College of Arts and Sciences

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 degree 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; economics; English; foreign language and international economics; geography; geological sciences; history; international studies; linguistics; mathematical economics; mathematics; modern and classical languages, literatures and cultures (with tracks in Arabic and Islamic studies, Chinese studies; classics; French and Francophone studies; German studies; Japan studies; and Russian studies) philosophy, physics; political science; psychology; sociology; writing, rhetoric, and digital studies; and topical studies. The College also offers a Bachelor of Arts with these majors: environmental and sustainability studies; gender and women’s studies; health, society, and populations; and Spanish; and a Bachelor of Science with a major in Neuroscience.

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

Undergraduate Certificates in Arts and Sciences

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

- Appalachian Studies
- Peace Studies

Information and requirements for these certificates are listed at the end of this section.

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, faculty, 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 primary A&S majors have an assigned professional academic advisor or faculty advisor. All Arts and Sciences freshmen have an advising hold placed on their record requiring the student to meet with their A&S academic advisor prior to registration each semester. All students are encouraged to meet with their A&S advisor at least once each semester.

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/arj/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 or to schedule an appointment with an advisor, 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 pages 129-130. 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, 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.
Guide to A&S Departmental Honors Requirements

<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>The Honors Program in Anthropology is a research-intensive experience in which students work closely with a faculty mentor. Requirements are: (1) Departmental GPA of 3.5 or better. (2) One upper-division course (300+) in each of the three subdisciplines represented in the department (archaeology, biological anthropology and cultural anthropology). (3) One 600 or 700 level graduate seminar (requires approval of course instructor). (4) Research component designed by the student and faculty mentor.</td>
</tr>
<tr>
<td>Biology</td>
<td>3.5</td>
<td>Biology majors are eligible for Honors in Biology if they: (1) Complete 6 hours of BIO 395. (2) Have an overall 3.5 GPA on graduation. (3) Successfully complete two biology honors (BIO--H) courses or two honors-selected 500 or 600 level Biology (BIO) courses, or a combination of BIO--H and honors-selected 500/600 BIO courses. Each semester the honors-selected 500/600-level BIO courses will be identified by a course note in the course schedule: this note will state “fulfills an Honors in Biology course requirement”. (4) 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 a poster at a professional meeting, a thesis or some form of public presentation approved by the Director of Undergraduate Studies.</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>Chinese Language and Literature</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</td>
</tr>
<tr>
<td>Classics</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</td>
</tr>
<tr>
<td>Earth and Environmental Sciences</td>
<td>3.5</td>
<td>3.3 cumulative GPA and senior thesis or 3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA and a major GPA of 3.2 or above.</td>
</tr>
<tr>
<td>English</td>
<td>3.75</td>
<td>1) 3.75 major GPA or above in courses taken at UK which count toward the English major. (2) At least 8 such courses taken at UK (i.e., not transferred). (3) Successful completion of at least one designated ENG honors seminar with a grade of B or higher.</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>German</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</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>
</tbody>
</table>

– continued on next page –
## Guide to A&S Departmental Honors Requirements, continued

<table>
<thead>
<tr>
<th>Major</th>
<th>Cumulative GPA</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<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 301 and HIS 499.</td>
</tr>
<tr>
<td>International Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>Japanese Language and Literature</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.75 or above.</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, plus a senior thesis. Students are encouraged to enroll in PHI 395 for support in writing the senior thesis.</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 3-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>(1) 3.5 cumulative GPA. (2) At least 6 hours of Honors credit in Political Science course work, usually taken in special sections of the introductory lecture courses. (3) At least a B grade in PS 372, which should be taken no later than the second semester of the junior year. And (4) A qualifying honors thesis submitted to the Director of Undergraduate Studies no later than midterm of the semester in which the student intends to graduate. Students normally fulfill the thesis requirement by taking PS 490, Honors in Political Science, offered during the fall 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 major GPA of 3.75 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>
<tr>
<td>Writing, Rhetoric, and Digital Studies</td>
<td>3.5</td>
<td>3.5 or above cumulative GPA and major GPA of 3.5 or above and GPA of 3.5 or above in 400-level WRD courses.</td>
</tr>
</tbody>
</table>
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 College. Students should begin their inquiries and/or discussions in the UK Disability Resource Center, 102 Alumni Gym.

