At least one course from four of the five following groups ........................................ 12

The four courses from these groups are designed to introduce students to major developments in the history of art. Students will develop skills in art historical analysis, research methods, writing, and problem solving.

Non-Western Art
A-H 307 Ancient Near Eastern and Egyptian Art .................................... 3
A-H 308 Studies in African Art (Subtitle required) .................................... 3

Ancient and Medieval Art
A-H 312 Studies in Greek Art (Subtitle required) .................................... 3
A-H 313 Studies in Roman Art (Subtitle required) .................................... 3
A-H 323 Studies in Medieval Art (Subtitle required) .................................... 3

Renaissance and Early Modern Art
A-H 334 Studies in Renaissance Art (Subtitle required) .................................... 3
A-H 335 Studies in Early Modern Art, 1500-1700 (Subtitle required) ............ 3

18th and 19th Century Art
A-H 339 Studies in Art 1700-1840 (Subtitle required) .................................... 3
A-H 340 Studies in Art 1840-1914 (Subtitle required) .................................... 3
A-H 342 Studies in American Art (Subtitle required) .................................... 3

Modern Art
A-H 341 Studies in 20th Century Art (Subtitle required) .................................... 3
A-H 342 Studies in American Art (Subtitle required) .................................... 3
A-H 343 History of Photography ......................................................... 3
A-H 350 Contemporary Art ................................................................. 3

*Depending on subtitle, and as indicated on the syllabus, this course may satisfy this area requirement.

Plus at least one of the following:
These courses are designed to provide students with direct experience with the art object through either a museum practicum or organized course.
A-H 399 Experiential Education in Art History .................................... 3
A-H 501 Museum Studies I: Introduction ........................................... 3
A-H 502 Museum Studies II: Internship ............................................. 3
A-H 503 Art History Through the Art Object (Subtitle required) .............. 3

Subtotal: Major Hours ................................................................. 24

Electives
Successful completion of nine hours in work related to, but outside, the Art Department. With the approval of an advisor, students are encouraged to select courses in aesthetics (PHI 592), anthropology, architectural history, art studio, arts administration, art professions, classics, history, history of film, history of interior design, history of theatre, literature, music, philosophy, and most particularly foreign language – especially German, French, or other languages relevant to special program or regional studies. In addition, students must choose six hours of free electives.

Subtotal: Electives ................................................................. 15

TOTAL HOURS: ................................................................. 120

Minor in Art History
Students from any college may choose to minor in art history. This minor requires at least 18 hours of course work.

1. Select two of the following A-H courses:
A-H 103 World Art
A-H 105 Ancient Through Medieval Art
A-H 106 Renaissance Through Modern Art

2. At least nine hours of work in art history at the 300 level or above

3. At least one course in art studio
Requirements for the B.A. with a major in ART STUDIO

NOTE: The B.A. in Art Studio as listed below has been provisionally approved; formal approval is expected in Fall 2011.

The main thrust of the B.A. is the pursuit of a broad liberal arts education that extends beyond the purview of the Art Studio curriculum. This degree is available to students wishing to focus in a single medium or a combination of the following media: ceramics, digital media, drawing, fiber, painting, photography, printmaking, and sculpture.

The major in art studio must include the following:

College Requirements
- Music, Theatre and/or Arts Administration .............................................. 6
- plus 39 hours at 300-level or above

Subtotal: College Required Hours .......................................................... 6

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

NOTE: Students majoring in Art Studio may use no more than three credit hours of courses meeting Major Requirements to fulfill UK Core Requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................................................. 3

II. Intellectual Inquiry in the Humanities
A-H 105 Ancient Through Medieval Art ............................................. 3
or
A-H 106 Renaissance Through Modern Art ......................................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................................................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................................................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................................. 3

VII. Quantitative Foundations
Choose one course from approved list .................................................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .................................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................................................. 3

X. Global Dynamics
Choose one course from approved list .................................................. 3

UK Core Hours ......................................................................................... 30

Premajor Requirements
Progression Requirement
Students must have earned at least a letter grade of C in each of the premajor foundation courses to progress from premajor to major status.

Art Studio Foundations

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-S 101 Art Studio Foundation Seminar (taken first semester)</td>
<td>1</td>
</tr>
<tr>
<td>A-S 102 Introduction to Asian Art</td>
<td>3</td>
</tr>
<tr>
<td>A-S 104 Introduction to African Art</td>
<td>3</td>
</tr>
<tr>
<td>A-S 105 Ancient Through Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>A-S 106 Renaissance Through Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>A-S 001 Foundation Exhibition</td>
<td>0</td>
</tr>
<tr>
<td>A-S 102 Two-Dimensional Surface</td>
<td>3</td>
</tr>
<tr>
<td>A-S 103 Three-Dimensional Form</td>
<td>3</td>
</tr>
<tr>
<td>A-S 130 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>A-S 200 Digital Art, Space and Time</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: Premajor Hours ................................................................. 19

Premajor Foundation Exhibition
Each first-year student in the Foundation Program must participate in an annual exhibition to occur late each spring semester. Students will submit one work of their own selection from the first year’s work for the exhibition, present it professionally, and provide an accompanying artist’s statement. Participation in this exhibition is required and is tracked in A-S 001, Foundation Exhibition.

Major Requirements

B.A. Entrance Portfolio
Students who plan to declare an Art Studio major will demonstrate their progress in the Foundations Program and commitment to advanced undergraduate study through a mandatory portfolio review. The portfolio is to include selected works of art from each of the student’s premajor foundation courses as well as a selection of works that indicates the student’s current proposed direction. The portfolio will be created as a requirement of the Studio Core Seminar (A-S 201).

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>A-S 191 Art Professions (2 credit hours required)</td>
<td></td>
</tr>
<tr>
<td>A-S 201 Art Studio Foundation Seminar (1 credit hour)</td>
<td></td>
</tr>
</tbody>
</table>

Three twenty-four credit hours of studio courses at or above the 300 level, including the Studio Core requirement (9 credit hours). To fulfill the Studio Core, students must complete one course from each of the following categories:

STUDIO CORE

- Category One Options (3 credit hours)
  - A-S 310 Painting I
  - A-S 320 Printmaking I
  - A-S 350 Fiber I

- Category Two Options (3 credit hours)
  - A-S 355 Introduction to Sculpture
  - A-S 370 Ceramics I

- Category Three Options (3 credit hours)
  - A-S 380 Black and White Darkroom Photography
  - A-S 345 Web Design
  - A-S 346 Digital Video
  - A-S 348 Circuits & Bits: Introduction to Hardware and Software Topics in Arts

- At least 6 credit hours of art history at or above the 300 level
- A-S 490 Senior Seminar (1 credit hour; taken during the final semester of study)
- Participation in a Graduating Seniors’ Juried Exhibition

Subtotal: Major Hours ........................................................................... 43

Required Minor
To fulfill the requirements for the B.A. in Art Studio, students must complete an official UK minor from any area except Art Studio.

Subtotal: Required Minor ................................................................. 18-21

Electives
Students must complete 6-9 hours of free electives.

Subtotal: Electives ............................................................................. 6-9

TOTAL HOURS: ..................................................................................... 120

Requirements for the B.F.A. with a major in ART STUDIO

NOTE: The B.F.A. in Art Studio as listed below has been provisionally approved; formal approval is expected in Fall 2011.

The B.F.A. program will allow for development of studio practice at a more focused, sophisticated, and professional level. This degree is available to students who demonstrate special abilities through a B.F.A. portfolio review of work in the visual arts no earlier than the student’s fifth semester of college art study (60 credit hour minimum). Applicants must have completed all art studio premajors and studio core requirements prior to application. A student’s program of study may focus on a single medium from the following media: ceramics, digital media, drawing, fiber, painting, photography, printmaking, and sculpture.

College Requirements
- Music, Theatre and/or Arts Administration .............................................. 6
- plus 39 hours at 300-level or above

Subtotal: College Required Hours .......................................................... 6

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

NOTE: Students majoring in Art Studio may use no more than three credit hours of courses meeting Major Requirements to fulfill UK Core Requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .................................................. 3

II. Intellectual Inquiry in the Humanities
A-H 105 Ancient Through Medieval Art ............................................. 3
or
A-H 106 Renaissance Through Modern Art ......................................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .................................................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .................................................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................................. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................................. 3

VII. Quantitative Foundations
Choose one course from approved list .................................................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .................................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................................................. 3

X. Global Dynamics
Choose one course from approved list .................................................. 3

UK Core Hours ......................................................................................... 30

Premajor Requirements
Progression Requirement
Students must have earned at least a letter grade of C in each of the premajor foundation courses to progress from premajor to major status.

Art Studio Foundations

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<td>3</td>
</tr>
<tr>
<td>A-S 200 Digital Art, Space and Time</td>
<td>3</td>
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</tbody>
</table>

Subtotal: Premajor Hours ................................................................. 19

Premajor Foundation Exhibition
Each first-year student in the Foundation Program must participate in an annual exhibition to occur late each spring semester. Students will submit one work of their own selection from the first year’s work for the exhibition, present it professionally, and provide an accompanying artist’s statement. Participation in this exhibition is required and is tracked in A-S 001, Foundation Exhibition.

Major Requirements

B.A. Entrance Portfolio
Students who plan to declare an Art Studio major will demonstrate their progress in the Foundations Program and commitment to advanced undergraduate study through a mandatory portfolio review. The portfolio is to include selected works of art from each of the student’s premajor foundation courses as well as a selection of works that indicates the student’s current proposed direction. The portfolio will be created as a requirement of the Studio Core Seminar (A-S 201).

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<td>A-S 201 Art Studio Foundation Seminar (1 credit hour)</td>
<td></td>
</tr>
</tbody>
</table>

Three twenty-four credit hours of studio courses at or above the 300 level, including the Studio Core requirement (9 credit hours). To fulfill the Studio Core, students must complete one course from each of the following categories:

STUDIO CORE

- Category One Options (3 credit hours)
  - A-S 310 Painting I
  - A-S 320 Printmaking I
  - A-S 350 Fiber I

- Category Two Options (3 credit hours)
  - A-S 355 Introduction to Sculpture
  - A-S 370 Ceramics I

- Category Three Options (3 credit hours)
  - A-S 380 Black and White Darkroom Photography
  - A-S 345 Web Design
  - A-S 346 Digital Video
  - A-S 348 Circuits & Bits: Introduction to Hardware and Software Topics in Arts

- At least 6 credit hours of art history at or above the 300 level
- A-S 490 Senior Seminar (1 credit hour; taken during the final semester of study)
- Participation in a Graduating Seniors’ Juried Exhibition

Subtotal: Major Hours ........................................................................... 43

Required Minor
To fulfill the requirements for the B.F.A. in Art Studio, students must complete an official UK minor from any area except Art Studio.

Subtotal: Required Minor ................................................................. 18-21

Electives
Students must complete 6-9 hours of free electives.

Subtotal: Electives ............................................................................. 6-9

TOTAL HOURS: ..................................................................................... 120
College of Fine Arts

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

VII. Quantitative Foundations
Choose one course from approved list ......................................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................................... 3

X. Global Dynamics
Choose one course from approved list ......................................... 3

UK Core Hours ................................................................. 30

Premajor Requirements

Progression Requirement
Students must have earned at least a letter grade of C in each of the premajor foundation courses to progress from premajor to major status.

Art Studio Foundations Hours
1. A-S 101 Art Studio Foundation Seminar (taken first semester) ........................................ 1
2. Choose one of the following:
   A-H 102 Introduction to Asian Art ........................................... 3
   A-H 104 Introduction to African Art .......................................... 3
   A-H 105 Ancient Through Medieval Art .................................. 3
3. A-H 106 Renaissance Through Modern Art ................................ 3
   A-S 001 Foundation Exhibition ................................................. 0
   A-S 102 Two-Dimensional Surface .......................................... 3
   A-S 103 Three-Dimensional Form .......................................... 3
   A-S 130 Drawing ................................................................ 3
   A-S 200 Digital Art, Space and Time ...................................... 3

Subtotal: Premajor Hours .................................................... 19

Premajor Foundation Exhibition
Each first-year student in the Foundation Program must participate in an annual exhibition to occur late each spring semester. Students will submit one work of their own selection from the first year’s work for the exhibition, present it professionally, and provide an accompanying artist’s statement. Participation in this exhibition is required and is tracked in A-S 001, Foundation Exhibition.

Major Requirements

B.F.A. Entrance Portfolio
B.A. Art majors may apply for the B.F.A. degree. The procedure to apply for entry into the Art Studio B.F.A. major consists of a mandatory portfolio review juried by Art Studio faculty. If the quality of the portfolio is not deemed sufficient, students may reapply.

The portfolio will be juried from actual works of art presented in a professional format. The selected works should demonstrate the student’s advanced level of study, current proposed direction, and strong evidence that the student can succeed in creating a coherent body of work for a solo exhibition. Students will be present during the review to answer questions regarding formal, technical and conceptual elements of their work. In addition to the in-person review, students will submit an artist’s statement and documentation of work presented during the review.

1. ART 191 Art Professions (2 credit hours required)
2. A-S 201 Art Studio Foundation Seminar (1 credit hour)
3. ART 291 B.F.A. Studio Practicum (2 credit hours required)
4. Thirty-six credit hours of studio courses at or above the 300 level, according to the student’s committee-approved plan of study. As a part of this 36 credit hour requirement, majors are to complete one course from each of the three following categories during the sophomore year (or equivalent):

   **STUDIO CORE**
   Category One Options (3 credit hours)
   A-S 310 Painting I
   A-S 320 Printmaking I
   A-S 350 Fiber I

   Category Two Options (3 credit hours)
   A-S 355 Introduction to Sculpture
   A-S 370 Ceramics I

   Category Three Options (3 credit hours)
   A-S 380 Black and White Darkroom Photography
   A-S 345 Web Design
   A-S 346 Digital Video
   A-S 348 Circuits & Bits: Introduction to Hardware and Software Topics in Arts

5. At least 9 hours of art history at or above the 300 level
6. A-S 490 Senior Seminar (1 credit hour; taken during the final semester of study)
7. Participation in a Graduating Seniors’ Exhibition, reviewed by a faculty committee
8. At least 9 hours in work related to but outside the major. Choice of this related work must be approved by the student’s advisor. Courses which are used to fulfill UK Core requirements may also be used to fulfill this related work, when appropriate.
9. Students are required to complete a minimum of two semesters at the University of Kentucky following admission into the B.F.A. program.

Subtotal: Major Hours ......................................................... 60

Electives
Students must complete 9 hours of free electives.

Subtotal: Electives ............................................................. 9

TOTAL HOURS: .............................................................. 120

Minor in Art Studio
"NOTE: The minor in Art Studio as listed below has been provisionally approved; formal approval is expected in Fall 2011."

Students from any college may choose to minor in art studio. They may choose between a broad-based introduction to studio arts or a more focused concentration in a specific medium such as ceramics, drawing, intermedia, fiber, painting, photography, printmaking, or sculpture. All prospective minors should seek advice from an Art Studio faculty member.

To earn a minor in Art Studio, students must complete the following:

1. ART 191 Art Professions.................................................. 2
2. One course chosen from the list below:
   A-S 102 Two-Dimensional Surface ........................................ 3
   A-S 103 Three-Dimensional Form ........................................ 3
   A-S 130 Drawing ................................................................ 3
   A-S 200 Digital Art, Space and Time .................................. 3
3. One course in Art History ................................................... 3
4. At least twelve hours in studio at the 200 level or above (with a minimum of nine hours at or above the 300 level)

Subtotal: Minor Hours ....................................................... 20

Only three hours from courses taken to fulfill a requirement in another major or minor can be used to meet the requirements of the minor in Art Studio. Students must take at least nine hours of classes at the 200 level or above from the UK Art Studio program.

SCHOOL OF MUSIC

Requirements for the B.A. with a major in MUSIC
Admission to the B.A. program in music is granted only after the successful completion of an audition in the student’s performance area.

The major in music must include the following:

College Requirements
Art, Theatre and/or Arts Administration .......................................... 6
plus 39 hours at 300-level or above

Subtotal: College Required Hours ............................................ 6

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

VII. Quantitative Foundations
Choose one course from approved list ........................................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................... 3

X. Global Dynamics
Choose one course from approved list ........................................... 3

UK Core Hours ................................................................. 30
### Lower Division Major Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Music History: MUS 203</td>
<td>3</td>
</tr>
<tr>
<td>3. Major musical instrument or voice performance course of two hours each semester</td>
<td>8</td>
</tr>
<tr>
<td>4. Ensemble</td>
<td>4</td>
</tr>
<tr>
<td>5. All music majors must pass a piano proficiency examination and should schedule, in consultation with their advisor, a suitable course each semester until this requirement is completed. Students with little or no prior piano study should normally expect to complete the piano proficiency examination by the end of four semesters of study</td>
<td>4 or as needed</td>
</tr>
<tr>
<td>6. MUS 001 Recital Attendance (four courses – zero credit – completed satisfactorily)</td>
<td>0</td>
</tr>
</tbody>
</table>

**Subtotal: Lower Division Hours** 31-35

### UK Core Requirements

**See the UK Core section of this Bulletin for the complete UK Core requirements.** The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

#### I. Intellectual Inquiry in Arts and Creativity
- Choose one course from approved list: 3

#### II. Intellectual Inquiry in the Humanities
- Choose one course from approved list: 3

#### III. Intellectual Inquiry in the Social Sciences
- Choose one course from approved list: 1

#### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
- Choose one course from approved list: 3

#### V. Composition and Communication I
- CIS/WRD 110 Composition and Communication I: 3

#### VI. Composition and Communication II
- CIS/WRD 111 Composition and Communication II: 3

#### VII. Quantitative Foundations
- Choose one course from approved list: 3

#### VIII. Statistical Inferential Reasoning
- Choose one course from approved list: 3

#### IX. Community, Culture and Citizenship in the USA
- Choose one course from approved list: 3

#### X. Global Dynamics
- Choose one course from approved list: 3

**UK Core Hours** 30

### Major Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. All music majors must pass a piano proficiency examination. Piano majors work toward this goal as part of their keyboard study</td>
<td>0</td>
</tr>
<tr>
<td>2. Music Theory: MUS 370, 372, and choice of MUS 572 or 573</td>
<td>7</td>
</tr>
<tr>
<td>3. Piano Literature: MUS 522</td>
<td>3</td>
</tr>
<tr>
<td>4. Piano Pedagogy: MUS 566</td>
<td>3</td>
</tr>
<tr>
<td>5. Conducting: MUS 358</td>
<td>2</td>
</tr>
<tr>
<td>6. Electives</td>
<td>15</td>
</tr>
<tr>
<td>7. Senior Recital: the successful completion of a solo recital must be completed for graduation.</td>
<td>15</td>
</tr>
</tbody>
</table>

**Subtotal: Piano Concentration** 30

### Concentration in Organ

1. All music majors must pass a piano proficiency examination. Organ majors work toward this goal as part of their keyboard study | 0     |
2. Piano – one credit course MUP 101, MUP 201, each repeated once | 4     |
3. Music Theory: MUS 370, 372, and choice of MUS 572 or 573 | 7     |
4. Organ Literature: MUS 521 | 3     |
5. Conducting: MUS 358 | 2     |
6. Electives | 14    |
7. Senior Recital: the successful completion of a solo recital must be completed for graduation. | 14    |

**Subtotal: Organ Concentration** 30

### Concentration in Voice

1. All music majors must pass a piano proficiency examination and should schedule, in consultation with their advisor, a suitable course each semester until this requirement is completed. Students with little or no prior piano study should normally expect to complete the piano proficiency examination by the end of four semesters of study | 4 or as needed |
2. Music Theory: MUS 370, 372, and choice of MUS 572 or 573 | 7     |
3. Foreign Language – Select two languages from Italian, French, or German and pass the third semester course of one language (or demonstrate equivalent competence) and the second semester course of another language (or demonstrate equivalent competence); or from these three languages, pass the second semester course of one language (or demonstrate equivalent competence), the second semester course of a second language (or demonstrate equivalent competence) and the first semester of a third language (or demonstrate equivalent competence) | 0-19   |
4. Foreign Language Vocal Diction: MUS 120 | 4     |
5. Vocal Solo Literature: MUS 520 | 3     |
6. Conducting: MUS 358 | 2     |
7. Opera Workshop: MUC 196 | 2     |
8. Movement for Singers: MUC 197 | 1     |
9. Opera Practicum: MUC 198 | 2     |
10. Electives | 6-8    |
11. Senior Recital: the successful completion of a solo recital must be completed for graduation. | 12    |

**Subtotal: Voice Concentration** 20-48

**TOTAL HOURS:** 120
Requirements for the BACHELOR OF MUSIC IN MUSIC EDUCATION

The major in music education is the joint concern of the School of Music in the College of Fine Arts and the Department of Curriculum and Instruction in the College of Education. Admission to the program is granted only after the successful completion of an audition in the student’s performance area. In addition to completing the required courses, the student must present a half-recital or the equivalent on the major instrument in voice during or after the sixth semester of study.

Music education majors who wish to receive a teaching certificate must meet the certification requirements of the College of Education, as well as the requirements for the College of Fine Arts. To qualify for student teaching and state teacher certification, a student must be officially admitted into the Teacher Education Program. Certification also requires successful completion of the NTE/Praxis II and a one-year paid internship. Additional information on TEP, NTE/Praxis II, certification and internship is outlined in the College of Education section of this Bulletin.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .............................................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .............................................. 3

III. Intellectual Inquiry in the Social Sciences
*PSY 100 Introduction to Psychology .............................................. 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .............................................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............................ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........................... 3

VII. Quantitative Foundations
Choose one course from approved list .............................................. 3

VIII. Statistical Inference Reasoning
Choose one course from approved list .............................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .............................................. 3

X. Global Dynamics
Choose one course from approved list .............................................. 3

UK Core Hours ............................................................................. 31

*$PSY 100 is required for certification. It also fulfills the Social Sciences area of the UK Core.

Professional Education Requirements

EDP 202 Human Development and Learning .................................... 3
EDP 203 Teaching Exceptional Learners in Regular Classrooms ......... 3
EPE 301 Education in American Culture .......................................... 3

EDC 377 Student Teaching in Music .............................................. 12
Computer Competency: MUS 317 or EDC 317 or equivalent ......... 0-1

Subtotal: Professional Education ............................................... 21-22

Music Requirements – General Hours
Recital Attendance: (four courses – zero credit – completed satisfactorily) .............................................. 0
Music History: MUS 203, 302, 303 .............................................. 9
Performance: MUP in major performance area ............................. 12
Senior Recital: the successful completion of one half a solo recital must be completed for graduation. Ensembles (one of which must be a chamber music ensemble) .............................................. 6
Electives ....................................................................................... 6

Subtotal: General Major Requirements ..................................... 53

Music Requirements – Major Performance Areas

Depending on the area of interest, the student must select one of the major performance areas below:

Major Performance Area – Vocal Hours
A. Diction: MUS 120 (two semesters) ........................................... 2
B. All music majors must pass a piano proficiency examination and should schedule, in consultation with their advisor, a suitable course each semester until this requirement is completed. Students with little or no prior piano study should normally expect to complete the piano proficiency examination by the end of four semesters of study. Music Education majors should pass the piano proficiency examination at least two semesters before student teaching. .................................................. 4 as needed
C. Music Education: MUP 262, 264, 360, 361, 362 .......................... 15
D. Secondary Instruments: choose three of the following: MUC 157, MUC 158, MUC 161, MUC 163 ................................................................. 3
Subtotal: Vocal Performance Area ............................................. 24

Major Performance Area – Keyboard Hours
A. All music majors must pass a piano proficiency examination. Keyboard majors work towards this goal as part of their keyboard study. Music education majors should pass the piano proficiency exam at least two semesters before student teaching.
B. Minor Performance: MUP 102, 202 ................................. 3
A voice proficiency test must be passed prior to student teaching.
C. Pedagogy and Literature—select one of the following:
   MUS 522, 523, 566 ..................................................................... 3
D. Music Education: MUS 262, 264, 360, 361, 362 ....................... 15
E. Secondary Instruments—choose three of the following:
   MUC 157, MUC 158, MUC 161, MUC 163 .............................................. 3
Subtotal: Keyboard Performance Area ..................................... 24

Major Performance Area – Woodwinds, Brass, Strings, Percussion Hours
A. All music majors must pass a piano proficiency examination and should schedule, in consultation with their advisor, a suitable course each semester until this requirement is completed. Students with little or no prior piano study should normally expect to complete the piano proficiency examination by the end of four semesters of study. Music Education majors should pass the piano proficiency examination at least two semesters before student teaching. .................................................. 4 as needed

B. Secondary Instruments
   Brass, Woodwind and String majors: choose five hours from MUC 158, 161, and 163, plus one hour of MUC 157 .................................................. 6
   Percussion majors: take two hours each of MUC 158, 161, and 163 .................................................. 6
   C. Music Education: MUS 263, 265, 360, 363, 365 .......................... 15
Subtotal: Woodwinds, Brass, Strings, Percussion Performance Area ................................... 25
TOTAL HOURS: ........................................................................ 120

Minor in Music

Students from any college may complete a minor in music, selecting either an emphasis in theory/history or performance. Such a minor consists of at least 18 hours of course work in music. In the theory/history emphasis, six to nine hours of music theory, six to nine hours of music history, and three hours of music performance are required. In the performance emphasis, eight hours of performance instruction, four hours of appropriate ensemble, and six hours of music history or theory are required. A successful audition is required for private performance study in the designated area (level of performance expectation is that of entering freshman music major). The course requirements are as follows:

Minor in Music: Music Theory and History

1. Music Theory (six to nine hours)
   Students should choose from:
   MUS 174 Theory for Non-Music Majors .................................................. 3
   MUS 170/171 Theory I: Elementary Aural and Written Theory .............................................. 4
   (Theory placement examination or MUS 174 is a prerequisite)
   MUS 172/173 Theory I: Elementary Aural and Written Theory .............................................. 4
   (MUS 170/171 are prerequisites)

2. Music History (six to nine hours)
   Students should choose from:
   MUS 100 Introduction to Music .................................................. 3
   MUS 201 Music in Western Culture to 1700 ...................................... 3
   MUS 202 Music in Western Culture, 1700 to Present ........................... 3
   MUS 203 History of Music I .............................................................. 3
   MUS 206 American Music .............................................................. 3
   MUS 220 Symphonic Music ............................................................ 3
   MUS 221 Survey of Vocal Music: Opera, Art Song, Choral Music ............... 3
   MUS 300 History of Jazz ................................................................. 3
   MUS 301 Appalachian Music .......................................................... 3
   MUS 302 History of Music II .............................................................. 3
   MUS 303 History of Music III ............................................................ 3
   MUS 330 Music in the World (Subtitle required) ...................................... 3

3. Performance (three hours)
   Students may choose class or private performance instruction (one to two hours) or ensemble (one to two hours).
Minor in Music: Performance
1. Performance Study (12 hours)
   Performance instruction (eight hours) – four semesters, sequential enrollment in MUP courses at appropriate level; two hours per semester.
   Ensemble (four hours) in appropriate ensemble.
2. Music History and Theory (six hours)
   Courses to be chosen from the following:
   - MUS 174 Theory for Non-Music Majors ......................................... 3
   - MUS 170/171 Theory I: Elementary Aural and Written Theory (Theory placement examination or MUS 174 is a prerequisite) 4
   - MUS 172/173 Theory I: Elementary Aural and Written Theory (MUS 170/171 are prerequisites) 4
   - MUS 201 Music in Western Culture to 1700 .................................. 3
   - MUS 202 Music in Western Culture, 1700 to Present .......................... 3
   - MUS 203 History of Music I ...................................................... 3
   - MUS 206 American Music ............................................................ 3
   - MUS 220 Symphonic Music ......................................................... 3
   - MUS 221 Survey of Vocal Music:
     - Opera, Art Song, Choral Music .................................................. 3
     - MUS 300 History of Jazz ............................................................ 3
     - MUS 301 Appalachian Music ....................................................... 3
     - MUS 302 History of Music II ...................................................... 3
     - MUS 303 History of Music III .................................................... 3
   - MUS 330 Music in the World (Subtitle required) ............................. 3
   
   Note: Some variation in the above courses is possible with written approval from the Director of Undergraduate Studies, School of Music. The availability of the minor in music performance is dependent on sufficient time within the appropriate instructor’s designated teaching load.

DEPARTMENT OF THEATRE

The University of Kentucky Department of Theatre is grounded in the belief that theater is a fundamental cultural necessity that enriches all who participate in it.

Our B.A. degree program emphasizes the interaction of practice and theory and is geared toward students who are interested in theatre as a part of a liberal arts education. Students create a program that is unique to their interests and strengths, with freedom to choose between three categories of electives to complete a truly individualized course of study.

The Department of Theatre is oriented toward a multicultural world-view, interdisciplinary collaborations and civic responsibility through Engagement and Service-Learning. Theatre courses emphasize the truly inclusive nature of the art form, which encompasses performance, literature, design, history, artistic community, and intellectual rigor.

Requirements for the B.A. with a major in THEATRE

   The major in theatre must include the following:

   **College Requirements**
   - Art, Music and/or Arts Administration ...................................... 6
   - plus 39 hours at 300-level or above
   - **Subtotal: College Required Hours** ........................................ 6

   **UK Core Requirements**
   See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

   NOTE: Students majoring in Theatre may use no more than three credit hours within the theatre major requirements to fulfill UK Core Requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
   Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ........................................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ........................................ 3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I .......................... 3

VI. Composition and Communication II
   CIS/WRD 111 Composition and Communication II ........................ 3

VII. Quantitative Foundations
   Choose one course from approved list ........................................ 3

VIII. Statistical Inferential Reasoning
   Choose one course from approved list ........................................ 3

IX. Community, Culture and Citizenship in the USA
   Choose one course from approved list ........................................ 3

X. Global Dynamics
   Choose one course from approved list ........................................ 3

   **UK Core Hours** ................................................................. 30

Progression Requirements
Students must receive 3.0 or higher in the premajor classes to progress from provisional major status.

   **Premajor Requirements**
   - Hours
   - TA 115 Freshman Studio ........................................................ 3
   - TA 171 World Theatre I .......................................................... 3
   - **Subtotal: Premajor Hours** ................................................... 11

   **Major Requirements**
   - Hours
   - TA 215 Sophomore Studio ....................................................... 3
   - TA 260 Stagecraft ................................................................. 3
   - TA 265 Costume Construction .................................................. 3
   - TA 267 Lighting and Sound Technology .................................... 3
   - TA 271 World Theatre I .......................................................... 3
   - TA 273 World Theatre III ....................................................... 3
   - TA 274 World Theatre IV ....................................................... 3
   - TA 275 Stage Management ..................................................... 3

   **Subtotal: Major Hours** ....................................................... 35

Electives
Students must choose at least one course from each category below. A total of 24 credits are required for graduation.

   **Practice and Performance**
   - TA 225 Vocal Production for the Stage I .................................. 3
   - TA 300 Special Projects in Theatre (Subtitle required) ................ 3
   - TA 516 Playwriting .................................................................. 3
   - TA 526 Playwriting II .............................................................. 3
   - TA 530 Experiment in Directing (repeatable once) ....................... 3

   **Design and Technology**
   - TA 361 Graphics for Theatre .................................................. 3
   - TA 365 Costume Design .......................................................... 3
   - TA 367 Lighting Design ........................................................... 3
   - TA 368 Visual Storytelling ..................................................... 3
   - TA 374 Scene Design ............................................................... 3
   - TA 470 Advanced Project in Design (repeatable) ......................... 3

   **Theory and History**
   - TA 286 Social Action Theatre ................................................ 3
   - TA 584 Black Theatre Workshop ............................................. 3
   - TA 387 Seminar in Dramatic Literature (Subtitle required) ........ 3
   - TA 485 French Theatre: Culture, Text and Performance ............ 3
   - TA 584 Asian Theatre ............................................................... 3
   - TA 587 Gender and Performance (Subtitle required) ................. 3

   **Related Experience/Electives**
   Students must complete nine hours of course credit related to but outside the College of Fine Arts.

   **Subtotal: Related Experience/Electives** .................................. 9

   **TOTAL HOURS:** ................................................................. 120

Minor in Theatre

Students from any college may choose to minor in theatre. This minor requires at least 21 hours of course work arranged as follows:

   **1. Prerequisites**
   - Hours
   - TA 150 Fundamentals of Design and Production ...................... 3
   - TA 126 Acting I: Fundamentals of Acting .................................. 3

   When appropriate, upper level courses may be substituted with the approval of the student’s advisor and the chairperson of the Department of Theatre.

   **2. Performance/Production Experience**
   - TA 390 Theatre Practicum (repeat three times) ......................... 3

   **3. Elective Theatre courses** (12 hours)
   - Of these 12 hours, at least three hours must be at the 300 level or above.
INTERDISCIPLINARY PROGRAMS

Requirements for the B.A. with a major in ARTS ADMINISTRATION

NOTE: The B.A. with a major in Arts Administration as listed below has been provisionally approved; formal approval is expected in Fall 2011.

With the increase in the number of performing and visual arts facilities, arts councils and arts advocacy groups, there is a growing need for individuals with both artistic sensibilities and business acumen to work in these organizations. Through the arts administration program, students take classes in the disciplines of art, dance, music, and theatre, plus a wide range of courses related to the business management of nonprofit arts organizations. The program prepares students for entry-level management positions in arts organizations and for graduate study.

Admission
To be admitted into the Arts Administration Program as a major, an applicant must first:
1. be enrolled in the University of Kentucky;
2. complete 45 semester hours of course work;
3. have a minimum 2.8 cumulative grade-point average;
4. complete premajor core requirements (AAD 150, AAD 200, AAD 202, ACC 201, ECO 201, and CIS/WRD 111 with a cumulative grade-point average of 3.0; and
5. submit an application form.

Students meeting these requirements will be accepted as majors in the program. Applications for admission must be submitted before the end of the semester prior to a student taking an upper division Arts Administration course.

Students who want to be a major, but have not met one or more of the above requirements will be designated as “premajors.” There is no application procedure for students to become Arts Administration premajors. Upon their request, premajors will be assigned Arts Administration advisors and folders will be created for them.

Students in arts administration must complete the following program requirements:

College Requirements

Art, Music or Theatre
outside of AAD arts discipline ..................................... 6
plus 39 hours at 300-level or above

Subtotal: College Required Hours ......................... 6

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

NOTE: Students majoring in Arts Administration may use no more than six credit hours within the Arts Administration major requirements to fulfill UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list .......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........... 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .......................... 3

X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours .................................................. 30

Premajor Requirements

AAD 150 Introduction to Arts Administration .............. 1
AAD 200 Arts Administration Communications ............ 3
AAD 202 Graphic Design for Print and the Web ............ 3
ACC 201 Financial Accounting I ............................... 3
ECO 201 Principles of Economics I ......................... 3
CIS/WRD 111 Composition and Communication II ........... 3

Subtotal: Premajor Hours .................................... 16

Major Requirements

AAD 101 Arts Administration Professions .................... 2
(2 semesters completed satisfactorily required)
ACC 202 Managerial Uses of Accounting Information ........ 3
ECO 202 Principles of Economics II ......................... 3
AAD 302 Web Site Design and Maintenance ................. 3
*AAD 310 Marketing the Arts ................................. 3
*AAD 320 Fund Raising for the Arts .......................... 3
*AAD 340 Arts Management Issues ......................... 3
*AAD 350 Financial Management of Arts Organizations .... 3
*AAD 399 Arts Administration Practicum .................. 1
**AAD 402 Topics in Arts Administration (Subtitle required) ......................... 3
*AAD 499 Internship in Arts Administration .......... 6

Note: When appropriate, upper level courses may be substituted with the approval of the student’s advisor and the Dean of the College of Fine Arts.

Subtotal: Major Hours ..................................... 33

In addition to the Major Requirements, students must take 30 credits within the College of Fine Arts, outside of their Arts Administration courses. Within these 30 credits, students must complete a minor in one of the arts disciplines of Art, Dance, Music or Theatre. Additionally, no more than 24 credits may be in one arts discipline.

Directed Electives

Nine credits chosen in consultation with the student’s academic advisor from the following areas:

1. AAD 402 Topics in Arts Administration
   (Subtitle required) .............................................. 3
   May be repeated to a maximum of 12 credit hours when identified by different subtitles. Must be different subtitle than that used to meet Arts Administration Core Requirement.

2. Courses from the College of Business and Economics.

3. Courses from the College of Communications and Information Studies.

4. Courses from an arts discipline, such as architecture, art, dance, English, music, and theatre, outside of the student’s Fine Arts minor.

Directed electives may not be used to meet UK Core requirements.

Subtotal: Directed Electives .................................. 9

Free Electives

In addition to meeting their UK Core and major requirements, students must earn 6 credits in any area(s) of their choosing.

Subtotal: Free Electives ....................................... 6

TOTAL HOURS: ........................................... 121

Interdisciplinary Minor in the Arts

For Students outside the College
Any student whose major concentration is outside the College of Fine Arts may choose to minor in the arts, an academic program that cuts across disciplinary lines. This minor requires at least 24 hours of course work, arranged as follows:

Prerequisites (9 hours)

ART 100 Introduction to Art .................................. 3
MUS 100 Introduction to Music ............................ 3

Note: When appropriate, upper level courses may be substituted with the approval of the student’s advisor and the Dean of the College of Fine Arts.

Elected Courses (15 hours)

Of these 15 hours, students must take at least six hours in each of two different disciplines (art, music, or theatre).

Performance and/or Studio Experience

Students must have performance and/or studio experience within the college in at least one of the arts, whether or not for academic credit.

For Students within the College
Any student whose major emphasis lies within the College of Fine Arts may choose to minor in the arts by selecting at least 24 hours of course work in the College of Fine Arts (art, music, or theatre) outside the major. The minor must include at least nine hours of credit in each of the disciplines outside the major department or school. No more than six hours of course work used as “related work” for the major may be used toward the minor.
Robert J. Rabel, Ph.D., is Director of the Gaines Center for the Humanities.