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 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 College 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 the A&S Advising Center, (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 DEGREE

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 (all options include American Sign Language). 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:
      i. satisfy the third and fourth semester of a college-level sequence in one language by successfully completing each semester course, or by demonstrating equivalent competency on a departmentally approved placement exam; or
      ii. successfully complete three college-level semester courses in one language and two college-level semester courses in a second language. (Two or more years of a foreign language in secondary school, as indicated on transcripts, are considered equal to two college-level semester courses); or demonstrate equivalent competency on a departmentally approved placement exam; or
   b. Courses taken to satisfy options i or ii above may not be taken pass/fail or audit; or
   c. 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; or
   d. 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
   e. International students, excluding native speakers of English, automatically fulfill this requirement; or
   f. International students who graduated from a U.S. high school and are unable to provide proficiency exam results may petition the College for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.

   1. Students must take six college hours in disciplines in the natural sciences.
   2. Students must take six college hours in disciplines in the social sciences.
   3. Students must take six college hours in disciplines in the humanities.
   4. Complete at least 120 credit hours in courses acceptable to the College of Arts and Sciences.
   5. Complete at least 90 credit hours in Arts and Sciences courses.
   6. Complete at least 39 credit hours in courses numbered at or above the 300 level.
   7. 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.)
   8. Attain an overall grade-point average of at least 2.0.
   9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor courses).
   10. 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.
   11. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

†See College Core Requirements for B.A. and B.S. Degree 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:
College of Arts and Sciences

a. Foreign Language Requirement. Students must satisfy one of the following options (all 
opptions include American Sign Language).
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:
   i. satisfy the third and fourth semester of a 
college-level sequence in one language 
by successfully completing each semes-
ter course, or by demonstrating equiva-

cent competency on a departmentally ap-
proved placement exam; or
   ii. successfully complete three college-level 
semester courses in one language 
and two college-level semester courses in a 
second language. (Two or more years of 
a foreign language in secondary school, 
as indicated on transcripts, are consid-
ered equal to two college-level semester 
courses); or demonstrate equivalent com-

cpetency on a departmentally approved 
placement exam; or

Courses taken to satisfy options i or ii 
above may not be taken pass/fail or audit; or

iii. To demonstrate your proficiency in a 
language not taught at UK, contact the 
Office of International Affairs with re-
gard to taking a proficiency exam. You 
are responsible for any costs related to 
testing; or

iv. If you have a specific language-learning 
disability that is certified through the UK 
Disability Resource Center, you may pe-
tition the College for a substitution of 
course work in lieu of completing the 
language courses normally taken for the 
foreign language requirement; or

v. International students, excluding native 
speakers of English, automatically fulfill 
this requirement; or

vi. International students who graduated from 
a U.S. high school and are unable to 
provide proficiency exam results may 
petition the College for a waiver of the 
College foreign language requirement; students 
must provide official documenta-
tion establishing that English is their 
second language.

b. Students must take three college hours in 
disciplines in the natural sciences.†

c. Students must take three college hours in 
disciplines in the social sciences.†

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.²

4. Complete at least 90 credit hours in Arts 
and Sciences courses.³

5. Complete at least 60 credit hours in the 
physical, biological and/or mathematical sci-

ences.⁴

6. Complete at least 39 credit hours within the 
major. At least 24 of these hours must be at 
or above the 300 level.

7. Complete at least one course that includes 
some laboratory or field experience. (See 
the description of the College Laboratory 
Field Experience Requirement which 
follows.)

8. Attain an overall grade-point average of at 
least 2.0.

9. Attain a grade-point average of at least 2.0 
in all major requirements courses (including 
all premajor requirements).

10. Complete a minimum of six credit hours of 
free electives. These college electives can-
not be counted towards UK Core or any 
other Arts and Sciences major or college 
requirements.