The Gaines Center for the Humanities is distinctive among special programs at state universities. Designed to enrich the upper levels of undergraduate study and thereby to offer exceptional opportunities for dedicated students, the programs of the center are open on a competitive basis to any student interested in the humanities, regardless of particular major or intended profession.

Activities of the Gaines Center are developed to encourage participation by a large segment of the university population. Conferences and lectures, informal seminars and discussions are open to all those interested. While the center’s principal purpose is to enhance an appreciation of the humanities, its programs are arranged to stimulate inquiry about the relationship of the humanities to other broad areas of investigation, such as the sciences, the arts, and the professions.

The John R. and Joan B. Gaines Fellowships in the Humanities

A major feature of the Gaines Center for the Humanities is the Gaines Fellowship Program. The Gaines Fellowships are given in recognition of outstanding academic performance, demonstrated independent study, an interest in public issues, and a desire to enhance understanding of the human condition.

The fellowships are awarded in the student’s sophomore year for tenure in the junior and senior years. Renewal in the senior year is contingent upon satisfactory academic performance.

All Gaines Fellows are required to take a specially-designed, four-credit-hour seminar in the humanities (HMN 301 and HMN 302) during both semesters of the junior year. Moreover, each Fellow in the senior year completes an undergraduate thesis (HMN 497) under the supervision of three faculty members and with a credit of six to fifteen hours.

Gaines Fellows also participate in all social and cultural activities sponsored by the Gaines Center.

Eligibility

Any student enrolled at the University of Kentucky, or any student enrolled in a community college who intends to transfer to the University of Kentucky, is eligible to apply.

The Thomas D. Clark Lectureship in the Humanities

Created to bring eminent scholars and authors to the campus for an extended residency, the Thomas D. Clark Lectureship stipulates that the recipient will offer two or three public lectures to be published by the University Press of Kentucky, and will lead several sessions of a special humanities seminar related to the Lecturer’s professional field of interest. Juniors and seniors, selected on the basis of written application, participate in this seminar.

The Mary C. Bingham Seminar in the Humanities

Offered every other year and open on a competitive basis to any student in the third year of study, this seminar combines course work with a special four-week field trip either in this country or abroad (three credit hours). The seminar is concerned with the comparative study of a humanities subject that benefits from site analysis (e.g., cities, landscape). Conducted by a faculty member whose proposal has been selected in competition, the seminar offers up to a $1,000 summer travel scholarship to each student participant.

Edward T. Breathitt Undergraduate Lectureship in the Humanities

The Edward T. Breathitt Lectureship is the first undergraduate lectureship established at an American university. It is named in honor of an eminent Kentuckian and an outstanding alumnus of the University of Kentucky whose interest in higher education has been exceptional.

The lectureship is awarded to an undergraduate student whose qualities of mind and spirit have been expressed eloquently on one or more of the basic characteristics that distinguish the humanities as fields of study. They are: form, value, memory.

Any university faculty member may nominate a qualified upper level student from any discipline. Each nominee must submit a two-page prospectus describing the lecture topic (to be of the candidate’s own choice) and a brief, tentative biography, as well as a personal resume and an additional letter of recommendation. The recipient receives a special award and an honorarium.

How to Apply

Students interested in any of these special educational opportunities should write or telephone:

Gaines Center for the Humanities
232 East Maxwell Street
University of Kentucky
Lexington, KY 40506-0344
(859) 257-1537
The University of Kentucky began offering graduate work in 1870, and awarding degrees in 1876. The Graduate School was organized as a distinct unit in 1912.

The Graduate School is concerned with advanced study and research carried on by the faculty and students of all colleges and departments. Under it, the total graduate resources of the University are merged in order to promote the achievement of knowledge in an atmosphere of free and lively inquiry.

More information is available on the Web at: www.gradschool.uky.edu/.

GRADUATE DEGREES

Graduate work is offered in most colleges in the University. The following advanced degrees are conferred:

- **DOCTOR OF EDUCATION**
- **DOCTOR OF MUSICAL ARTS**
- **DOCTOR OF PHILOSOPHY**
- **DOCTOR OF SCIENCE**
- **MASTER OF ARCHITECTURE**
- **MASTER OF ARTS**
- **MASTER OF ARTS IN EDUCATION**
- **MASTER OF ARTS IN INTERIOR DESIGN, MERCHANDISING AND TEXTILES**
- **MASTER OF ARTS IN TEACHING WORLD LANGUAGES**
- **MASTER OF BUSINESS ADMINISTRATION**
- **MASTER OF CIVIL ENGINEERING**
- **MASTER OF EDUCATION**
- **MASTER OF ENGINEERING**
- **MASTER OF FINE ARTS**
- **MASTER OF HEALTH ADMINISTRATION**
- **MASTER OF HISTORIC PRESERVATION**
- **MASTER OF MINING ENGINEERING**
- **MASTER OF MUSIC**
- **MASTER OF PUBLIC ADMINISTRATION**
- **MASTER OF PUBLIC HEALTH**
- **MASTER OF PUBLIC POLICY**
- **MASTER OF REHABILITATION COUNSELING**
- **MASTER OF SCIENCE**
- **MASTER OF SCIENCE IN ACCOUNTING**
- **MASTER OF SCIENCE IN AGRICULTURE**
- **MASTER OF SCIENCE IN ATHLETIC TRAINING**
- **MASTER OF SCIENCE IN BIOENGINEERING**
- **MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING**
- **MASTER OF SCIENCE IN BIOLOGICAL SCIENCES**
- **MASTER OF SCIENCE IN BIOMEDICAL SCIENCE AND ENGINEERING**
- **MASTER OF SCIENCE IN CHEMICAL ENGINEERING**
- **MASTER OF SCIENCE IN CLINICAL PHARMACY**
- **MASTER OF SCIENCE IN COMMUNICATION DISORDERS**
- **MASTER OF SCIENCE IN COMPUTER SCIENCE**
- **MASTER OF SCIENCE IN COMPUTER ENGINEERING**
- **MASTER OF SCIENCE IN DATA SCIENCE**
- **MASTER OF SCIENCE IN ELECTRICAL ENGINEERING**
- **MASTER OF SCIENCE IN ELECTRONICS AND PHYSICAL SCIENCE**
- **MASTER OF SCIENCE IN FAMILY STUDIES**
- **MASTER OF SCIENCE IN FINE ARTS**
- **MASTER OF SCIENCE IN FORESTRY**
- **MASTER OF SCIENCE IN HUMAN DEVELOPMENT**
- **MASTER OF SCIENCE IN HUMANITIES**
- **MASTER OF SCIENCE IN INTERIOR DESIGN, MERCHANDISING AND TEXTILES**
- **MASTER OF SCIENCE IN LIBRARY SCIENCE**
- **MASTER OF SCIENCE IN MANUFACTURING SYSTEMS ENGINEERING**
- **MASTER OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING**
- **MASTER OF SCIENCE IN MECHANICAL ENGINEERING**
- **MASTER OF SCIENCE IN MINING ENGINEERING**
- **MASTER OF SCIENCE IN NURSING**
- **MASTER OF SCIENCE IN NUTRITIONAL SCIENCES**
- **MASTER OF SCIENCE IN PHYSICAL THERAPY**
- **MASTER OF SCIENCE IN PHYSICIAN ASSISTANT STUDIES**
- **MASTER OF SCIENCE IN RADIOLOGICAL MEDICAL PHYSICS**
- **MASTER OF SOCIAL WORK**
- **PROFESSIONAL MASTER OF BIOMEDICAL ENGINEERING**
- **SPECIALIST IN EDUCATION**

The degree of Doctor of Philosophy is offered with major work in the following fields: agricultural economics, anatomy and neurobiology, animal sciences, anthropology, biology, biomedical engineering, biosystems and agricultural engineering, business administration, chemical engineering, chemistry, civil engineering, communication, computer science, crop science, economics, educational and counseling psychology, electrical engineering, English, entomology, family studies, geography, geology, gerontology, studies in higher education, history, materials science and engineering, mathematics, mechanical engineering, microbiology, mining engineering, molecular and biomedical pharmacology, molecular and cellular biochemistry, music, nursing, nutritional sciences, pharmaceutical sciences, philosophy, physics and astronomy, physiology, plant pathology, plant physiology, political science, psychology, public administration, rehabilitation sciences, social work, sociology, soil science, Spanish, statistics, toxicology, and veterinary science.

Multidisciplinary Graduate Degree Programs

There are three multidisciplinary graduate degree programs administered in the Graduate School: Biomedical Engineering, Diplomacy and International Commerce, and Public Administration. Students interested in information on these programs should contact the program directors at the addresses listed below.

**Dr. David Puleo, Director**
**Biomedical Engineering**
**207 Rose Street**
**University of Kentucky**
**Lexington, KY 40506-0070**

Carey Cavanaugh, Ambassador (ret.)
The Patterson School of Diplomacy and International Commerce
455 Patterson Office Tower
University of Kentucky
Lexington, KY 40506-0027

Dr. William Hoyt, Director
James W. Martin School of Public Policy and Administration
Public Administration/Health Administration
423 Patterson Office Tower
University of Kentucky
Lexington, KY 40506-0027

**ORGANIZATION OF THE GRADUATE SCHOOL**

The Graduate Faculty consists of the Dean of the Graduate School and all persons appointed thereto by the President of the University. As the chief University agency for the promotion of the ideals of graduate study, it determines the policies of the Graduate School and makes recommendations to the University Senate on such matters as require the approval of that body. All rules affecting graduate work and the inauguration of new graduate programs must be approved by the Graduate Faculty.

The Dean. The Dean of the Graduate School is charged with the administration of the policies adopted by the Graduate Faculty and the University Senate relating to graduate studies.

The Graduate Council is composed of 18 members and the Dean of the Graduate School, who serves as chair. There are 16 faculty representatives and two student representatives. Associate deans serve in a nonvoting, ex officio capacity.

The Graduate Council approves or disapproves proposals concerning courses offered for graduate credit, and advises and lends assistance to the Dean of the Graduate School in his execution of policies and regulations determined by the Graduate Faculty.

**Directors of Graduate Studies.** A Director of Graduate Studies is appointed for each program of graduate study. Among other duties, each director serves as advisor to students majoring in his or her area.
ADMISSION

Students seeking admission to a degree program in the Graduate School must hold a baccalaureate degree from a fully accredited institution of higher learning. An overall undergraduate grade-point average of 2.75 and 3.0 on all graduate work is required by the Graduate School. Individual departments may require higher grade-point averages.

All applicants for admission to degree programs in the Graduate School must submit official scores on the verbal, quantitative and analytical writing portions of the Graduate Record Examination, except programs with approved alternate requirements (Accounting, Business Administration, Health Administration, and Public Health may substitute the GMAT).

New students applying for admission must have official transcripts sent directly to the Graduate School by each institution of higher learning previously attended. A second set of transcripts should be sent to the applicant’s program of interest.

International applicants must meet the requirements listed above, as well as the English proficiency requirement; additional details are available in The Graduate School Bulletin.

Domestic applicants (U.S. citizens or resident aliens) must pay a $50 application fee; for international applicants, the fee is $65. The preferred method of payment is by credit card. Go to www.research.uky.edu/gs/gsprocedure_onlinapp.html and click on “Pay the Application Fee.” If necessary, you may pay by check or money order made payable to The University of Kentucky. The mailing address is:

The Graduate School
Office of Admissions
The Gillis Building
University of Kentucky
Lexington, KY 40506-0033

Complete applications must be submitted no later than one month before the beginning of the term the applicant intends to begin graduate work (five months for international applicants). Students should refer to the Undergraduate Calendar in the front of this Bulletin for important dates.

University Scholars Program (Combined Doctoral or Master’s/Bachelor’s Degree Program)

At the University of Kentucky there are some particularly gifted and highly motivated students whose well-defined academic and career plans include graduate study. The University Scholars program offers these students the opportunity and the challenge of integrating their undergraduate and graduate courses of study in a single continuous program culminating in both a baccalaureate and doctoral or master’s degree.

Requirements for this program are listed in the Special Academic Programs section of this Bulletin.

Graduating Seniors as Part-Time Graduate Students

A senior at the University of Kentucky lacking no more than six credit hours for graduation and having an undergraduate grade-point average of at least 2.75 on all work attempted may register in a degree program in the Graduate School with the consent of his or her college dean, the Director of Graduate Studies, and the Dean of the Graduate School.

The total load of such a student may not exceed 12 credit hours. Graduate credit will be allowed for each credit hour of graduate work beyond the six or fewer credit hours needed to complete undergraduate requirements. Requirements for the undergraduate degree must be completed during the semester in which the student is allowed to register for part-time graduate work. A student applying for admission to the Graduate School under these conditions must fill out a petition form listing the course or courses to be taken in order to complete the undergraduate requirements. Petition forms are available in the Graduate School.

Conditional Admission

Students wishing to pursue a higher degree who are temporarily ineligible for regular graduate admission status may be recommended by the Director of Graduate Studies for conditional admission status for a maximum of one full-time semester. Students should refer to The Graduate School Bulletin for further information.

Post-Baccalaureate Graduate Students (Nondegree-Seeking Students)

Students who hold a baccalaureate degree and who wish to pursue graduate study without a degree objective may apply for admission as post-baccalaureate graduate students. An overall undergraduate grade-point average of 2.5 or better and 3.0 on all previous graduate work is required by the Graduate School for admission to post-baccalaureate status. Refer to The Graduate School Bulletin for further information.

Advanced Degrees for Faculty Members

Members of the faculty, except those in the Community College System, having a rank higher than that of instructor may not be considered as candidates for degrees in the discipline in which they are employed and hold academic rank.

DUAL DEGREE PROGRAMS

The University of Kentucky offers a number of dual degree programs; such programs require separate admission to each discipline involved. Dual degree programs currently in place are: J.D./M.B.A., J.D./M.P.A., M.D./M.B.A., M.D./M.P.H., Pharm.D./M.B.A., Pharm.D./M.P.A., Pharm.D./M.S. in Economics, B.S. in Engineering/M.B.A., and B.S. in Engineering/M.P.A. Combined study leading to both the M.D. and Ph.D. is also available. For more information on the dual degree programs, see The Graduate School Bulletin.

JOINT AND COOPERATIVE DOCTORAL PROGRAMS

Cooperative doctoral programs in education are offered between the University of Kentucky and other state universities: Eastern Kentucky University, Morehead State University, Murray State University, and Western Kentucky University. These programs permit qualified candidates to complete approximately one year of graduate work above the master’s degree at the cooperating university, and the work of each candidate is directed by a joint faculty committee from both institutions.

Cooperative doctoral programs in musicology, physics, and higher education are offered between the University of Kentucky and the University of Louisville; a cooperative program in geology between the University of Kentucky and Eastern Kentucky University; and a cooperative program in history between the University of Kentucky and Western Kentucky University. A cooperative doctoral program in rehabilitation sciences is offered between the University of Kentucky, Eastern Kentucky University, Murray State University, and Western Kentucky University. The University of Kentucky and the University of Louisville share a joint Ph.D. program in Social Work.

For more information on joint and cooperative programs, see The Graduate School Bulletin.

INDEPENDENT STUDY PROGRAMS

(Correspondence Courses)

No graduate credit is given for courses taken by correspondence.

REGISTRATION AND CLASSIFICATION

All students expecting graduate credit must be enrolled in the Graduate School. Graduate students will conform to the general registration schedule of the University and may not enter later than the last allowable date set by the University Registrar.

Before registering, a graduate student must obtain his or her advisor’s approval of the proposed program.

ASSISTANTSHIPS, FELLOWSHIPS, STUDENT SUPPORT

Financial assistance is available in the form of assistantships and fellowships. An assistantship is an appointment to specified teaching or research duties. A fellowship is a non-service award made to superior students to assist in the pursuit of an advanced degree.
Assistantships

More than 1,500 teaching and research assistantships are available from departments and other units of the University. In addition to an assistantship stipend, full or partial tuition scholarships are available for most assistantship holders based on the number of hours per week in the assistantship. University-provided health insurance is offered for full-time assistants who meet the eligibility criteria.

The majority of assistantships are awarded for the academic year. Students interested in an assistantship should notify the appropriate Director of Graduate Studies by January for the next academic year; later applicants have a reduced chance of obtaining an assistantship. Most assistantship decisions are made by April for the coming academic year.

Notification of an assistantship comes from the program. Contact the Director of Graduate Studies in the program you seek to enter regarding the availability of positions or the status of assistantship offers. For more information on assistantships, visit the Web at: www.gradschool.uky.edu/fellowship/assistantships.html.

Fellowships

Non-service fellowships are available in all areas of graduate work. The majority of these fellowships include a stipend as well as a tuition scholarship and university-provided student health insurance. While many fellowships are formally awarded by the Graduate School, nominations for most fellowships are made by the program in which a student seeks to enroll.

Fellowships are awarded for the academic year. Departments make fellowship nominations by February for the next academic year, so students interested in a fellowship are strongly urged to contact the appropriate Director of Graduate Studies no later than January 15 for the next academic year. Notification of fellowship awards generally comes from the Graduate School before April 15.

Awards are sometimes offered before an applicant is officially admitted to the Graduate School; all awards offered are contingent upon admission to the program of study nominating the student. Post-baccalaureate (nondegree) students are not eligible for fellowship consideration, or for those tuition scholarships that accompany most assistantships.

For more information on fellowships, visit: www.gradschool.uky.edu/Fellowship/Fellowships.html.

Student Support

Funds are available to students enrolled in graduate programs for travel to present research at professional meetings. Application materials are available on the Web at: www.gradschool.uky.edu/fellowship/supportfunding.html.
The College of Health Sciences is one of the six health professions colleges which, with the University Hospital, constitute the health science campus of the University of Kentucky.

The College of Health Sciences is composed of the Department of Clinical Sciences and the Department of Rehabilitation Sciences.

Today health science professionals are assuming greatly expanded and increasingly complex duties and responsibilities as essential members of the health care team. They work in a variety of delivery settings and have key responsibilities for the care and health of patients, clients, and communities. The UK College of Health Sciences, established in 1966, was among the first colleges to offer programs for students interested in these rapidly developing health professions. The college strives continually to revise its offerings in keeping with society’s evolving expectations and health care needs.

Undergraduate Programs in Health Sciences
The University of Kentucky grants the following degree in the College of Health Sciences:

- Bachelor of Health Sciences

Students pursuing the Bachelor of Health Sciences may select from these majors: medical laboratory science, clinical leadership and management, and communication disorders.

ADMISSIONS PROCEDURES

Baccalaureate Programs
Baccalaureate programs in the College of Health Sciences are divided into preprofessional and professional programs. A preprofessional program is comprised of courses prerequisite to professional program content as well as UK Core requirements. Freshman and transfer students who have initially not completed prerequisites for entrance into a professional program complete only the first step of the application process – application to the University of Kentucky. Freshman applicants to the college will be admitted if they meet University entrance requirements.

A professional program is comprised of all courses and clinical experiences required for students who have applied for and have been accepted into professional programs. Consideration for admission to the college’s professional programs requires completion of prerequisite course work and completion of the professional application procedure.

Therefore, the admissions procedure for all undergraduate programs within the College of Health Sciences is a two-step process. Applicants must first be accepted by the University of Kentucky and second must apply for admission to a professional program approximately two semesters prior to completing prerequisites.