11. Complete University graduation require-
ments, the Graduation Writing Require-
ment, and the residence requirement.

†See College Core Requirements for B.A. and B.S. 
Degree 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 
toward 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/PHS 320 is not included in this 16 hour 
limit.

   d. A maximum of 12 semester credit hours earned in 
experience 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 College 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 Uni-
versity 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 ap-
proval from the Director of Undergraduate Studies/ 
Program Director and the College.

   i. Courses with an “S” grade designation or a “place 
holder” designation such asNSE (National Student 
Exchange) for 1 credit hour cannot be counted as 
credit toward a bachelor’s degree in Arts & Sciences. 
ISP 599, 1 credit hour, can count towards the A&S 
“hours” requirements for the degree.

³See College Core Requirements for B.A. and B.S. 
Degree for the purpose of completing the 39 hours needed for the 
degree.

5. The following courses will count toward the required 60 
credit hours in the physical, biological and/or mathematical 

ences 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; DHN 101; ECO 391; 
GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; 
PHI 120 and PHI 320; PST 215, PST 216, PST 312, PST 456, 
and PST 565; and ANT 230, 332, and 333.

College Core Requirements for B.A. 
and B.S. Degree

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 paral-
lel 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 pre-
fixes: AST, BIO, CHE, EES, 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.

   ANA 209
   ANT 230, 332, 333, 335
   CGS 500
   DHN 101
   ENS 200, 400
   ENT 110, 300
   GEO 130, 135, 230, 351, 451G, 530
   PHY 206
   PSY 104
   PYS 312, 456, 459, 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 require-
ment, accumulating credit hours until the minimum has 
been fulfilled. This option applies to all Arts and Sciences 
students regardless of where the course work was com-
pleted (e.g., main campus or transfer credit).

Social Sciences

1. All courses offered by Arts and Sciences departments or 
programs within the disciplines of the social sciences 
including courses with the following departmental pre-
fixes: ANT, APP, GEO, GWS, IAS, PS, PSY, 
SOC if content is designated as a social science; also, see 
#3 below.
The following courses may also be used to satisfy the social sciences area: GWS 201, PSY 459.

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, MCL, 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 area:
   - AAS 200, 235, 326, 328, 336, 417G, 432, 471
   - ANT/ENG/LIN 515
   - ANT/ENG/LIN 516
   - ANI 102, 101, 519
   - JPN 321
   - CGS 500
   - ENS 200, 400
   - GEO/JPN 334
   - GEO/JPN 551

3. The following courses may NOT be used in the social sciences area: WRD 203, 204, 205, 306

Social and Behavioral Sciences
- Anthropology – ANT 541, 585
- Geography – GEO 406
- 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 concentration in the College of Arts and Sciences consists of at least a 39-credit-hour program, referred to as the “major requirements.”

Each department or program has specified the requirements for their majors, as listed in this Bulletin under each relevant heading and as outlined in APEX (the electronic degree audit system) at: myuk.uky.edu/irj/portal.

Aside from any exceptions explicitly approved by the Arts and Sciences Educational Policy Committee and the Undergraduate Council, however, major requirements must conform to the following restrictions:
1. A total of 39 credits is required in the major requirements.
2. Courses electively taken pass-fail will not count toward UK Core, major/minor, or College requirements.
3. At least 24 credits must be in courses at the 300 level or above.
4. A minimum of 18 credits in a department, taken at the 200 level or above, is required for a major.
5. 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 which 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.

More for information, contact the Arts and Sciences Topical Studies advisor in the A&S Advising Center (311 Patterson Office Tower); 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 allows a maximum of 15 hours of course work to overlap 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 degree), 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 degree; and by completing all college requirements of both degree. 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 allows a maximum of 15 hours of course work to overlap between two majors. The student must indicate his/her double degree in his/her primary college. The student may elect to receive the degree simultaneously, if college and departmental requirements can be met simultaneously. For information regarding double degree (not the same as double 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
- creative writing
- criminology
- economics
- English
- gender and women’s studies
- geography
- geology
- history
- international studies
- linguistics
- mapping and GIS
- mathematics
- microbiology
- modern and classical languages, literatures and cultures
- neuroscience
- philosophy
- physics
- political science
- professional and technical writing
- psychology
- sociology
- Spanish
- statistics
- writing, rhetoric and digital media