This selection procedure is necessary because of the limited space in the professional years of the health sciences programs.

Requirements for the first several years (preprofessional program) may be completed at the University of Kentucky, a community college, or another fully accredited college or university.

At the time of application to the professional program, the student should have completed the prerequisites required for application to the program he or she plans to enter, and have plans to complete all prerequisites before actual enrollment in the professional program as directed by each program.

It is essential that complete, accurate information be furnished on the application. Individuals seeking entry into the professional programs or those admitted to the programs through falsified or misleading information may be dropped from consideration or dismissed from the programs.

Persons not enrolled at the University of Kentucky must complete applications to both the University of Kentucky and the professional program. Application materials are available from:
- Medical Laboratory Science
  www.mc.uky.edu/clsm/
- Clinical Leadership and Management
  www.mc.uky.edu/clm/
- Communication Disorders
  www.mc.uky.edu/commdisorders/

Deadlines and specific application instructions are listed for each program in the descriptions which follow. Additional information for each program is available on their respective Web sites.

Graduate Programs
Students who want to earn advanced degrees in health sciences fields must be admitted to the University of Kentucky Graduate School. For complete information, students should refer to The Graduate School Bulletin or contact:

Graduate School Admissions
201 Gillis Building
University of Kentucky
Lexington, KY 40506-0033
(859) 257-4613
fax: (859) 323-5986
www.research.uky.edu/gs/

The College of Health Sciences offers graduate programs in the following areas: athletic training, clinical nutrition, communication sciences and disorders, health physics, physical therapy, phy-

APPLICATION DEADLINES FOR UNDERGRADUATE PROGRAMS IN HEALTH SCIENCES

Professional Program Applicants (Students who have completed prerequisites at UK, community colleges, or other accredited colleges or universities)

Applications are available on the program Web site (see below):

<table>
<thead>
<tr>
<th>Program</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Medical Laboratory Science</td>
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<tr>
<td><a href="http://www.mc.uky.edu/cls/">www.mc.uky.edu/cls/</a></td>
<td></td>
<td></td>
<td>March 1</td>
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<tr>
<td>Clinical Leadership and Management</td>
<td>Aug. 1</td>
<td>Dec. 1</td>
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<tr>
<td><a href="http://www.mc.uky.edu/clm/">www.mc.uky.edu/clm/</a></td>
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<tr>
<td>Communication Disorders</td>
<td>Feb. 1</td>
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<tr>
<td><a href="http://www.mc.uky.edu/commdisorders/">www.mc.uky.edu/commdisorders/</a></td>
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University of Kentucky
Admission to the Professional Program
The MLS program has selective admissions and students are admitted to the professional program on a competitive basis. Applicants must have completed all UK Core requirements and preprofessional requirements prior to entering the program. Admission is based on cumulative grade-point average (GPA) for all courses taken at institutions of higher education (2.75 or higher on a 4.0 scale), cumulative GPA for preprofessional courses, and recommendation scores. Interviews may also be used in the admissions process. Applicants must submit an application and three recommendation forms.

The application deadline is March 1.

The Curriculum
A total of 120 credits (including 60 professional program credits, preprofessional credits, and UK Core and graduation writing course credits) is required to receive the Bachelor of Health Sciences with a major in MLS degree.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology ................................. 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I .............................. 3
CHE 111 Laboratory to Accompany General Chemistry I .............................. 1

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ................ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ................ 3

VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications ......... ....... 3

VIII. Statistical Inference in Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

General Education Hours ............................... 30-32

UK Graduation Requirement
Students should work closely with their advisor to fulfill the Graduation Writing Requirement.

Preprofessional Course Requirements

CHE 107 General College Chemistry II ......................... 3
CHE 113 Laboratory to Accompany General Chemistry II ......................... 2
BIO 208 Principles of Microbiology ............................. 3
BIO 209 Principles of Microbiology Laboratory ................ 2
PGY 206 Elementary Physiology ................................. 3
BIO 148 Introductory Biology I ................................. 3
BIO 152 Principles of Biology II ................................. 3
BIO 155 Laboratory for Introductory Biology I .................. 1
CHE 230 Organic Chemistry I ................................. 3
CHE 231 Organic Chemistry Laboratory I ........................ 2
STA 291 Statistical Methods ................................. 3

Subtotal: Premajor Course Hours .................. 25

Professional Course Requirements

MLS 400 Laboratory Techniques and Phlebotomy ............ 3
MLS 410 Medical Laboratory Biochemistry .................. 3
MLS 420 Clinical Immunology and Serology ................. 3
MLS 430 Clinical Mycology, Parasitology, and Virology ................................. 3
MLS 440 Molecular Techniques ................................. 3
MLS 450 MLS Education and Management .................. 3
MLS 460 Clinical Hematology ................................. 3
MLS 465 Clinical Hematology Laboratory .................... 2
MLS 461 Clinical Microbiology ................................. 3
MLS 466 Clinical Microbiology Laboratory .................... 2
MLS 462 Clinical Chemistry ................................. 3
MLS 467 Clinical Chemistry Laboratory .................... 2
MLS 463 Immunohematology ................................. 3
MLS 468 Immunohematology Laboratory .................... 2
MLS 464 Body Fluids and Hemostasis ......................... 2
MLS 469 Body Fluids and Hemostasis Laboratory ............ 2
MLS 470 Clinical Correlations ................................. 4
MLS 481 Clinical Microbiology Practicum .................... 4
MLS 482 Clinical Chemistry Practicum .................... 4
MLS 483 Immunohematology Practicum .................... 4

Subtotal: Professional Course Hours ............ 60

In addition, students holding baccalaureate degrees in a health-related science may apply to the MLS program (fulfillment of preprofessional courses is required) and earn a second baccalaureate degree. Upon successful completion of the professional program, all students are eligible for the national certifying exam.

For additional information, refer to: http://bit.ly/ukcls.

Or contact:
Michelle Butina, Ph.D., MLS (ASCP)
MLS Program Director
900 S. Limestone Street
124D CTW Building
Lexington, KY 40536-0200
(859) 218-0852
michel1.ebutina@uky.edu
Graduate Degrees in Clinical Sciences

The Clinical Sciences graduate programs offer a unique multidisciplinary masters and doctorate programs that address the rapidly changing health care environment and selected evolving clinical science disciplines. This program of study provides the opportunity for advanced education and career enhancement for health professionals in the clinical sciences. The master’s degree provides a foundation in advanced clinical laboratory sciences. Students may specialize in Reproductive Sciences.

For additional information, refer to: www.mc.uky.edu/clm/. Or contact:

Chemyong (Jay) Ko, Ph.D.
900 S. Limestone Street
126B CTW Building
Lexington, KY 40536-0200
(859) 323-1100 ext. 8-0846
cko2@uky.edu

B.H.S. with a major in CLINICAL LEADERSHIP AND MANAGEMENT

Graduates of the Clinical Leadership and Management program earn a Bachelor of Health Sciences (B.H.S.) degree. The purpose of the program is to provide health care professionals with formal academic education and skills training needed to prepare them for leadership and management roles and responsibilities. The program offers a career ladder for professional advancement in the health sciences. Program graduates will be prepared to assume greater responsibilities at their current jobs, be better qualified for job promotions, and be positioned for graduate studies.

This program is intended for health care professionals who have an associate degree in a health-related discipline.

Historically, there have been limited educational options for associate degree trained health professionals who are interested in pursuing a baccalaureate degree in Kentucky. This degree completion program accommodates transfer students for many allied health disciplines including, but not limited to: radiological technology, respiratory therapy, dental hygiene, clinical laboratory technicians, and nursing. The program provides accessible course offerings for non-traditional students who may require evening and part-time classes. It is anticipated that graduates of the B.H.S. program in Clinical Leadership and Management will benefit from advanced knowledge and skills which will enhance their job/career, work environment and quality of life. Program graduates may also benefit their employers, health care facility, and patients.

For additional information, go to: www.mc.uky.edu/clm/.

Application Process and Requirements

The admissions process begins with an application to the University of Kentucky by December 1 for spring enrollment and August 1 for fall enrollment. Application must also be made directly to the CLM program. The CLM program uses rolling admissions once applicants are accepted by the University as a degree seeking student. Criteria for admission to the program includes an Associate Degree with a minimum 2.0 GPA.

Academic advising and information about admissions is available from:

Corrie Scott
Office of Student Affairs
College of Health Sciences
University of Kentucky
111 Charles T. Wethington Building
Lexington, KY 40536-0200
cyscott1@uky.edu

All transfer credits to meet CLM program core courses and electives must receive prior approval by the CLM Program Director. For additional information about program content, e-mail: elizabethschulman@uky.edu.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............................. 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................. 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................. 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations
Choose one course from approved list ............................. 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................. 3

X. Global Dynamics
Choose one course from approved list ............................. 3

UK Core Hours .......................................................... 30

The Curriculum

A total of 120 credits (including 39 program credits as listed below, UK Core and graduation requirements) are required to receive the Bachelor of Health Sciences degree from the University of Kentucky. The core curriculum of 39 credits includes:

CLM 241 Health and Medical Care Delivery Systems ... 3
CLM 405 Epidemiology and Biostatistics ..................... 3
CLM 350 Health Policy and Politics ......................... 3
CLM 551 Health Services Administration ..................... 3
CLM 354 Health Law .................................................. 3
CLM 355 Financial Management of Health Care Institutions .................................................. 3
CLM 452 Community and Institutional Planning for Health Services Delivery ............................. 3
CLM 840 Ethics in Health Practice ............................. 2
CLM 444 Leadership and Human Resource Management .................................................. 3
CLM 445 Quality and Productivity Improvement and Evaluation ............................. 3
*CLM 595 Directed Studies ........................................... 4
Upper Division Electives ............................................... 6
*Capstone Project

For More Information

For additional information, visit: www.mc.uky.edu/clm/.

DEPARTMENT OF REHABILITATION SCIENCES

B.H.S. with a major in COMMUNICATION DISORDERS

In keeping with the standards of the American Speech-Language-Hearing Association, the undergraduate program in communication disorders is considered to be a preprofessional degree program. In order to meet Kentucky licensure and American Speech-Language-Hearing Association certification requirements, it is necessary to complete the master’s degree. Students pursuing this program should plan on six years to complete both the Bachelor of Health Science and Master of Science programs.

Admission to the Professional Program

The Communication Disorders program has selective admissions. Applicants must have completed a minimum of 42 credit hours at the time of application. Students are admitted to the professional program on a competitive basis. Admission is based on cumulative grade-point average, ACT or SAT scores, and relevant experiences. Applicants must submit a letter of application and three references. New students are admitted only for the fall semester. The application deadline is February 1.
UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology ............................ 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
BIO 102 Human Ecology
or
BIO 103 Basic Ideas of Biology
or
CHE 101 Molecular Science for Engineers ..................... 3
or
CHE 105 General College Chemistry
CHE 111 Laboratory to Accompany General Chemistry I .................................................. 4

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
one of the following:
MA 111 Introduction to Contemporary Mathematics
MA 113 Calculus I
MA 123 Elementary Calculus and its Applications
MA 137 Calculus I With Life Science Applications ............. 3-4

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning ..................... 3
or
PSY 215 Experimental Psychology
and
PSY 216 Applications of Statistics
in Psychology ......................................................... 8
or
other STA course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Recommended:
EPE 301 Education in American Culture .................... 3

X. Global Dynamics
Choose one course from approved list ....................... 3

UK Core Hours ................................................. minimum of 31

Premajor Requirements Hours
PSY 100 Introduction to Psychology ......................... 4
plus completion of 42 credit hours or more at time of application
Subtotal: Premajor Hours ................................ minimum of 46

Related Studies Requirement Hours
Choose one of the following:
LIN 211 Introduction to Linguistics I
LIN 212 Introduction to Linguistics II
LIN 310 American English
LIN 317 Language and Society (Subtitle required)
LIN 319 Historical Linguistics
LIN 509 Semantics and Pragmatics

Subtotal: Related Studies Hours .............................. 3

Major Requirements Hours
CD 277 Introduction to Communication Disorders .......... 3
CD 285 Applied Phonetics ........................................ 3
CD 378 Anatomy and Physiology of Speech ................ 3
CD 402 Speech and Hearing Science ........................ 3
CD 410 Language Development Through the Lifespan ....... 3
CD 420 Audiology .................................................... 3
CD 481 Clinical Experience in Communication Disorders ... 3
CD 482 Clinical Management of Communication Disorders I ................. 3
CD 483 Clinical Management of Communication Disorders II ................. 3
CD 484 Introduction to Diagnostic Procedures
in Speech-Language Pathology ................................ 3
CD 571 Neural Bases of Speech, Language, and Hearing ......... 3
CD 591 Aural Rehabilitation ........................................ 3
EDS 375 Introduction to Education of Exceptional Children .... 3
EDS 516 Principles of Behavior Management and Instruction .... 3
*EDP 202 Human Development and Learning ................ 3
*EPE 301 Education in American Culture .................... 3
*These courses are optional, required for school certification.

Subtotal: Major Hours .............................................. 42

Electives
CD 520 Introduction to Manual Communication ............ 2
Electives should be chosen by the student to lead to the minimum total of 120 hours required for graduation.
TOTAL HOURS: .................................................. 120

Curriculum

Fall Semester
*CD 277 Introduction to Communication Disorders .......... 3
CD 285 Applied Phonetics ........................................ 3
CD 378 Anatomy and Physiology of Speech ................ 3

Spring Semester
CD 402 Speech and Hearing Science ........................ 3
CD 410 Language Development Through the Lifespan ....... 3
CD 484 Introduction to Diagnostic Procedures
in Speech-Language Pathology ................................ 3

Senior Year
CD 420 Audiology .................................................... 3
**CD 481 Clinical Experience in
Communication Disorders ......................................... 3
CD 482 Clinical Management of
Communication Disorders I ........................................ 3
CD 571 Neural Bases of Speech, Language, and Hearing ......... 3

Subtotal: Fall Semester Hours ................................. 3
Subtotal: Spring Semester Hours ............................... 3
Subtotal: Senior Year Hours ................................. 3

Subtotal: Total Hours .............................................. 3

Spring Semester

*CD 481 Clinical Experience in
Communication Disorders ......................................... 3
CD 483 Clinical Management of
Communication Disorders II ..................................... 3
CD 591 Aural Rehabilitation ........................................ 3

*May be taken as a pre-Communication Disorders course prior to the junior year.

**Half of senior students take CD 481 during fall semester; the remaining half take course during spring semester.

Certification and the Master’s Degree

The Master of Science degree program in Communication Disorders is accredited by the Council on Academic Accreditation in Audiology and Speech Language Pathology.

Upon completion of the undergraduate degree and with admission to the master’s program, students complete the following courses for certification and the master’s degree.

Course Requirements Hours
CD 621 Alternative and Augmentative Communication .... 3
CD 647 Language Disorders in Developmentally Young Individuals ........ 3
CD 648 Language Disorders in School-Age Populations ......... 3
CD 661 Phonological Development and Disorders .......... 3
CD 670 Voice Disorders ............................................ 3
CD 674 Disorders of Fluency ..................................... 3
CD 677 Aphasia and Related Disorders ......................... 3
CD 701 Research Methods in Communication Disorders .......... 3
CD 710 Cognitive Communication Disorders .......... 3
CD 744 Adult Swallowing and Motor Speech Disorders ........ 3
CD 745 Pediatric Feeding and Motor Speech Disorders .......... 3

Total Credit Hours .................................................. 30

The M.S. in Communication Disorders consists of 30 didactic hours plus optional thesis or comprehensive examinations.

ASHA Certification

Applicants wishing to meet American Speech-Language-Hearing Association certification requirements must also complete the following additional clinical orientation, clinical practicum and clinical rotation experiences plus 2 hours of graduate-level electives, and optional 1-6 hours in thesis or comprehensive exams:

CD 654 Clinical Orientation in Communication Disorders .......... 3
CD 657 Clinical Practicum in Speech-Language Pathology .......... 6
CD 659 Clinical Rotation in Speech-Language Pathology .......... 21-30

Students completing the thesis option also complete the following:
CD 748 Master’s Thesis Research ................................ 0
CD 768 Residence Credit for the Master’s Degree ............ 1-6

Physical Therapy – Doctor of Physical Therapy

The Physical Therapy Program at the University of Kentucky offers the professional (entry level) Doctor of Physical Therapy (DPT) degree. The program is conducted at the Lexington campus and at the Center for Excellence in Rural Health campus in Hazard, Kentucky. Once accepted, the PT Program requires three successful years to completion (121 course credits) and results in the awarding of the DPT.
The PT Program has selective admissions. To be eligible for application, the student must complete a bachelor’s degree prior to the start of the PT program, or complete (by no later than the end of the spring semester of application) the junior year requirements in a declared major and meet the University of Kentucky’s University Scholars Program criteria which include:

- Ninety semester hours working toward a degree;
- An overall GPA of ≥ 3.2;
- A science GPA and major course GPA of ≥ 3.5;
- A combined verbal and quantitative GRE score of 1000 is recommended by the Physical Therapy Division.

For additional requirements for application, including the application form, go to: www.mc.uky.edu/PT/

For more information about the Physical Therapy Program at the Lexington campus, contact:

Physical Therapy Program
900 South Limestone Street
Room 204
University of Kentucky
Lexington, KY 40536-0200
(859) 218-0494
www.mc.uky.edu/PT/

The Center for Excellence in Rural Health, Doctor of Physical Therapy

In 1992, the College of Health Sciences initiated an expansion program in physical therapy based at the Center for Excellence in Rural Health in Hazard, Kentucky. This professional program is conducted in parallel with the Lexington campus program.

For more information about the Physical Therapy program at the Hazard location, contact:

Pamela Bates, M.S.W.
Student Services Coordinator
UK Center for Excellence in Rural Health
Office B 480
750 Morton Blvd.
Hazard, KY 41701
(606) 439-3557 ext. 8-3508
1-800-851-7512 ext. 8-3508
psbank0@email.uky.edu

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**GRADUATE DEGREES IN HEALTH SCIENCES**

**Master of Science in Athletic Training**

The Master of Science in Athletic Training (AT) is designed to accommodate both NATA certified athletic trainers and NATA “certification eligible” athletic trainers. Course work and clinical experiences are designed to develop skills necessary to conduct research and increase proficiency in sports injury prevention, treatment, and rehabilitation. It is a goal that graduates become: critical consumers of research and accepted clinical practices, advanced health care providers, and leaders in the clinical, educational, and research endeavors of the profession.

For more information, contact:

Carl Mattacola, Ph.D., ATC, Director
Division of Athletic Training
900 S. Limestone St., Room 206
210E CTW Building
University of Kentucky
Lexington, KY 40536-0200
(859) 323-1100 ext. 8-0860
e-mail: carlmat@uky.edu
www.mc.uky.edu/Athletic_training

Graduate Certificate in Reproductive Laboratory Science

The College offers a Graduate Certificate in Reproductive Laboratory Science. For more information, contact:

Doris J. Baker, Ph.D., Director
Reproductive Laboratory Sciences
900 S. Limestone St., Room 126E
University of Kentucky
Lexington, KY 40536-0200
(859) 323-1100 ext. 8-0854
e-mail: dbake0@uky.edu
www.mc.uky.edu/cls/rls/certificate.html

**Master of Science in Communication Disorders**

The Master of Science in Communication Disorders is designed for students seeking entry-level professional preparation in speech-language pathology. Any student without an undergraduate major or equivalent in Communication Disorders should apply as a prerequisite student to complete the prerequisite course work. The curriculum incorporates course work and intensive clinical practicum experiences designed to prepare students to meet state licensure and national certification requirements. For further information, contact:

Director of Graduate Studies
Division of Communication Disorders
900 S. Limestone St., Room 120
University of Kentucky
Lexington, KY 40536-0200
(859) 323-1100 ext. 8-0557

**Master of Science in Physician Assistant Studies**

**Criteria for Admission**

All applicants must have taken the Graduate Record Examination (GRE) within the last five years. Official scores of the verbal, quantitative and analytical portions of the GRE must be submitted with application.

All applicants must hold a baccalaureate degree with a minimum GPA of 3.0 from an accredited college or university. Applicants must have earned a C grade or better in the following prerequisite courses:

**Prerequisite Courses**

- 1 semester of general chemistry with laboratory
- 1 semester of organic chemistry with laboratory
- 1 semester of general psychology
- 1 semester of developmental psychology
- 1 semester of biology/zoology with laboratory
- 1 semester of microbiology (lab recommended)
- 1 semester of sociology/anthropology
- 1 semester of human anatomy
- 1 semester of human physiology
- 1 semester of medical terminology

**Letters of Recommendation**

Three (3) letters of recommendation (from academic and/or health care professionals) must be submitted from persons familiar with the applicant (for at least one year) and his/her professional goals.

**Commitment**

Applicants must demonstrate an understanding of and commitment to the role and responsibilities of a physician assistant.
Admission Essays

Applicants must submit an Admissions Essay according to the directions of the application for admission. The writing sample must be of graduate level quality and reflect the applicant’s commitment to primary care.

Basic Life Support

Proof of current American Heart Association certification of basic life support must be submitted at the time of interview and certification must be maintained throughout the program.

Technical Standards

All applicants must comply with the Technical Standards of the Physician Assistant Studies Program as established by the College of Health Sciences.

Interview

Competitive applicants who have complete files and who meet the minimum entrance requirements as set forth above may be granted an interview.

Health Care Experience

Health care experience is preferred, but not required.

For further information, contact:

Corrie Scott
Academic Advisor
(859) 323-1100 ext. 80546
cyscot1@uky.edu

Physician Assistant Program – Morehead, Kentucky

The College of Health Sciences offers an extension of the UK Physician Assistant Studies Program in Morehead, Kentucky. The requirements for admission are the same as in the curriculum. The purpose of the Morehead site is to enhance access to medical care for the people in rural areas of Eastern Kentucky and Appalachia, with most of the students there coming from surrounding counties. For information on eligibility requirements and applications, please contact:

Staci Mynhier
Student Affairs Officer
Physician Assistant Program
Reed Hall 430
Box 1340
Morehead, KY 40351-1689
(606) 783-2636

Master of Science in Radiological Medical Physics

This program option trains professionals involved with the application of ionizing and nonionizing radiation to the diagnosis and treatment of disease. Such individuals plan radiation treatments for cancer patients, measure output from radiation sources, calibrate and evaluate instrumentation, design radiation facilities, and control medical radiation hazards.

For further information about this program option, contact:

Janelle Molloy, Ph.D.
Division of Radiation Sciences
900 S. Limestone St., Room 208
University of Kentucky
Lexington, KY 40536-0200
(859) 257-7612
e-mail:jmo222@email.uky.edu
The Honors Program at UK serves an important function in the University’s commitment to excellence in undergraduate education. Through its special curriculum and related academic activities, the Program provides an unusual course of instruction for outstanding, highly motivated students.

Selection of Honors Students

Because the Honors Program seeks students of demonstrated high academic promise, admission to Honors is competitive. A student must complete the application form for the Honors Program. Entering students ideally have an outstanding high school grade-point average (3.75 unweighted GPA or better, as demonstrated by transcript of through at least the first half of senior year) and a documented composite score of 29 or above on the ACT or 1290 or above on the SAT. The Admissions Committee considers all aspects of an applicant’s record; a student’s test scores and GPA are only two of the factors considered. The Admissions Committee also considers the academic rigor of high school courses the applicant has taken. In addition, the Admissions Committee places great weight on the strength of the application essays, as well as the evidence they provide of motivation to accept the challenges of Honors and contribute to the program.

Students whose academic performance may vary (high GPA and lower test scores, for example) or who have talents and motivation that are not reflected in standardized testing procedures are invited to make their best case for admission to the Honors Program and to solicit recommendations from supportive teachers or supervisors.

Upper-division students at UK or transfer students with one semester or more of academic study at a college or university may apply to the Honors Program. They submit a copy of their college transcripts along with the materials requested of first-year students. All applicants must demonstrate strong academic performance at the college level (3.0 GPA or better).

The Honors Curriculum

The Honors curriculum is designed to acquaint students with major ideas and intellectual developments which have shaped the world around them. The current two multi-disciplinary tracks allow students the opportunity to intellectually explore everything from Plato’s Republic to the problem of hunger to the ethical issues raised by the use of nanotechnology to the nature of violence. However, in the coming year, the Honors Program will begin to phase in a new, more inquiry-based, interdisciplinary curriculum as it implements the University’s new Gen Ed requirements for undergraduates.

The colloquia are taught as interdisciplinary, small-format seminars. Faculty emphasize class discussion, special projects, and regular writing (free-writing, quizzes, essays, exams, and journals) to develop students’ critical thinking and communication skills, as well as encourage participatory learning styles.

Honors students are expected to maintain good academic standing to continue in the program; normally this is a cumulative GPA of 3.0 or better. In circumstances when academic performance drops below this level, the Academic Coordinator of the Honors Program will consult with the student to determine whether and by what means the student may restore performance to an acceptable level and may institute a period of probation and review.

During the junior or senior years students complete an independent project – a work of research or artistic expression, in collaboration with a faculty scholar/researcher – affording them the chance to identify a challenging topic, as well as to design, carry out, and present their individual work. Upperclass students may also enroll in a highly specialized colloquium called a proseminar or participate in special Honors travel-abroad courses, which are taught by award-winning UK faculty in a variety of disciplines.

UK Core Requirements

The Honors colloquia offer a special means of meeting the composition and communication requirements, as well as additional UK Core requirements, depending on which courses students complete.

Graduating with Honors in the Program

To graduate with a Certificate of Honors in the Honors Program and have this designation on the final UK transcript and diploma, students must complete fifteen credit hours of Honors courses, completing one of the tracks and, as needed, one or two upper-division courses from HON 301, 395, 398, a department or college honors track, the Gaines Program, the Undergraduate Research Program or another independent research project or independent study. Students must also maintain a cumulative GPA of 3.0 or better.

Special Opportunities

Students in the Honors Program have many opportunities, both in and out of the classroom, to develop and demonstrate academic excellence.

The small class size and method of instruction in the colloquia foster active learning. Informal conferences, special speakers, trips, and workshops allow students to explore topics and issues not regularly considered within University departmental offerings.

Students in the program may elect to live in Patterson Hall, a study and community oriented, co-ed Honors residence hall equipped with seminar rooms and library.

Other social, service, and cultural activities organized by and for Honors students include the Honors Program Student Advisory Council or HPSC (social and service activities), and JAR, the campus literary magazine published by Honors Program students. Students may also participate in the Journal Project, for which they keep a journal during their undergraduate career, sharing the journal with a staff member, administrator, or faculty member who volunteers as an advisor.

Honors students in good standing are eligible for a number of special grants and scholarships during and at the conclusion of their undergraduate career. These include scholarships based on financial need, grants to support independent research conducted in the U.S. or abroad, scholarships to support study-travel for members of the Journal Project, the Diachron Award for students continuing studies in graduate school, and several other literary, service, and book awards.

Benefits

The greatest benefits Honors Program students enjoy are intensified intellectual development and a heightened personal awareness of the individual’s place in his or her culture. A high percentage of graduates of the Honors Program enter graduate or professional schools, and move on to successful careers.

How To Apply

For an application, contact:

Director, Honors Program
355 Patterson Office Tower
University of Kentucky
Lexington, KY 40506-0027
(859) 257-3111
email: HONPROG@uky.edu
www.uky.edu/Honors/
fax: (859) 257-6428

The application deadline is January 15. Contact the Honors Program for more information.
Since its establishment in 1908, the College of Law has provided programs of legal instruction, research, and service to the state and to the bar. The College of Law program is designed so that its graduates can practice their profession on a local, regional, or national level. The college is accredited by all agencies which establish standards for law schools, including the Association of American Law Schools, the American Bar Association and the bar admission authorities in all states.

The instructional program consists of a three-year general law curriculum designed to be completed in six consecutive 16-week semesters or in five semesters and two summer sessions. The program is arranged to assist each student in acquiring the skills required for the solution of modern legal problems; to make certain that he or she has an appreciation for and understanding of the legal, social, and political institutions on which the administration of justice rests; and to prepare him or her for the policy and ethical decisions which must be made in practicing law.

The Faculty

The program of the college is conducted by a full-time faculty and staff composed of 29 professors and 25 library and support personnel. They are assisted by a number of part-time and adjunct professors.

The Library

The college maintains a carefully selected law library collection of over 350,000 volumes, one of the larger law libraries in the South. It is housed in the Law Building and includes a comprehensive collection of American case and statutory materials. It contains more than 40,000 treatises and textbooks, all major legal reference works, and over 3,400 annual legal publications.

The Law Building

The College of Law occupies a handsome building of contemporary design located on the central campus. The building was planned to provide all of the special physical facilities required for a modern legal education. Facilities include “smart” classrooms; a model courtroom-auditorium; the Law Library; faculty and staff offices; offices for the Kentucky Law Journal, the Student Bar Association and other law student organizations; and offices for visiting scholars who come to the College of Law for research and study.

Other Facilities and Information

Since 1912 the college has published the Kentucky Law Journal, a quarterly periodical and the tenth oldest American law review. This journal is published by a student staff, and election to the staff is based on high academic achievement and proven ability to write and conduct research. Articles, notes, and comments written by legal scholars, attorneys, and students are published. The Kentucky Law Journal is subscribed to by members of the bar as well as all leading domestic and foreign libraries.

The student-run Kentucky Journal of Equine, Agriculture & Natural Resources Law has been published since 1983, originally as the Journal of Natural Resources and Environmental Law.

Practical training in trial and appellate advocacy is provided in litigation skills and clinical courses, and in co-curricular moot court and trial and appellate advocacy programs. Teams representing the college compete annually in various trial advocacy and appellate advocacy competitions.

Instruction in legal research and writing is available to all students, not only in required courses designed for this purpose, but also in a program of seminars, drafting projects and opportunities for independent study. The college operates an externship program to provide students with a variety of clinical learning experiences. In 1997, the College of Law opened a Civil Law Clinic across Limestone Street from the College, giving students the opportunity to represent low-income individuals on a variety of legal matters.

REQUIREMENTS FOR ADMISSION

In addition to the general requirements for admission to the University, an applicant for admission to the College of Law must meet the following requirements:

1. The applicant must have received a bachelor’s degree from an accredited institution.
2. The applicant must have taken the Law School Admission Test.
3. The applicant must have registered with the American Bar Association and the bar admission authorities in all states.
4. The applicant must provide at least two (2) letters of recommendation.

In addition, the College of Law requires that applicants have taken the Law School Admission Test within three (3) years of the date he or she will matriculate.

Admissions Committee Consideration

The College of Law Admissions Committee considers and makes recommendations to the Dean of the College of Law on an applicant’s undergraduate grade record, the Law School Admission Test Score, writing ability, and other factors indicative of the applicant’s aptitude for law study. The Committee examines with particular care the grade average for the most recent semesters of undergraduate study, recommendations of faculty, the nature and difficulty of course work attempted in prelaw study, undergraduate extracurricular activities, and work experience. The Committee also considers post-baccalaureate experiences where such experiences, in the Committee’s determination, indicate a development of aptitude for the study of law. The Committee will review the file of an applicant to determine whether personal, academic, professional, or intellectual circumstances tend to discount low academic or LSAT scores and give evidence of both the capability and motivation to do successful law school work. The Committee may also consider factors which bear on the provision of adequate legal services to all segments of Kentucky.

In its decision making, the Committee works with written materials in the applicant's file. There is no interview and applicants are urged to provide in writing whatever they want the Committee to consider. The Committee requires at least two (2) letters of recommendation which speak to ability, and the Committee will consider any other material the applicant thinks important enough to include.
Admission of Transfer Students
At a minimum, applicants for transfer from a law school should present a 2.7 average on at least 25 hours of law school work at a school accredited by the American Bar Association or the Association of American Law Schools. The Admissions Committee will consider the applicant’s law school record as well as all factors the Committee considers in an application for the entering class.

Procedure for Application
Application for admission is initiated by submitting the following to the Office of the Dean, College of Law: a completed UK law application form, which may be obtained from that office or from the College of Law Web site at: www.uky.edu/Law, and a $50 check made payable to the University of Kentucky College of Law. Candidates also may apply on-line, paying the application fee by credit card.

The Law School Admissions Test (LSAT), administered by the Law School Admission Council (LSAC), is given four times each year at testing centers throughout the country according to a schedule of dates and places published by the LSAC.

In addition to administering the LSAT, LSAC provides a transcript analysis and report for applicants, known as the Law School Data Assembly Service (LSDAS). All applicants are required to register directly with LSDAS for this service, which is done at the time one applies to take the LSAT. Transcripts of prelaw work should be sent to LSDAS rather than the University.

The LSAT and the LSDAS registration forms are available from the LSAC Web site at: www.LSAC.org.

Submission Dates and Deadlines
Because the Admissions Committee considers applications as they are completed, all students are urged to apply as early as possible. March 1 of the year in which an applicant expects to enter law school for the fall semester is the final deadline for receipt of the application form. March 31 is the final deadline for receipt of all supplementary materials, including LSAT scores and the LSDAS report. Applicants are urged to take the LSAT in June, October or December. The LSAT given in February is the last examination which will be accepted by the Admissions Committee. Applicants are urged to send transcripts to LSDAS no later than January 1. If transcripts are not on file with LSDAS by February 1, there is a substantial possibility that an LSDAS report will not arrive at the Office of Admissions before the March 31 deadline for receipt for materials.

College of Law Withdrawal Policy
All students enrolled in the College of Law are expected to complete their degree requirements without interruption other than for regularly scheduled vacation periods. It is expected that students will complete all courses or seminars in which they are enrolled. Rules specific to withdrawal from the College of Law exist. Contact the College of Law for complete information.

PRELEGAL STUDY
While a broad, liberal arts education is generally considered to be an excellent preparation for law school, there is no fixed, comprehensive prelaw curriculum prescribed by this or any other American law school.

This fact is very important, and its implications should not be misunderstood. American legal education is not a graduate program of advanced work in a specialized course of study beginning in college; it is not a technical or scientific training that builds upon a specific preparation in basic techniques and knowledge acquired in undergraduate school. Legal education is a professional education which requires that each student develop three fundamental capacities (described below) in the prelegal experience. These accomplishments may be obtained in a variety of learning ways and academic disciplines.

First, because the basic working tools of lawyers are written and spoken words, the beginning law student must have thorough preparation in the use of the language. The importance of this requirement cannot be overstated. A fundamental knowledge of grammar and syntax, a good vocabulary, an ability to read rapidly with insight and understanding, and a facility for expressing ideas with clarity and order are all essential to success in the study and practice of law. Any prelaw student who is deficient in these abilities should immediately take additional courses in English literature and composition, seek specialized remedial assistance, and exert all efforts towards language mastery.

Second, because the primary working arena of lawyers is social, economic, and political communities, the beginning law student must obtain a comprehensive, exploratory undergraduate experience. The law student should have a good knowledge of history (especially English and American traditions), of governmental and political processes, of social and cultural patterns and the interactions that create them, and of the ethical and spiritual credos by which men and women live.

Third, because the fundamental techniques of legally trained persons are careful ordering of facts and events, conceptual analysis and synthesis, and effective advocacy, the prelaw student should pursue a degree program in which he or she will learn to think clearly, will form sound study habits, and will have the opportunity to master the methodology and knowledge of a particular field under the guidance of experienced instructors. Generally, any undergraduate program can satisfy this requirement and help meet the other two needs outlined above. Prelaw students with definite career objectives in mind may wish to prepare for those objectives by majoring in appropriate subjects, for example: business or economics, government or political science, English literature, engineering, or the natural sciences.

Experience indicates that the poorest preparation for legal study lies in inadequate development of language skills, lack of historical and social awareness and appreciation, and failure to achieve the mastery of any academic discipline that overcomes the shallowness of vague generalization. Therefore, the prescription from this law school to the prelaw student is that he or she should invest in the broadest, deepest undergraduate education open to him or her rather than in some predetermined curriculum.

For additional information, students should obtain the current Official Guide to U.S. Law Schools, published and prepared by the Law School Admission Council and the Association of American Law Schools. This yearly publication contains material on the law and lawyers, prelaw preparation, applying to law schools, and the study of law, together with information on most American law schools. Students may order this when they register for the LSAT and LSDAS.

THE DEGREE OF JURIS DOCTOR
Students admitted to the College of Law are eligible for the degree of Juris Doctor (J.D.) upon completion of a minimum of three academic years (six full-time semesters or equivalent) of residence and 90 semester hours of courses in the College of Law with a grade-point average of at least 2.0.

All courses in the first year of law study are required as is a course in professional responsibility and an upper division writing course.

Because the study of law at the University of Kentucky is a full-time pursuit, all law students are expected to carry a full academic program (15 semester hours) and to devote their full time to the study of law. Second and third year students may work 15 hours per week for local legal employers.

For the College of Law Overview, interested students may stop by the Dean’s Office, 209 College of Law, University of Kentucky, Lexington, KY 40506-0048; or order the Overview online at: www.uky.edu/Law/. For specific information about the courses and policies of the College of Law, students should refer to the college’s Web site or contact the Associate Dean for Academic Affairs at the College of Law, (859) 257-1678. Candidates may contact the Associate Dean for Admissions at (859) 257-1678; e-mail: dbakert@email.uky.edu.
The College of Medicine offers a four-year curriculum leading to a degree of Doctor of Medicine (M.D.) and training for postdoctoral and research fellows. The University of Kentucky Hospital offers accredited postdoctoral training for interns and residents.

A curriculum in medicine has been part of the University of Kentucky since 1960. The College of Medicine is responsible for providing its students with training in related basic sciences and with clinical experience under supervision in the University of Kentucky Hospital and other affiliated facilities.

As part of the Medical Center – which also includes the University of Kentucky Hospital and the Colleges of Dentistry, Health Sciences, Nursing, Pharmacy, and Public Health – the College of Medicine strives for programs of the highest possible quality. This means selecting the best possible student body, creating an environment which fosters learning, investigation, and clinical excellence, and acquiring and keeping talented faculty and administrative staffs.