Interdisciplinary minors are also available in:
- African American studies
- American studies
- Appalachian studies
- cognitive science
- environmental studies
- Indian culture
- Jewish studies
- Latin American, Caribbean, and Latino 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, please review the requirements in the 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 6 hours of technical course work taken at any accredited institution including KCTCS. Beyond these 6 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 nonmajor 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 1 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 degree.
Admission to the Program
Non-scholarship freshmen and sophomores may register for Air Force Studies (AFS) courses without incurring a military commitment. Students with a minimum of five semesters of school remaining in a graduate or undergraduate status may qualify for Air Force ROTC. For more information, call (859) 257-7115.

Requirements
An academic major in aerospace studies is not offered. However, by successfully completing the Air Force ROTC program, a qualified student may concurrently earn a commission as an active duty Air Force Second Lieutenant while completing requirements for a degree. Students may enroll in some Aerospace Studies courses without joining the Air Force ROTC cadet corps. For more information, call (859) 257-7115.

AFROTC Curriculum
The AFROTC curriculum consists of both academic classes and leadership laboratory or seminar classes. The General Military Course (GMC) is a two-year course normally taken during the freshman and sophomore years. The Professional Officer Course (POC) is a two-year course normally taken during the junior and senior years. Along with academic classes each semester, all cadets also take leadership laboratory classes.

In the GMC, there are four academic classes (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 1-credit-hour course in the cadet corps training program designed to simulate a typical Air Force organization and its associated functions. This course is known as Leadership Laboratory. 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.

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 subdisciplines: cultural anthropology, physical anthropology and archaeology. It also allows sufficient flexibility for a student to concentrate on a specific area of interest.

Visit our Web site at: http://anthropology.as.uky.edu/

Bachelor of Arts with a major in ANTHROPOLOGY

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 131.

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
One of the following:
ANT 160 Cultural Diversity in the Modern World .......................... 3
ANT 222 Middle East Cultures .................................................. 3
ANT 225 Culture, Environment and Global Issues ......................... 3
ANT 241 Origins of Old World Civilization .................................. 3
ANT 242 Origins of New World Civilization .................................. 3
ANT 311 Anthropology of Globalization ........................................ 3
ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present .... 3
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change .......................... 3

One course from approved list .................................................. 3

UK Core hours: ................................................................. 30

Graduation Composition and Communication Requirement (GCCR)
ANT 582 Senior Integrative Seminar ........................................ 3

Graduation Composition and Communication Requirement hours (GCCR) .................................................. 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
College of Arts and Sciences

Major Requirements

ANT 220 Introduction to Cultural Anthropology ........ 3
ANT 230 Introduction to Biological Anthropology ....... 3
ANT 240 Introduction to Archaeology ...................... 3
ANT 582 Senior Integrative Seminar ....................... 3

Anthropology Electives

21 hours. No more than 3 hours at the 100 level; at least 15 hours at the 300+ level. The student chooses electives according to specific interests within anthropology and in consultation with advisors ......................... 21

From Outside the Major Department

Choose 6 hours outside Anthropology at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here ...................................................... 6

Subtotal: Major requirements: ......................... 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 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 131-132.

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 What Makes Us Human? Intro to Anthropology
or
ANT 102 Archaeology: 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 Inference 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 241 Origins of Old World Civilization
ANT 242 Origins of New World Civilization
ANT 311 Anthropology of Globalization
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 Composition and Communication Requirement (GCCR)

ANT 582 Senior Integrative Seminar ....................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements

I. Foreign Language (placement exam recommended) ......................... 0-14

II. Disciplinary Requirements

a. Natural Science (completed by Premajor Requirement)

b. Social Science (completed by Premajor Requirement)

c. Humanities .................................................. 3

III. Laboratory or Field Work (can be completed by Major Requirement)

IV. Electives ................................................................

College Requirement hours: ......................... 9-23

Major Requirements

ANT 220 Introduction to Cultural Anthropology ........ 3
ANT 230 Introduction to Biological Anthropology ....... 3
ANT 240 Introduction to Archaeology ...................... 3
ANT 582 Senior Integrative Seminar ....................... 3

Anthropology Electives

21 hours. Can include up to 3 hours at the 100 level and must include at least 15 hours at the 300+ level. The student chooses electives according to specific interests within anthropology and in consultation with advisors ........... 21

From Outside the Major Department

Choose 6 hours outside Anthropology at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here ...................................................... 6

Subtotal: Major requirements: ......................... 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.