ACADEMIC PREPARATION FOR THE STUDY OF MEDICINE

Medical science and practice involve complex relationships between physical, biological, psychological, cultural, and environmental aspects of human behavior. In the preparation for medical school, fundamental undergraduate college training in biology, chemistry, physics and English is essential. Minimal requirements are satisfied with the equivalent of two semesters of studies in physics; two semesters in the biological sciences; four semesters in chemistry, including organic chemistry; and at least one year of English with emphasis on communication skills such as reading, writing, and speaking.

Courses in each of the science areas must include laboratory work. Students are encouraged to follow special interests which they may have in philosophy, psychology, literature, social sciences, or the fine arts.

Students are urged to demonstrate a capacity for advanced work through concentrated study of at least one subject in a major area by completing courses beyond the introductory level.

REQUIREMENTS FOR ADMISSION

Applicants for admission to the College of Medicine, in addition to meeting general University requirements, must meet the prerequisite requirements of the College of Medicine and be accepted by the Medical College Admissions Committee. Applicants will be required to have taken the Medical College Admission Test (MCAT) and are encouraged to have completed a baccalaureate degree program at an accredited college or university.

SELECTION CRITERIA

In admitting students to the College of Medicine, the University endeavors to select students who show promise of becoming excellent future physicians. Applicants are judged on the basis of their total qualifications and in comparison with other applicants.

As a state-supported school, the College of Medicine gives preference to qualified residents of Kentucky. Although well-qualified nonresidents may apply, preference is given to candidates with Kentucky ties.

Selection from among applicants who meet the general premedical educational requirements of the College of Medicine is based on a number of criteria. A high level of academic performance at the undergraduate level is extremely important. It is recognized, however, that a meaningful evaluation of student performance must consider many factors in addition to grades. For example, exposure to the health care profession is considered essential.

Scholastic aptitude as measured by the Medical College Admission Test also is considered.

Since the practice of medicine involves the physician in continual relationships with people – with patients, and with other members of the health care team – applicants are also judged according to premedical evaluations, the degree of their participation in campus and community activities and organizations, and the personal characteristics that they demonstrate. Friendliness, warmth, compassion, integrity, and commitment are all essential traits of the physician.

Often the physician’s ability to communicate effectively will determine the degree of success in the diagnosis and management of a patient’s health problem and in other professional activities. Thus, consideration is given to the communication skills demonstrated by each applicant. Communication is a two-way process and involves the ability to listen perceptively, as well as to speak and write clearly.

Because the practice of medicine and the life of the medical student require a great investment of effort and demand both time and energy, it is essential that a prospective medical student meet the Technical Standards of the College of Medicine detailed online at: www.mc.uky.edu/meded/admissions. Further, prospective applicants should be able to demonstrate that their motivation to study medicine is sufficiently strong to sustain him or her in the face of difficulties. Accepted applicants are subject to a criminal background check prior to matriculation.

STUDENT PROGRESS

The Student Progress and Promotion Committee is charged with monitoring student progress through the curriculum. The committee regularly reviews each student’s performance and makes recommendations on such actions as graduation, promotion, remediation, dismissal, and leaves of absence. Final authority on all matters of student progress and promotion is vested in the Dean of the College of Medicine.

Students are responsible for conforming to all rules and regulations specified by the Behavioral Standards in Patient Care, Health Science Student Professional Behavior Code, the College of Medicine Honor Code, the “Technical Standards Related to Applicant Admission and Student Performance” detailed online at: www.mc.uky.edu/meded/student_affairs/Policies.asp, the academic standards established in the Student Promotion rules, and the Code of Student Rights and Responsibilities for all University of Kentucky students.

COURSE DESCRIPTIONS

Course listings for the College of Medicine may be found under the college according to departmental and area headings.

For specific information about programs in the College of Medicine, students should refer to The Graduate School Bulletin or the College of Medicine Bulletin.

COMBINED MEDICAL AND GRADUATE STUDIES

A medical student who wishes to work toward a combined medical and graduate degree (master’s or doctoral) may do so by enrolling both as a graduate student and as a medical student. Details of the combined degrees are available from basic science department chairpersons, the Associate Dean for Research and Basic Sciences, or the Office of Medical Education, College of Medicine.
Jane M. Kirschling, D.N.S., R.N., F.A.A.N., is Dean of the College of Nursing. Patricia V. Burkhart, Ph.D., R.N., is Associate Dean for Undergraduate Studies. Patricia B. Howard, Ph.D., R.N., C.N.A.A., F.A.A.N., is Associate Dean for M.S.N. and D.N.P. Studies. Terry A. Lennie, Ph.D., R.N., F.A.A.N., is Associate Dean for Ph.D. Studies. Suzanne Prevost, Ph.D., R.N., C.O.I., is Associate Dean for Practice and Engagement. Lynne A. Hall, Dr.P.H., R.N., is Associate Dean for Research and Scholarship.

Accreditation
The College of Nursing has had continuous accreditation since 1967. The baccalaureate degree curriculum offered by the College of Nursing is accredited by the Commission on Collegiate Nursing Education and approved by the Kentucky Board of Nursing.

Undergraduate Program in Nursing
The University of Kentucky grants the following degree in the College of Nursing:
• Bachelor of Science in Nursing

ADMISSION REQUIREMENTS
The College of Nursing enrollment is composed of four-year students, associate degree nursing graduates, and diploma nursing school graduates. Admission to the University does not guarantee admission to the College of Nursing. Preference is given to Kentucky residents.

Applicants must be in a state of good health enabling them to carry out the functions of the professional nurse. Routinely, each student will be required to obtain a rubella and rubeola titers, hepatitis B immunizations, and have an annual tuberculin test or chest x-ray. (Other immunizations may be required. Check with the College of Nursing for a current list.)

The University of Kentucky will consider for admission any applicant who demonstrates the ability to perform or to learn to perform the skills listed below. Applicants are not required to disclose the nature of any disability, but an applicant with questions about these technical requirements is strongly encouraged to discuss the issue with the dean for the particular program of study. If appropriate, and upon the request of the applicant, student or faculty, reasonable accommodations for a disability will be provided.

Students must possess aptitude, abilities, and skills in five areas:
• observation;
• communication;
• sensory and motor coordination and function;
• conceptualization, integration, and quantification; and,
• behavioral and social skills, abilities and aptitude.

Full details on these standards are available by contacting the College of Nursing.

Progression to upper-division is regulated so that the total number of full-time equivalents at the beginning of the junior year does not exceed 120.

Admission Criteria
Criteria for admission to the 4-year B.S.N. program include:
1. Freshman Student:
   Students will be admitted as freshmen to a pre-nursing curriculum based on the following criteria:
   a) high school grade-point average of 2.75 or above on a 4.0 scale;
   b) meeting criteria for selective admission to the University of Kentucky (see the Undergraduate Admission section of this Bulletin for more information).

   Consideration for admission to the professional nursing program will occur at the sophomore level for all students based on the following criteria:
   a) a minimum cumulative and science grade-point average of 2.75;
   b) a grade of C or better in all required pre-nursing courses;
   c) completion of an approved Medicaid Nurse Aide training program;
   d) the Internet-based TOEFL is required of all applicants whose first or primary language is other than English. Minimum cumulative score of 90; and at least minimum individual scores of 26 in speaking, 22 in listening, 20 in writing and 22 in reading. The requirement may be appealed by the student in extenuating circumstances.

   In addition, any or all of the following information may be requested as part of the application:
   e) a writing exercise based on the criteria established by the College of Nursing;
   f) two letters of reference from individuals who can assess potential for success (e.g., teacher, employer). Reference forms are available by calling (859) 323-5108.
   g) an interview with members of the Admissions and Progression Committee, or their designees.

Early Admission
Early provisional admission to the Professional Nursing Curriculum will be granted to graduating high school seniors who meet the criteria of a high school GPA of 3.5 or higher and an ACT composite of 28 or higher (or the equivalent SAT combined score). Students will be required to maintain a 3.25 GPA in each semester in their first year and a 3.25 GPA in science to retain guaranteed admission to the professional level. Students who meet these requirements will be granted full admission in either the fall or spring of the student’s sophomore year to the Professional Nursing Curriculum. Students not meeting those requirements will be grouped with other applicants who are considered for admission after completion of the prerequisites.

2. Transfer Student:
   a) for transfer students with less than 24 hours of college credit, meeting the criteria for entering freshmen and a minimum grade-point average of 2.5 on all college work attempted as computed by the Office of Admissions;
   b) for transfer students with more than 24 hours of college credit, maintaining grade-point average of 2.5 on all college work

APPLICATION DEADLINE FOR COLLEGE OF NURSING

Traditional B.S.N. Program:
March 1

Second Degree Program:
March 1 for fall semester
August 15 for spring semester

R.N.-B.S.N. Program:
March 1 preferred, until August 1 on space-available basis for fall semester
December 1 for spring semester

D.N.P. Program:
February 15
Seeking licensure as a Registered Nurse requires that applicants have no criminal history. In Kentucky, applicants who are convicted felons may be denied licensure. Cases are reviewed individually, upon application. Additionally, some clinical agencies require criminal background checks and drug screening for students who might be placed there for a learning activity. The agency reserves the right to deny a student permission to meet clients, based on the results of the criminal background check. If you have a criminal history, we urge you to contact the board of nursing in any state where you may seek licensure prior to enrolling in a nursing program. The regulations vary from state to state.

- grades of C or better in all courses required for CON curriculum;
- a writing exercise based on the criteria established by the College of Nursing;
- two letters of reference from individuals who can assess potential for success (e.g., teacher, employer). Reference forms are available by calling (859) 323-5108;
- completion of an approved Medicaid Nurse Aide training program;
- an interview with members of the Admissions and Progression Committee or their designees.

Students will be eligible to apply for readmission to the College of Nursing after suspension from the College when they meet criteria as stated in Section 2 a and b of this policy.

A student who is a registered nurse will be considered for admission to upper-division courses in the UK Professional Nursing program based on the following criteria:

i. For Associate Degree Nurses:
The registered nurse with an associate degree in nursing from a college accredited by one of the six regional academic accrediting associations will be considered for admission with a minimum GPA of 2.5 on a scale of 4.0 in all course work attempted as computed by the Office of Admissions. NOTE: R.N. licensure is required to progress to the second semester of the curriculum or prior to beginning clinical experiences.

ii. For Diploma Prepared Nurses:
The registered nurse who is a graduate of a diploma program will be considered for admission after earning a minimum of 60 college credits which include:

- English – 6 semester credits
- Natural Sciences – 6 semester credits
- Social Sciences – 6 semester credits
- Humanities – 6 semester credits
- Nursing* – 28 semester credits

*Nursing credits may be earned from regionally accredited colleges by taking the courses or by submission of a portfolio of R.N. licensure and experience to the R.N.-B.S.N. Option Coordinator.

Application Deadline
The preferred application deadline is March 1; however, applicants will be considered on a space-available basis until August 1 for the fall semester. For spring semester, applications must be received by December 1.

Application for Admission
All applications and transcripts for admission must be submitted to the Office of Admissions according to the deadlines listed in the box above. Transfer applicants will be evaluated for fall and spring admission, according to the deadlines listed. Those accepted for admission must notify the college within 30 days, in writing, of their intent to enroll. Late applicants will be considered for admission on a space-available basis.

Part-Time Study
The traditional and Second Degree Option nursing curricula were designed with co-requisites and courses taken in sequence. Therefore, students will be admitted to these options with the expectation that they will follow the prescribed nursing curriculum. R.N. students who are working toward the completion of the B.S.N. degree on a part-time basis must plan a course of study with the appropriate College of Nursing personnel or committee and may not alter that plan without prior approval from the College of Nursing.

Candidates for the degree who do not complete all requirements within a seven-year period (five years for R.N. students) after admission will have their records reevaluated and may be required to repeat or take selected courses.

Financial Aid
The college has scholarships designated for Nursing students. Inquiries should be directed to the Office of Student Services, College of Nursing. Students may also wish to pursue funds available through hospitals and other agencies that offer financial assistance in return for a work commitment.

Academic Advising
Students who are admitted to the College of Nursing are assigned to an advisor within the college. Curriculum plans are determined in the first semester of enrollment in the college and updated each semester. Questions regarding progression through the program may be directed to the Office of Student Services, College of Nursing.

DEGREE REQUIREMENTS

BACHELOR OF SCIENCE IN NURSING
To obtain a Bachelor of Science in Nursing, students must satisfy the University requirements for graduation, including the UK Core requirements, and obtain a 2.0 grade-point average in nursing in the courses listed below. A grade of C or better must be attained in all courses required in the nursing curriculum in order to proceed to the next clinical course or to graduate. A minimum of 120 credit hours is required for graduation.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ………………… 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ………………… 3

III. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ………………… 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ………………… 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ……… 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ……… 3

VII. Quantitative Foundations
Choose one course from approved list ………………… 3

VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ………………… 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ………………… 3

X. Global Dynamics
Choose one course from approved list ………………… 3

UK Core Hours ……………………………… 31
Premajor Requirements

ANA 109 Anatomy and Physiology for Nursing I .......... 3
ANA 110 Anatomy and Physiology for Nursing II .......... 3
CHE 103 Chemistry for Health Professionals or
UK Core ......................................................... 3-4
CIS/WRD 110 Composition and Communication I or
UK Core ......................................................... 3-4
PSY 101 Introduction to Psychology .......................... 4
UK Core ......................................................... 3

Subtotal: Premajor Hours .................................. 17

Major Requirements

NUR 860 Foundations for Professional Nursing .......... 2
NUR 861 Family Health Promotion and Communication Across the Lifespan .......... 8
NUR 863 Professional Nursing Care Across the Lifespan .......... 8
NUR 866 Pathopharmacology I ................................ 3
NUR 870 Pathopharmacology II .............................. 3
NUR 871 Family Centered Care of Adults With Common Health Problems .......... 7
NUR 872 Research for Evidence-Based Nursing Practices ................................................................. 3
NUR 873 Nursing Care of Childbearing Families .......... 4
NUR 875 Nursing Care of Childbearing Families .......... 4
NUR 880 Leadership/Management in Nursing Care Delivery ............................. 6
NUR 881 Psychiatric-Mental Health Nursing ............... 5
NUR 883 Public Health Nursing .............................. 5
NUR 884 Career Management in Nursing .................. 2
NUR 885 High Acuity Nursing ................................ 3
NUR 886 Pathopharmacology II .............................. 3
NUR 887 Family Centered Care of Adults With Common Health Problems .......... 7
NUR 888 Career Management in Nursing .................. 2
NUR 888 High Acuity Nursing ................................ 3
NUR 889 Synthesis of Clinical Knowledge for Nursing Practice ............................................................. 3
NUR 868 Principles of Microbiology ......................... 3
HSM 241 Health and Medical Care Delivery Systems ................................................................. 3
NFS 212 Introductory Nutrition ................................ 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning or
HSM 241 Health and Medical Care Delivery Systems .......... 3

Subtotal: Major Hours ..................................... 80

Electives

Electives should be selected to complete the minimum 120 hours required for graduation.

Subtotal: Electives ............................................. minimum of 3

TOTAL HOURS: ........................................ 120

Sample Curriculum

Baccalaureate Program

(Four-year Students)

Freshman Year

First Semester

ANA 109 Anatomy and Physiology for Nursing I .......... 3
CHE 103 Chemistry for Health Professionals or
UK Core ......................................................... 3-4
CIS/WRD 110 Composition and Communication I or
UK Core ......................................................... 3-4
PSY 101 Introduction to Psychology .......................... 4
UK Core ......................................................... 3

Second Semester

ANA 110 Anatomy and Physiology for Nursing II .......... 3
CHE 103 Chemistry for Health Professionals or
UK Core ......................................................... 3-4
CIS/WRD 110 Composition and Communication I or
UK Core ......................................................... 3-4
UK Core ......................................................... 3
UK Core ......................................................... 3

Sophomore Year

First Semester

NCBO 208 Principles of Microbiology ......................... 3
NFS 212 Introductory Nutrition ................................ 3
NUR 860 Foundations for Professional Nursing ......... 2
NUR 861 Family Health Promotion and Communication Across the Lifespan .......... 8

Second Semester

NUR 863 Professional Nursing Care Across the Lifespan .......... 8
NUR 866 Pathopharmacology I ................................ 3
Second Tier Writing Requirement or
UK Core ......................................................... 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning or
HSM 241 Health and Medical Care Delivery Systems .......... 3

Junior Year

First Semester

NUR 870 Pathopharmacology II .............................. 3
NUR 871 Family Centered Care of Adults With Common Health Problems .......... 7
NUR 872 Clinical Reasoning: Quantitative, Qualitative and Epidemiological Approaches .......... 3
NUR 873 Nursing Care of Childbearing Families .......... 4
NUR 875 Nursing Care of Childbearing Families .......... 4
UK Core ......................................................... 3
UK Core ......................................................... 3

Second Semester

NUR 886 Pathopharmacology II .............................. 3
NUR 887 Family Centered Care of Adults With Common Health Problems .......... 7
NUR 888 Career Management in Nursing .................. 2
NUR 889 High Acuity Nursing ................................ 3
NUR 889 Synthesis of Clinical Knowledge for Nursing Practice ............................................................. 3

Senior Year

First Semester

NUR 880 Leadership/Management in Nursing Care Delivery ................................................................. 3
NUR 881 Psychiatric-Mental Health Nursing ............... 5
NUR 883 Public Health Nursing .............................. 5
Elective ......................................................... 3

Second Semester

NUR 884 Career Management in Nursing .................. 2
NUR 885 High Acuity Nursing ................................ 3
NUR 886 Synthesis of Clinical Knowledge for Nursing Practice ............................................................. 6

Sample Curriculum

Baccalaureate Program

(Registered Nurses)

Junior Year

First Semester

NUR 854 Advanced Concepts in Professional Nursing ................................................................. 5
NUR 855 Health Assessment ................................ 2
NUR 872 Clinical Reasoning: Quantitative, Qualitative and Epidemiological Approaches .......... 3
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning .......... 3

Second Semester

NUR 883 Public Health Nursing ................................ 5
NUR 884 Pathophysiology .................................... 3
NUR 862 Pharmacology ..................................... 3
Elective* ......................................................... 3

Third Semester

NUR 880 Leadership/Management in Nursing Care Delivery ................................................................. 3
NUR 886 Synthesis of Clinical Knowledge for Nursing Practice ................................................................. 6
Elective* ......................................................... 3

*Optional – for students who wish to take full time course work.

Curriculum Policies

Students are expected to be familiar with the requirements for the degree of Bachelor of Science in Nursing and to confer with advisors in the College of Nursing when selecting courses.

Since the health needs of the nation are constantly changing, an effective curriculum requires continuous review and evaluation, which may necessitate revision of courses and requirements. Thus, there can be no guarantee that course content will be identical in each subsequent academic year. Furthermore, to continue to meet the changing emphasis in nursing education, some courses will require educational experiences for students in community facilities outside of Lexington.

BSN Program Learning Outcomes

- Applies a systematic process, consistent with professional standards and evidence-based practice, to prevent illness and injury; promote, maintain, and restore client health; or support clients toward a peaceful death.
- Demonstrates leadership, responsibility and accountability in addressing health care issues.
- Demonstrates caring, professionalism, and respect in providing nursing care to diverse populations in a variety of settings.
- Demonstrates critical thinking in making independent and collaborative decisions in a complex health care system.
- Employs interprofessional communication and collaboration in providing safe, high quality care to improve client health outcomes.

SECOND DEGREE OPTION

B.S.N. PROGRAM

NOTE: The Second Degree B.S.N. program as listed below has been provisionally approved; formal approval is expected in Fall 2011.

The College of Nursing offers the Second Degree B.S.N. (Bachelor of Science in Nursing). This option is for people who have a bachelor’s degree in a field other than nursing. It is not an accelerated B.S.N. option but a five-semester B.S.N. option.

Prerequisites for Second Degree B.S.N. Option

Students who have earned a degree in another field may apply to complete a B.S.N. The admission requirements/prerequisites include:
Graduate Study

The Doctor of Nursing Practice (D.N.P.) program is a professional clinical doctorate program which focuses on development of advanced competencies for complex practice, and research utilization for the improvement of clinical care delivery, patient outcomes, and system management. Graduates will be expert in designing, implementing, managing, and evaluating healthcare delivery systems and will be prepared to lead at the highest clinical and executive ranks.

There are two entry points to the D.N.P. program: the post-Master of Science in Nursing (M.S.N.) entry option for those with an awarded master’s degree in nursing that are already prepared in the role of the Advanced Practice Registered Nurse (A.P.R.N.); and the post-Baccalaureate of Science in Nursing (B.S.N.) entry option. This option builds on the B.S.N. degree and prepares individuals for the A.P.R.N. role. Both options culminate with the D.N.P. degree.

Application Deadline

Application materials are due by February 15 for fall admission. Applications received after this date will be considered if space is available. For additional requirements for application, including the application forms, go to: www.mc.uky.edu/Nursing/academic/dnp/default.html

M.S.N. - D.N.P. in Nursing

Graduates of the post-M.S.N.-D.N.P. option are expected to be experts in designing, implementing, managing and evaluating healthcare delivery systems. Simultaneously, they will know how to manage the complex balance between quality of care, access and fiscal responsibilities.

Admission Criteria

- Master’s degree in nursing from a nationally accredited program
- Graduate grade-point average of 3.3 on a 4.0 grading scale
- Satisfactory scores on the Graduate Record Examination (minimum scores of 500 on the Verbal and Quantitative portions are preferred. Analytical Writing scores are evaluated individually.)
- Three references
- Personal interview(s)
- Licensure as a registered nurse in the state in which clinical will occur
- Clinical practice hours as demonstrated by certification in an advance practice nursing specialty, or previous graduate level course work (applicants who cannot demonstrate a minimum of 460 clinical clock hours of practice will be expected to complete clinical course work beyond the proposed curriculum)
- Written goal statement

Sample Curriculum

<table>
<thead>
<tr>
<th>B.S.N. - D.N.P. Program</th>
<th>M.S.N. - D.N.P. Program</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>YEAR ONE</strong></td>
<td><strong>YEAR TWO</strong></td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Hours</th>
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<tr>
<td><strong>Fall Semester</strong></td>
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<tr>
<td>NUR 902 Nursing Leadership in Health Care Systems</td>
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<td>NUR 915 Foundations of Evidence-Based Practice and Program Planning</td>
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<td>NUR 919 Strategic Analysis for Quality Improvement in Nursing and Healthcare</td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<tr>
<td>NUR 903 Applied Biostatistics for Outcomes Evaluation</td>
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<tr>
<td>NUR 904 Epidemiology Applied to the Design and Evaluation of Nursing and Health Services</td>
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<tr>
<td>NUR 916 Evaluation for Improvement of Clinical Practice and Outcomes</td>
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<td><strong>Subtotal</strong></td>
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<tr>
<td><strong>Summer</strong></td>
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<tr>
<td>NUR 917 Technology for Transforming Nursing and Healthcare</td>
<td>3</td>
<td></td>
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<td>NUR 918 Protection of Human Subjects</td>
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<tr>
<td><strong>Subtotal</strong></td>
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*STA 570 or comparable graduate-level course within the past five years is a prerequisite to the program or can be taken during the fall of the first year; statistics is a required course prerequisite for NUR 903 (Applied Biostatistics for Outcomes Evaluation).

B.S.N. - D.N.P. in Nursing

The post-B.S.N. entry option builds on a student’s undergraduate degree and experience as a registered nurse and prepares the individual for the advanced practice registered nurse role in a chosen specialty. Direct care specialties include: Acute Care Nurse Practitioner, Adult Clinical Nurse Specialist, Pediatric Nurse Practitioner, Psychiatric-Mental Health Nurse Practitioner (Adult or Family), Primary Care Nurse Practitioner (Adult or Family) or population/systems focus in the Populations and Organizational Leadership specialty. Students apply to and are admitted to a particular specialty. Admission decisions are made on a competitive basis by specialty.
## Admission Criteria
- Baccalaureate degree in nursing from a CCNE or NLN accredited program
- Undergraduate grade-point average of 3.3 on a 4.0 grading scale
- Satisfactory scores on the Graduate Record Examination (minimum scores of 500 on the Verbal and Quantitative portions are preferred. Analytical Writing scores are evaluated individually.)
- Three letters of reference
- Personal interview(s)
- Licensure as a registered nurse in the state in which clinical will occur
- Clinical nursing experience prior to the first DNP clinical course
- Written goal statement

## Sample Curriculum
### B.S.N. - D.N.P. Program

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
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<th>Course Title</th>
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<tr>
<td>Fall</td>
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<td>NUR 900</td>
<td>Process of Nursing Leadership</td>
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<td>NUR 910</td>
<td>Clinical Residency</td>
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<td>Spring</td>
<td>3</td>
<td>NUR 911</td>
<td>Advanced Nursing Practice in Dynamic Health Care Systems</td>
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<td></td>
<td>NUR 912</td>
<td>Population-Based Health Care Delivery Systems</td>
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<td></td>
<td>NUR 913</td>
<td>Economic and Financial Aspects of Clinical and Nursing Policy Issues</td>
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<tr>
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<td>NUR 914</td>
<td>Evaluation for Improvement and Evaluation of Nursing and Health Services</td>
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<tr>
<td></td>
<td></td>
<td>NUR 915</td>
<td>Problems in Advanced Practice Nursing</td>
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#### SECOND YEAR

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<th>Semester</th>
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<td>STA 570</td>
<td>Basic Statistical Analysis*</td>
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<td>NUR 921</td>
<td>Pathophysiology</td>
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<td>NUR XXX</td>
<td>Specialty Science**</td>
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<td>NUR 924</td>
<td>Concepts, Theories, and Models for Advanced Practice Nursing</td>
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<td>NUR 900</td>
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<td>NUR 925</td>
<td>Research Methods in Health Care Systems</td>
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<td>NUR 916</td>
<td>Evaluation for Improvement of Clinical Practice and Outcomes</td>
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<td>NUR XXX</td>
<td>Advance Practice Registered Nurse III</td>
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<td>NUR 917</td>
<td>Technology for Transforming Nursing and Healthcare</td>
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<td>NUR 918</td>
<td>Protection of Human Subjects</td>
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<tr>
<td></td>
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<td>NUR 930</td>
<td>Problems in Advanced Practice Nursing</td>
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#### THIRD YEAR

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<td>Fall</td>
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<td>NUR 978</td>
<td>Proseminar in Contemporary Health Philosophy in Nursing</td>
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<tr>
<td></td>
<td></td>
<td>NUR 930</td>
<td>Problems in Advanced Practice Nursing</td>
</tr>
</tbody>
</table>

#### Summer

- Elective

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## D.N.P. Student Outcomes

Graduates will be prepared to:
- Be expert practitioners for diverse populations and systems who engage in leadership to create practice environments that improve health care outcomes.
- Promote evidence-based innovations, technologies, and scholarship in nursing and health care delivery to improve practice.
- Synthesize scientific, theoretical, and policy data from a variety of disciplines to improve health care systems and health outcomes for individuals and populations.
- Collaborate in inter/intraprofessional networks that promote diversity and optimize care in complex health care systems.
- Create an environment that supports personal and professional development to enhance health care outcomes and life quality for populations.

The College of Nursing also offers the terminal academic degree program leading to the Doctor of Philosophy in Nursing. For more information on this program, refer to The Graduate School Bulletin at: [www.rgs.uky.edu/gs/](http://www.rgs.uky.edu/gs/)

For further information, contact:

**College of Nursing**

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Lexington, KY 40536-0232
(859) 323-5108
e-mail: cons@uky.edu
[www.mc.uky.edu/Nursing/](http://www.mc.uky.edu/Nursing/)
The College of Pharmacy offers a professional degree program, a four year curriculum leading to the Doctor of Pharmacy (Pharm.D.). The Pharm.D. degree allows one to sit for the national licensing exam to become a licensed, practicing pharmacist. The College of Pharmacy also offers training for postdoctoral and research fellows, residency programs and graduate training (Ph.D.) in all areas of the pharmaceutical sciences through the Graduate School. The professional program is fully accredited by the American Council on Pharmaceutical Education and satisfies all educational requirements for licensure. The residency programs are accredited by the American Society of Health Systems Pharmacists (ASHP) or by ASHP in conjunction with the American Pharmacists Association.

The major goal of the College of Pharmacy is the education of competent and contemporary pharmacy practitioners who assume responsibility for achieving optimum therapeutic outcomes through the provision of rational drug therapy and who, in cooperation with other health care professionals, can favorably influence both overall health care and the individual patient’s quality of life.

ADMISSIONS OVERVIEW – PHARM.D. PROGRAM

The University of Kentucky is a public institution, and its primary mission is to educate residents of Kentucky and produce professionals who provide pharmaceutical care for its citizens. The College recognizes that a geographically and culturally diverse student body also contributes to more robust exchange of creative ideas and experiences, one that benefits all students. The UK College of Pharmacy, therefore, strives to admit a talented and diverse student body that enhances the educational process while serving the needs of the Commonwealth and the pharmacy profession.

Admission to the professional program is competitive. The number of students admitted to the Doctor of Pharmacy program depends upon the availability of resources such as faculty, clinical facilities and space for implementation of a quality educational program. Consideration for admission will be based on a holistic review of the applicant’s previous academic record, potential for academic achievement, standardized admission test scores, assessment of communication skills, contribution to diversity, integrity, commitment, motivation, character, maturity and emotional stability. Each applicant must have the physical, mental and emotional ability to learn and accomplish those competencies required of a pharmacy practitioner, as well as the character and thought processes necessary to make professional judgments that benefit the patient.

The Admissions Committee believes the applicant should base a decision to enter the pharmacy profession on more solid reasoning than merely an interest in science courses. The applicant should research opportunities available to pharmacy graduates, services provided by pharmacists and obligations of pharmacy practitioners to the people they serve.

Work experience is not a requirement for admission. However, applicants are strongly advised to shadow a pharmacist and volunteer in a pharmacy or health care environment prior to entering a pharmacy program. Students who have prior work, shadowing or volunteer experience in a pharmacy setting generally enhance their performance during the admissions interview process and in the Pharm.D. program if later admitted.

The Admissions Committee cannot consider applications from students in other colleges of pharmacy when the applicant has previously been denied admission to the UK professional program or when the maximum number of students is already enrolled in the program.

Individuals who have been dropped for academic or other reasons applying for reinstatement in the College will have their application considered through the Academic Performance Committee, but on a competitive basis with new applicants. Students applying for admission should be able to meet the technical standards for students in the College. These standards should be reviewed in the College Bulletin, under “Academic Progress and Promotion.”

Any student may be denied admission or permission to continue enrollment in the College of Pharmacy if, in the opinion of the faculty, the moral or ethical character of the student casts grave doubts upon his or her potential capabilities as a pharmacist. Any type of involvement in the illegal use of drugs or other illegal or unethical acts relating to the practice of pharmacy are examples of incidents which would provide cause for considering denying admission or for dismissal of a student from the College.

ACADEMIC PREPARATION – PHARM.D. ADMISSION REQUIREMENTS

A minimum of 70 semester credit hours of prepharmacy course work is required for admission. Approximately 50-60 of those hours are in required subjects; the remaining credit hours can be elective courses of your choice. Elective courses to consider are physiology, biochemistry, psychology, public speaking, medical terminology, logic, health care ethics, foreign languages, genetics, as well as courses that meet the UK UK Core requirements.

Prepharmacy courses should be completed by the end of the spring semester prior to the desired fall enrollment. Prior approval must be obtained by students wishing to take required course work after the spring semester. See the chart on page 253 for the number of semester credit hours required in each prepharmacy subject area and the exact courses as offered at UK. Students may complete the prepharmacy course work at another accredited college or university.

English Requirement for UK and Non-UK Students Interested in Pharmacy

UK students must complete the CIS/WRD requirement beginning Fall 2011. Non-UK students must take two semesters of English writing/composition. For questions about this requirement, contact the Prepharmacy Advisor at: pharmacyinfo@lsv.uky.edu.

Pharm.D. Admission Requirements: Suggested Prepharmacy Schedule

Below is a suggested two-year schedule for UK students on a prepharmacy track. For a three-year, less aggressive prepharmacy schedule, contact the Prepharmacy Advisor at: pharmacyinfo@lsv.uky.edu.

FIRST PREPHARMACY YEAR

Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 152</td>
<td>Principles of Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 151</td>
<td>Principles of Biology Laboratory I</td>
<td>or</td>
</tr>
<tr>
<td>BIO 153</td>
<td>Principles of Biology Laboratory II</td>
<td>or</td>
</tr>
<tr>
<td>BIO 155</td>
<td>Laboratory for Introductory Biology</td>
<td>1-2</td>
</tr>
<tr>
<td>CHE 105</td>
<td>General College Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 111</td>
<td>Laboratory to Accompany General Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>*MA 113</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

*Note: MA 113 Calculus I is required of a pharmacy practitioner, as well as the character and thought processes necessary to make professional judgments that benefit the patient.
Preparatory Subjects | Number of Semester Credit Hours Required in Each Subject | UK Preparatory Courses
---|---|---
**English** | 2 semesters (6 semester credit hours) | CIS/WRD 110/111 Composition and Communication I and II
**Animal biology and lab** | 1 semester plus lab (4-5 semester credit hours) | BIO 152 and one of the following: BIO 151, 153, 155 (BIO labs)
**Microbiology and lab** | 1 semester plus lab (4-5 semester credit hours) | BIO 208 and 209 (lab) (BIO 308 also acceptable with BIO 209 lab)
**Calculus** | 1 semester (4 semester credit hours OR 6 semester hours if taking college algebra and elementary calculus) | MA 113 OR both MA 109 (College Algebra) and MA 123 (Elementary Calculus)
**Statistics** | 1 semester (3 semester credit hours) | STA 291
**Human anatomy or physiology** | 1 semester (3 semester credit hours) | ANA 209 or PGY 206 (anatomy is preferred)
**General chemistry and lab(s)** | 2 semesters plus lab(s) (8-10 semester credit hours) | CHE 105 and CHE 111, CHE 107 and CHE 113
**Organic chemistry and labs** | 2 semesters plus labs (8-10 semester credit hours) | CHE 230 and CHE 231, CHE 232 and CHE 233
**Physics and labs (algebra-based physics)** | 2 semesters plus labs (8-10 semester credit hours) | PHY 211 and PHY 213
**Microeconomics** | 1 semester (3 semester credit hours) | ECO 201
**Elective courses** | Enough to bring the total to 70 semester credits | Electives to consider: physiology, biochemistry, genetics, psychology, public speaking, medical terminology, logic, health care ethics, general education courses.


The College of Pharmacy utilizes a centralized application service called PharmCAS (Pharmacy College Application Service). Through PharmCAS, applicants submit a Web-based application comprised of biographical data, post-secondary institutions attended, academic course history, work experience, extracurricular activities, a personal statement and official transcripts from all accredited U.S./Canadian institutions attended. PharmCAS allows students to submit a single application to apply to multiple Pharm.D. programs. Students planning to apply to enter the UK Pharm.D. program are required to utilize PharmCAS.

College Transcripts: It is the applicant’s responsibility to arrange for PharmCAS to receive all official transcripts before application deadlines. Official transcripts must be submitted from every U.S. and English-speaking institution attended by the applicant. If fall term grades are not available until after the time of application, the candidate must arrange for official fall transcripts to be sent directly to PharmCAS as soon as possible. It is the applicant’s responsibility to submit fall transcripts, add any new courses completed since first submitting the PharmCAS application and to edit their in-progress and planned courses.

PharmCAS Verification: PharmCAS will not begin to verify transcripts and process the application until the student e-submits their complete PharmCAS application, arranges for sealed official transcripts to be mailed to PharmCAS directly from every U.S. and Canadian postsecondary institution attended, and pays the correct PharmCAS application fee. It is not necessary to wait for the arrival of references, transcripts, fall grades, or PCAT scores to e-submit your application.

2. UK Supplemental Application – http://pharmacy.mc.uky.edu/admissions/admissions.php

In addition to applying through PharmCAS, applicants are required to submit a UK Pharm.D. Supplemental Application and fee. The Supplemental Application is updated each June and is available at: http://pharmacy.mc.uky.edu/admissions/admissions.php

NOTE: Deadlines for application materials vary annually depending upon requirements of the PharmCAS. For the most current listings of application deadlines and procedures, applicants should check both the PharmCAS and UK College of Pharmacy Web sites in early June before the academic year in which they intend to apply to the College.

Admission Committee Decisions/Conditional Acceptance

The Admissions Committee convenes and admission decisions are made at the conclusion of each round of interviews. Selected candidates are then "conditionally accepted" based on a holistic review of the PharmCAS and UK supplemental application. The review will include evaluation of GPA (weighing the science GPA most heavily), PCAT scores, interview performance, references, leadership/volunteer/service activities, written essays, character, contribution to diversity and an assessment of other characteristics as described under "Admissions Overview." The total number of students admitted each year will depend upon the availability of resources.

All acceptances remain conditional until final matriculation and fall enrollment in classes.

Final Matriculation/Fall Enrollment Requirements

Before final matriculation and fall enrollment can be approved, all conditionally accepted students must submit a non-refundable tuition deposit, signed copies of specified acceptance forms, pass a criminal background check/drug screen with acceptable results, attend orientation programs and meet other enrollment requirements as set forth by the College prior to the first day of classes.

Criminal Background Check and Drug Screen: Applicants should be aware that both criminal background checks (CBC) and drug screens (DS) are becoming increasingly common requirements for participation in specific course work in the College of Pharmacy and for eventual licensure as a pharmacist. As a result, CBC/DS are now requirements for those students conditionally accepted for admission and must be completed with satisfactory results prior to matriculation to the College. Instructions for completion of CBC/DS requirements will be forwarded immediately following conditional acceptance to the College. The CBC/DS will be annual requirements for all Pharm.D. students enrolled in the College. The types of tests required as well as the cost involved are subject to change and beyond the control of the College of Pharmacy. The expense for background checks and drug screens will be borne by the individual applicant and/or student.

To view the official UK College of Pharmacy Criminal Background Check/Drug Screen Policy, visit: http://pharmacy.mc.uky.edu/admissions/UK_CBC_DS_Policy.pdf.