Minor in Anthropology

The minor in Anthropology requires 21 hours of course work to include:

Preminor Courses (9 hours)

Students must take ANT 220, 230, 240.

Additional Courses (12 hours)*

Students must take four ANT courses from at least two subdisciplines. Two courses must be at the 200 level or above and two courses must be at the 300 level or above.

*ANT 350, 399, 580, 581 and other ANT courses not listed here may be used to fulfill the Additional Courses requirement with the consent of the Director of Undergraduate Studies.

Courses taken to meet a requirement in one area cannot be used to meet a requirement in another area of the minor.

BIOLOGY

To address the breadth and depth essential to educating biologists, the biology major is structured to include both a broad foundation through core courses and opportunity for specialization within a biological subfield through biology electives. The major is designed to prepare the student for a post-baccalaureate profession in biology, for advanced professional training in the health sciences, or for graduate study in basic and applied areas of the biological sciences.

Bachelor of Arts with a major in BIOLOGY

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 131.

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 What Makes Us Human? Intro to Anthropology
or
ANT 102 Archaeology: 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 Inference 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 241 Origins of Old World Civilization
ANT 242 Origins of New World Civilization
ANT 311 Anthropology of Globalization
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 Composition and Communication Requirement (GCCR)

ANT 582 Senior Integrative Seminar ....................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements

I. Foreign Language (placement exam recommended) ......................... 0-14

II. Disciplinary Requirements

a. Natural Science (completed by Premajor Requirement)

b. Social Science (completed by Premajor Requirement)

c. Humanities .................................................. 3

III. Laboratory or Field Work (can be completed by Major Requirement)

IV. Electives ................................................................

College Requirement hours: ......................... 9-23

Major Requirements

ANT 220 Introduction to Cultural Anthropology ........ 3
ANT 230 Introduction to Biological Anthropology ....... 3
ANT 240 Introduction to Archaeology ...................... 3
ANT 582 Senior Integrative Seminar ....................... 3

Anthropology Electives

21 hours. Can include up to 3 hours at the 100 level and must include at least 15 hours at the 300+ level. The student chooses electives according to specific interests within anthropology and in consultation with advisors ........... 21

From Outside the Major Department

Choose 6 hours outside Anthropology at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here ...................................................... 6

Subtotal: Major requirements: ......................... 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.
VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .......................... 3

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

VIII. Statistical Inference
STA 296 Statistical Methods and Motivations .......................... 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

Graduation Composition and Communication Requirement (GCCR)
BIO 350 Animal Physiology and
BIO 425 Biology Seminar (Subtitle required) .......................... 5 or
WRD 204 Technical Writing ........................................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................................. 3-5

College Requirements
In 100-level 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 and College hours: .................................. 57 (45)

Premajor Requirements
BIO 148 Introductory Biology I ........................................... 3
BIO 152 Principles of Biology II ........................................... 3
BIO 155 Laboratory for Introductory Biology I or
BIO 198 Scholars Biology Research .................................. 1-2
CHE 105 General College Chemistry I .................................. 4
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 .......................... 4
Free Elective .......................................................... 0-1

Premajor hours: .................................................. 21
*The CHE 105 requirement can be satisfied with CHE 199 and CHE 110.

Major Requirements
Minimum major requirement for graduation is 54 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 or
BIO 430G Plant Physiology ........................................... 4
BIO 315 Introduction to Cell Biology .................................. 4
BIO 325 Ecology ...................................................... 4 plus:
STA 296 Statistical Methods and Motivations .......................... 3
BIO 425 Biology Seminar (Subtitle required) or
BIO 499 Biology Research Seminar .................................. 1

Core hours: .................................................. 20

Other Course Work Required for the Major
From Outside the Major Department
CHE 236/231 Survey of Organic Chemistry/ Organic Chemistry Laboratory I or
CHE 230/231 Organic Chemistry I-Laboratory I .......................... 4
*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: .................................................. 7-9 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: 14 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 – A maximum of 3 credits of independent research course work 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: 14 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 – A maximum of 6 credits of independent research course work may be used in this section.

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

Acceptable biology electives from outside the Department.

Hours to be chosen from 300+ level BIO courses or the list below. Note: ANA 209, BIO 208, BIO 209, BIO 210 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (for example BIO 425, BIO 426, BIO 427) may be counted within this elective requirement.

Acceptable upper-level electives for the B.A. in Biology:
BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (BIO 208, BIO 209 and BIO 210 CANNOT be used to satisfy the upper-level requirement for the B.A., B.S. or minor in 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
EES 401G
ENT 310, 320, 402, 460, 561, 564, 568
FOR 340*, 375*, 402*
FSC 330*
MI 494G, 595*, 598
NRE 320, 420G*, 450G, 455G
PGY 4120, 560, 590/PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G
PLS 320*, 330*, 336*, 366, 450G, 502, 566, 567*
PPA 400G*
PSY 456, 459, 552, 565
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

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

*Lab courses that satisfy upper-level lab requirement.

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

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 131-132.

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

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Major Requirements

Minimum major requirement for graduation is 56 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 430G Plant Physiology 4
- STA 296 Statistical Methods and Motivations 3
- BIO 425 Biology Seminar (Subtitle required) 1
- 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 1
- CHE 232 Organic Chemistry II 3
- PHY 211 General Physics
- or
- PHY 231/241 General University Physics/Laboratory AND
- PHY 213 General Physics
- or
- PHY 232/242 General University Physics/Laboratory 10

**Biology Electives**

Choose 15 hours of acceptable biology electives 15
15 hours to be chosen from 200+ level BIO courses (excluding BIO 208) or the list below. One course must have lab, one of which may be BIO 395. A maximum of 6 hours of Independent Research course work from biological sciences departments may be counted within the 15 hour requirement. **NOTE:** ANA 209, BIO 208, BIO 209, BIO 210 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (ex. BIO 425, BIO 426, BIO 427) may be counted within the 15 hour requirement.

**Other Major hours:** ................................. 32

Acceptable upper-level electives for the B.S. in Biology:

- BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (BIO 208, BIO 209 and BIO 210 CANNOT be used to satisfy the upper-level elective requirement for the B.A., B.S. or minor in 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
- EES 401G
- EMT 310, 320, 402, 460, 561, 564, 568
- FOR 340*, 375*, 402*
- FSC 530*
- MI 494G, 595*, 598
- NRE 320, 420G*, 450G, 455G
- PGY 412G, 560, 590 (PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G)
- PL S 320*, 330*, 332*, 366, 450G, 502, 566, 567*
- PPA 400G*
- PSY 456, 459, 552, 565
- 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 309

**Minor in Biological Sciences**

The minor in Biological Sciences consists of 21 hours of course work to include:

**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 200+ level BIO courses or other courses from the approved list. Up to 3 hours of life science independent research course work can be counted here.

**Approved list:**

(Notes: BIO 208, BIO 209 and BIO 210 CANNOT be used to satisfy the upper-level elective requirement for the Minor in Biology.)

**ANT 332**


**EES 401G**

**A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)**

**PSY 456, 459, 552, 565**

**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.)**

**ABT 460**

**ASC 364, 378**

**ENT 310, 320, 402, 460, 561, 564, 568**

**FOR 340, 375, 402**

**FSC 530**

**NRE 320, 420G, 450G, 455G**

**PGY 412G, 560, 590 (PGY 412G is acceptable as an elective for upper-level biology credit but does NOT substitute for BIO 350 or BIO 430G)**


**PPA 400G**

**PSY 456, 459, 552, 565**

**STA 570, 580**

**TOX 309**
Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology.

**Minor in Microbiology**

**NOTE:** At the time of publication, the minor in Microbiology had been approved by the Senate and was awaiting approval by the UK Board of Trustees.