General/Contact Information

For questions concerning admission, prepharmacy course work or a visit to the College, contact:

University of Kentucky
College of Pharmacy
Academic and Student Affairs
114 Biological Pharmaceutical Complex
Lexington, KY 40536-0596
Phone: (859) 323-6163
http://pharmacy.mc.uky.edu/
The College of Public Health

A defining characteristic of the area of public health is its focus on population groups rather than individuals. Public health professionals are concerned with the health of communities, relying heavily on collaboration with local, state, and national entities to improve the health status of their targeted populations. With the current interest in health care reform, interest in bioterrorism preparedness, concerns over managed care, and other factors impacting the nation’s health care system, the need for highly trained public health professionals is increasing. Professionals with the Master of Public Health (M.P.H.) and/or the Doctor of Public Health (Dr.P.H.) hold important roles in a variety of public and private settings, e.g., local and state health departments, health care facilities, universities, state and national agencies, social service agencies, and community-centered health education facilities. In these positions, they can be involved directly with the development, implementation and assessment of health education/disease prevention programs, and in initiatives for improving health care services.

The College of Public Health offers the M.P.H., M.H.A., M.S. in Clinical Research Design degrees, the Dr.P.H. degree, the Ph.D. in Epidemiology and Biostatistics, and the Ph.D. in Gerontology. M.P.H. is an applied professional/graduate degree designed for highly motivated students who either have a professional degree or a substantial interest in public health. Unique sequencing of courses, community-based program activities, and field/laboratory research provide students with multiple opportunities to define their course of study. The M.P.H. also may be part of a combined degree with other professional and graduate programs such as the M.D./M.P.H. and the Pharm.D./M.P.H. The Dr.P.H. is a terminal professional degree that will prepare graduates to assume professional leadership responsibilities in local, state, national, and international public health activities. Course work will emphasize the integration and application of new knowledge and theory, and analytical, critical thinking, and problem solving skills to address the public health concerns of the Commonwealth and nation.

In addition, the College of Public Health offers one undergraduate course, CPH 201, Introduction to Public Health. The course provides the student with basic knowledge about the discipline of public health. After receiving a philosophical and political orientation to public health, students will begin to acquire functional knowledge of the strategies most often applied in public health practice.

The College also offers a Ph.D. program in Gerontology. For more information, visit the Web site at: www.mc.uky.edu/gerontology.

The Master of Public Health degree requires a minimum of 42 credit hours of study for completion. All students must complete 18 semester hours of required core course work and 15 hours of specialty work in one of the five areas of concentration. The concentrations are biostatistics, epidemiology, health behavior, health services management, and occupational/environmental health. In addition, three credit hours of field practicum, three credit hours of research and three credit hours of a Capstone Project are required.

The M.P.H. core course requirements provide a broad overview of the disciplines of public health and the basic principles of public health practice. Specialty course work develops the skills and knowledge upon which to build or enhance a career in public health. A field practicum in a community, a public health facility, a government agency or related setting will represent the culminating experience that will result in a written Capstone Project paper.

The Master of Health Administration degree program (M.H.A.) provides graduate level education to prepare students for leadership positions across the full range of health care organizations. The program and courses are structured to accommodate the schedules of both full-time and part-time students. The M.H.A. degree is offered in cooperation with several other academic units and includes subject matter experts in the six health care colleges, the College of Business and Economics, the College of Arts and Sciences, and the Martin School of Public Policy and Administration. For students entering in the fall 2011 semester, the total program consists of 54 semester hours, including a field experience and an integrative capstone. Students who have not completed undergraduate microeconomics and accounting courses must do so before taking the M.H.A. courses in these areas.

The Dr.P.H. is designed as a college-wide advanced degree and will require a minimum of 63 semester hours of course work beyond the master’s degree. The Dr.P.H. candidate must have a Master of Public Health, a Master of Science in Public Health, or an equivalent degree. Examples of equivalent degrees are programs related to public health, such as the Master of Arts in Communications, or the Master of Science in Nursing, along with course work equivalent to the five basic core courses in the M.P.H. curriculum. Those applications not meeting the preparation requirements will be evaluated on an individual basis.

Students will complete a curriculum spanning the five core discipline areas offered by the College of Public Health. Typically, a full-time student will require a minimum of three years beyond the master’s degree to complete the program. The program is designed to accommodate nontraditional, working, and part-time students.

The Dr.P.H. curriculum includes:

- Fifteen semester hours of required course work in the core curriculum, which consists of an advanced course in each of the five core public health areas of concentration (epidemiology, biostatistics, health services management, health behavior, occupational/environmental health, and gerontology).
- A second level advanced course in three of the five concentration areas including the course in your area of concentration.
- Fifteen hours of professional elective course work consistent with your area of concentration.
- A one-hour integrative professional colloquium in six semesters of enrollment.
- Two supervised public health field experiences.
- An integrated capstone option of either a problem-based or research-based project paper demonstrating appropriate discipline understanding.

There is an application deadline for each program; for current information, consult the College Web site at: www.mc.uky.edu/publichealth.

Applicants are responsible for ensuring that their
applications are complete, and applications will not be reviewed until all materials have been received.

For further information, contact:

College of Public Health
121 Washington Ave.
University of Kentucky
Lexington, KY 40536-0003
(859) 257-5678
fax: (859) 257-5624
e-mail: ukcph@uky.edu
www.mc.uky.edu/publichealth/
Social work is a profession with a two-fold mission: to help people function as well as they can within their environment and to work for improved social conditions. Social workers are involved in providing services to people in such areas as education, health, mental health, housing, public welfare, counseling, services to the aging, care for the retarded, recreation, corrections and criminal justice, family services, child welfare services, services for the physically and mentally handicapped, vocational rehabilitation and the like. This includes services designed to protect, promote or restore the well-being of people. Both universal services and services for special-needs groups are included.

Social work is not only restorative in nature, responding to human problems after the fact; there is also a strong commitment towards preventive measures. An emphasis upon institutional change within society is predicated upon the principle that society has a responsibility to protect the most vulnerable groups in its midst from falling prey to damage and injury. This expresses itself in the central thrust of the social work profession towards social justice.

The origins of social work are rooted in the ancient human impulse of altruism, the desire to care for one another’s needs. Social work became a profession around the beginning of the twentieth century through the efforts of professional reformers to meet the needs of the poor, of neglected children and of exploited workers through the better organization of charities and the first “friendly visitors.” Social workers led the fight for child labor laws, more humane industrial conditions, voting rights for women and other progressive causes.

Today, professional social work as described in a publication of the National Association of Social Workers, is a “dynamic, growing profession based on knowledge drawn from the social sciences and its own research and practice. It has a code of ethics, standards for practice, and a nationwide system of accredited educational programs designed to merge the impulse to help others with the skill and knowledge needed to provide that help.”

Program Accreditation
Both the Bachelor of Arts in Social Work and the Master of Social Work degree programs are fully accredited by the Council on Social Work Education.

Licensing
Social work graduates are eligible for licensing from the State Board of Examiners of Social Work of Kentucky, PO Box 1360, Frankfort, KY 40602, as follows:

- BASW graduates for license as “social workers”
- MSW graduates for license as “certified social workers”

Undergraduate Program in Social Work
The University of Kentucky grants the following degree in the College of Social Work:

- Bachelor of Arts in Social Work

THE UNDERGRADUATE PROGRAM OF EDUCATION FOR SOCIAL WORK

The undergraduate program in social work was inaugurated in 1944. Effective July 1, 1969, its administration was transferred from the College of Arts and Sciences to the newly established College of Social Professions, which is now the College of Social Work. Freshmen and transfer students who elect social work as a major should arrange to register in the College of Social Work. Each student will be assigned a member of the faculty of the college as an advisor who will assist in the selection of appropriate courses and ensure that the requirements for the B.A. degree are met. Students who wish special information or a personal interview prior to registration may arrange to register in the College of Social Work. Freshmen and transfer students who elect social work as a major should arrange to register in the College of Social Work. Each student will be assigned a member of the faculty of the college as an advisor who will assist in the selection of appropriate courses and ensure that the requirements for the B.A. degree are met. Students who wish special information or a personal interview prior to registration may arrange to register in the College of Social Work.

The principal objective of the undergraduate program is to prepare students for beginning social work practice. Additionally, it prepares students for graduate professional education.

All social work majors have actual experience in the field under faculty direction. These experiences are provided in teaching-learning centers in a variety of agencies located in or adjacent to Lexington.

Courses in social work contribute to the liberal education of all students and help prepare them to be more effective citizens in a complex society in which welfare issues and programs are of increasing importance to everyone.

These courses may serve one or more of the following purposes:

1. To enrich and broaden the knowledge of social problems and social issues.
2. To help develop effective interpersonal relations.
3. To provide basic knowledge of social services to students who are preparing for careers in other helping professions (i.e., special education, rehabilitation, nursing, law, medicine).

Advising
Every student is assigned an academic advisor who assists them in preparing for registration each semester. Undergraduate advisors are assigned by the Director of the Undergraduate Program, 625 Patterson Office Tower, (859) 257-2350.

Undergraduate Admission Policy
Admission to the University of Kentucky is sufficient for admission to the College of Social Work as a premajor. Social work students receive academic advising from the College of Social Work faculty and must successfully complete the premajor course requirements before applying to the BASW degree program. The premajor course requirements are: (SW 124 and SW 222) or SW 322; PSY 100; SOC 101; and BIO 103 or BIO 110.

An application must be filed with the College of Social Work in order for a student to be considered for admission as a major. In general, admission as a major depends upon the qualifications and preparation of the applicant, as well as the availability of resources for maintaining quality instruction.

Admission Criteria to the Bachelor of Arts in Social Work Degree Program
In order to be admitted to the BASW degree program as a major, applicants must fulfill the following requirements:

1. Admission to the University of Kentucky (students are considered for acceptance by the College only after acceptance by the University);
2. A grade of B or better in both SW 124 and SW 222, or equivalent (or a grade of B or better in SW 322);
College of Social Work

Degree Requirements

The College of Social Work requires students to earn a minimum of 120 hours for the B.A. in Social Work with a minimum grade-point average of 2.5. In addition, students must earn a grade of C or better in all professional social work core classes. Students may take additional hours in accordance with stated University policy.

In addition to fulfilling UK Core requirements, students must complete the program requirements listed below.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3

III. Intellectual Inquiry in the Social Sciences
SOC 101 Introduction to Sociology ........................................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
BIO 103 Basic Ideas of Biology .................................................. 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............. 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......... 3

VII. Quantitative Foundations
PHI 120 Introductory Logic .................................................... 3

VIII. Statistical Inference Reasoning
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ........................................ 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ....................................... 3

X. Global Dynamics
Choose one course from approved list ....................................... 3

UK Core Hours ........................................................................ 30

Graduation Writing Requirement
SW 470, required in the Major Requirements, fulfills the Graduation Writing Requirement.

Graduation Writing Requirement Hours: ........................ 3

Premajor Requirements

Hours

PSY 100 Introduction to Psychology ........................................... 4
ECO 101 Contemporary Economic Issues or
ECO 201 Principles of Economics I ........................................... 3
ANT course ............................................................................. 3
one of the following PS courses:
PS 101 American Government
PS 240 Introduction to Political Theory
PS 372 Introduction to Political Analysis
PS 458 American State and Local Government ................. 3
MA 109 College Algebra ......................................................... 3
PHI 120 Introductory Logic ..................................................... 3
SOC 101 Introduction to Sociology ........................................... 3
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning ............................... 3

BIO 103 Basic Ideas of Biology or
BIO 110 Introduction to Human Biology and Health .............. 3

Subtotal: Premajor Hours ......................................................... 28

Premajor Social Work Courses

Hours

*SW 124 Introduction to Social Services and
*SW 222 Development of Social Welfare ................................. 6
*SW 322 Social Work and Social Welfare ................................. 4
*Students who take SW 124 and SW 222 would not take SW 322; students who take SW 122 do so in lieu of SW 124 and SW 222 to meet this premajor requirement.

Subtotal: Premajor SW Hours ................................................. 4-6

Professional Social Work Major Courses

Hours

SW 300 Social Work Practice I .................................................. 4
SW 350 Social Work Practice II:
Survey of Groups .................................................................. 3
SW 400 Social Work Practice III .............................................. 4
SW 421 Human Behavior and Social Environment I ............... 3
SW 422 Human Behavior and the Social Environment II .......... 3
SW 430 Social Welfare Policy:
Theory and Implementation ................................................... 3
SW 435 Foundations of Professional Ethics in Social Work .......... 3
SW 444 Educational Practicum I ............................................. 5
SW 450 Social Work Research .................................................. 4
SW 460 Understanding Behavior From a Socio-Cultural
Perspective: Exploring Explanatory Theories ........................... 4
SW 445 Educational Practicum II ............................................ 8
SW 470 Senior Seminar ......................................................... 3

NOTE: Students must earn a grade of C or better in all Major Requirements courses.

Subtotal: Professional Social Work Major Hours ....................... 47

Social and Behavioral Sciences and Social Work Electives

Students must complete 15 hours of upper-division courses from any of the following: anthropology, economics, family studies, political science, psychology, social work, sociology.

Subtotal: Related Electives ...................................................... 15

Electives

Students must complete at least six hours of upper-division free elective courses and enough lower-division elective hours to lead to the minimum total of 120 hours required for graduation.

Subtotal: Free Electives ........................................................... 120

Probation, Dismissal and Reinstatement Policy

An undergraduate social work major or graduate student may be dismissed from the College of Social Work for failure to make satisfactory progress. In the Social Work program, the college continuously monitors the progress of all social work students. Consistent with University regulations and the CSWE requirements that social work programs have policies for “terminating a student’s enrollment . . . for reasons of academic and professional performance,” the following rules apply in the College of Social Work.

Academic Performance

For students accepted to the Bachelor of Arts in Social Work (BASW) program, the rules for academic probation, dismissal and reinstatement are comparable to those established by the University for undergraduate colleges and also include criteria for student performance in required social work courses:

a. A student must earn a C or better in all social work core courses (SW 300, SW 350, SW 400, SW 421, SW 422, SW 430, SW 435, SW 444, SW 450, SW 460, SW 445, SW 470) in order to complete the major requirements and advance through sequential social work courses. A grade lower than a C will require the student to repeat that course and obtain a C or better to meet major requirements.

b. Any student who fails to maintain a cumulative UK GPA of 2.5 shall be placed on academic probation within the College of Social Work.

c. A student can be removed from academic probation when a cumulative GPA of 2.5 is obtained.

d. A student shall be dismissed from the College who fails to achieve a cumulative GPA of 2.5 or higher within two consecutive semesters of being placed on probation or fails to earn a term GPA of 2.5 or higher for any two consecutive semesters following his/her placement on academic probation.
e. A student who earns a term GPA of 2.5 or higher for each semester following placement on probation will continue in probationary status until a cumulative GPA of 2.5 or higher is obtained.

f. A student may not graduate from the College of Social Work while on academic probation.

g. Students who are on academic probation within the College of Social Work may transfer to other colleges or departments provided the students meet eligibility criteria.

h. A student who has been dismissed from the College for academic reasons and has remained outside the program for at least a semester and a summer session may petition for reinstatement. Petition for reinstatement is to be made in writing to the Dean and shall include a written statement by the student specifying why he/she should be considered for reinstatement. After consultation with the Director of Undergraduate Studies and other faculty as appropriate, the Dean may choose to accept or deny the petition. The Dean may require that the student agree to certain conditions in order to be reinstated (i.e. take additional course work, complete a writing class, obtain tutoring, etc.). The Dean shall inform the student in writing that he/she has been reinstated or reasons for denial of the petition for reinstatement. No student will be readmitted to the College via reinstatement request more than twice.

i. A student who has been dismissed for academic reasons and reinstated shall, upon reinstatement, be placed on academic probation and be subject to the academic performance expectations outlined in this policy.

COURSES FOR NONMAJORS

Students from other departments are eligible to take certain social work courses offered to enrich the content of their basic major and/or to increase their knowledge and understanding of the society of which they are a part. They may take SW 124, Introduction to Social Services; SW 222, Development of Social Welfare; SW 322, Social Work and Social Welfare; and elective social work courses.

GRADUATE PROGRAMS

The College of Social Work offers graduate curricula leading to the Master of Social Work degree and to the Ph.D. in Social Work. The Ph.D. program is offered jointly with the University of Louisville. An MSW is a prerequisite to Ph.D. admission.

Master’s applicants holding the baccalaureate degree in social work may be eligible for the 38-credit advanced standing option. Others will be considered for the regular 60-credit MSW program.

For further information, see The Graduate School Bulletin or the College of Social Work Bulletin.
Michael D. Mullen, Ph.D., is Associate Provost for Undergraduate Education; Don Witt is Vice Provost for Enrollment Management.

ADDITIONAL LEARNING OPPORTUNITIES

There are plenty of ways students can earn credit at the University of Kentucky. To learn more, see the information below. Distance Learning Programs are administered by the Office of the Associate Provost for Undergraduate Education; all other programs are administered by the Assistant Provost for Enrollment Management.

DISTANCE LEARNING PROGRAMS

Distance Learning Programs, a unit of the Teaching and Academic Support Center (TASC), provides a wide variety of faculty and student support services to enable development and delivery of credit courses and programs throughout the Commonwealth of Kentucky and around the world, with over 10,000 enrollments annually. Distance Learning students enroll in 15 full degree programs, over 700 courses, 5 certificates and state-mandated training while residing in over 200 cities and towns in more than 100 Kentucky counties. Distance Learning Programs delivers course work in cooperation with Teaching and Academic Support Center staff, UK academic departments and colleges, and other institutions of higher education statewide and nationally. Available advanced delivery modes include online instruction, interactive video, videoconferencing, videostreaming, Web 2.0 technologies and hybrid models.

Specific support includes:

- online and hybrid course development and support;
- technical coordinators at interactive video and videoconferencing sites;
- extensive distance learning faculty and student support services;
- exploration of new technologies for distance learning delivery/modeling;
- strategic planning with academic units;
- support for collaborative distance learning programming;
- marketing for Distance Learning courses and programs; and
- coordination with Distance Learning Library Services.

For more information on Distance Learning Programs, call (859) 257-3377; or go to: www.uky.edu/DistanceLearning.

SUMMER SCHOOL

The University offers two summer sessions between the spring and fall semesters: a first (four week) summer session in May followed by a second (eight week) summer session beginning in June. There are also some courses with variable terms available within these two sessions. Summer School courses provide educational enrichment and give students the opportunity to accelerate their academic progress. Information regarding admission procedures and Summer School calendar dates are listed in the University Calendar at the front of this Bulletin.

The Summer School Schedule of Classes can be viewed online in early December. For information about summer school, contact:

Summerschool
(859) 257-3382
e-mail: sbsize00@uky.edu
www.uky.edu/Registrar/ss/SSMain.htm

WINTER INTERSESSION

Winter Intersession classes for 2011-2012 begin on December 19, 2011 and end on January 10, 2012. For more information on Winter Intersession courses, please consult the Web site:

www.uky.edu/Winter/
e-mail: asout2@email.uky.edu
(859) 257-8725