The minor in Microbiology consists of a total of 19 hours as follows:

**Minor Requirements**

- BIO 308 General Microbiology ............................................. 3
- BIO 309 Microbiology Laboratory ........................................... 2
- BCH 401G Fundamentals of Biochemistry or BIO 315 Introduction to Cell Biology ......................... 3-4
- CHE 550 Biological Chemistry I or CHE 552 Biological Chemistry II ........................................ 3

One course from the following:
- BIO/MI 494 Immunobiology ................................................. 3
- BIO/MI 495G Bacterial Pathogenesis ..................................... 3
- BIO/MI 582 Virology ............................................................ 3

If more than one course is taken from this list, the additional course(s) would count as an elective for the minor.

**Minor Electives**

Select 7 or 8 hours of electives (to make a total of 19 hours for the minor) from:
- BIO 397 Research in Microbiology ........................................ 1-3
- BIO 427 Seminar in Microbiology (Subtitle required) ............ 1
- BIO/ENT 461 Introduction to Population Genetics ................. 3
- CPH 310 Disease Detectives: Epidemiology in Action ........... 3
- FSC 530 Food Microbiology ................................................. 5
- PLS 566 Soil Microbiology ................................................. 3
- PLS 567 Methods in Soil Microbiology ................................ 3
- PPA 500 Physiology of Plant Health and Disease ................ 3

Other microbiology-related courses at the 300-level or above, as approved by DUS in Biology.

**Total Hours: ................................................................. 18**

**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 degree.

**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 131.

**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

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

CHE 105 General College Chemistry I .................................. 4
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: .......................................................... 33**

**Graduation Composition and Communication Requirement (GCCR)**

CHE 372 Communication in Chemistry I ............................... 1
CHE 472 Communication in Chemistry II ............................... 1

**Graduation Composition and Communication Requirement hours (GCCR): ....................................................... 2**

**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)
- IV. Electives ........................................................................... 6

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

**Premajor Requirements**

- *MA 113 Calculus I or MA 132 Calculus for the Life Sciences ........... 4
- MA 114 Calculus II ............................................................. 4
- *CHE 105 General College Chemistry I .................................. 4
- 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: .............................................................. 18**

**Major Requirements**

**Major Core Requirements**

CHE 226 Analytical Chemistry ............................................. 3
CHE 230 Organic Chemistry I .............................................. 3
CHE 231 Organic Chemistry Laboratory I ............................. 1
CHE 232 Organic Chemistry II ............................................ 3
CHE 233 Organic Chemistry Laboratory II ............................ 1
CHE 372 Communication in Chemistry I ............................... 1
CHE 440G Introductory Physical Chemistry .......................... 4
CHE 441 Physical Chemistry Laboratory ............................... 2
CHE 472 Communication in Chemistry II ............................. 1

**Major Core hours: .......................................................... 19**
Other Course Work Required for the Major

**Chemistry Major Field Options**

Choose 21 hours at the 300-500 level with a prefix of ANA, BCH, BIG, CHE, CME, CS, EES, MA, MI, MSE, PAT, POY, PHA, PHR, 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 231/232 General University Physics

*PHY 241/242 General University Physics Laboratory

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**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHE 105 General College Chemistry I</td>
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<td>CHE 111 Laboratory to Accompany General Chemistry I</td>
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<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
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<tr>
<td>MA 113 Calculus I</td>
<td>4</td>
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<tr>
<td>CHE 107 General College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 113 Laboratory to Accompany General Chemistry II</td>
<td>2</td>
</tr>
<tr>
<td>MA 114 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 111 Composition and Communication II</td>
<td>3</td>
</tr>
<tr>
<td><strong>UK Core</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHE 230 Organic Chemistry I</td>
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<tr>
<td>CHE 231 Organic Chemistry Laboratory I</td>
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<tr>
<td>PHY 211 Physical Physics</td>
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<tr>
<td>STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning</td>
<td>3</td>
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<td><strong>UK Core</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>CHE 226 Analytical Chemistry</td>
<td>3</td>
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<td>CHE 232 Organic Chemistry II</td>
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<td>PHY 213 General Physics</td>
<td>5</td>
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<td>A&amp;S Humanities/Social Science</td>
<td>3</td>
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<tr>
<td><strong>Junior Year</strong></td>
<td>2</td>
</tr>
<tr>
<td>CHE 440G Introductory Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language I</td>
<td>4</td>
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<tr>
<td><strong>UK Core</strong></td>
<td>3</td>
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<td><strong>Second Semester</strong></td>
<td>3</td>
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<tr>
<td>CHE 441 Physical Chemistry Laboratory</td>
<td>2</td>
</tr>
</tbody>
</table>

**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 131-132.

**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 | 4 |
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:** .......... 33

**Graduation Composition and Communication Requirement (GCCR)**

CHE 372 Communication in Chemistry I | 1 |
CHE 472 Communication in Chemistry II | 2 |

**Graduation Composition and Communication Requirement hours (GCCR)** | 2

**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) 3

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 | 4

*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:** .......... 18

**Major Requirements**

**Major Core Requirements**

CHE 226 Analytical Chemistry | 3

CHE 230 Organic Chemistry I | 3

CHE 231 Organic Chemistry Laboratory I | 1

CHE 232 Organic Chemistry II | 3

CHE 372 Communication in Chemistry I | 1

CHE 410G Inorganic Chemistry | 2

CHE 412 Inorganic Chemistry Laboratory | 2

CHE 422 Instrumental Analysis | 4

CHE 441 Physical Chemistry Laboratory | 2

CHE 442G Thermodynamics and Kinetics | 3

CHE 472 Communication in Chemistry II | 1

CHE 532 Spectrometric Identification of Organic Molecules | 2

CHE 533 Qualitative Organic Analysis Laboratory | 2

CHE 547 Principles of Physical Chemistry | 3

CHE 550 Biological Chemistry I | 3

CHE 552 Biological Chemistry II | 3

**Major Core hours:** .......... 35

**Other Course Work Required for the Major**

From the Major Department:

Chemistry Major Field Options 6

Choose 6 hours from the following: up to 6 hours of CHE 395,
any CHE 500-level course except for those required (CHE 422/532/533/ [550 or 552]); 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

First Semester
CHE 105 General College Chemistry I ................................ 4
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 II ...................................................... 4
CIS/WRD 111 Composition and Communication II ............ 3
UK Core ....................................................................... 3

Sophomore Year

First Semester
CHE 226 Analytical Chemistry ......................................... 3
CHE 230 Organic Chemistry I ......................................... 3
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 ....................... 1
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

First Semester
CHE 547 Principles of Physical Chemistry I ..................... 3
CHE 532 Spectrometric Identification of
Organic Molecules ...................................................... 2
Foreign Language I* .................................................... 4
STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning ....................... 3
A&S Humanities/Social Science ................................... 3

Second Semester
CHE 410G Inorganic Chemistry ...................................... 2
CHE 441 Physical Chemistry Laboratory ......................... 2
CHE 442G Thermodynamics and Kinetics ....................... 3
CHE 533 Qualitative Organic Analysis Laboratory .......... 2
CHE 372 Communication in Chemistry I ......................... 1
Foreign Language II* .................................................... 4
A&S Humanities/Social Science .................................... 3

Senior Year

First Semester
CHE 412 Inorganic Chemistry Laboratory ....................... 2
CHE 422 Instrumental Analysis ...................................... 4
CHE 550 Biological Chemistry I
or Major Field Option ................................................ 3
Major Field Option ..................................................... 3
Foreign Language III* .................................................. 3

Second Semester
CHE 472 Communication in Chemistry II ....................... 1
CHE 552 Biological Chemistry II
or Major Field Option ................................................ 3
UK Core ....................................................................... 6

*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 131-132.

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 ......................... 4
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: .............................................................. 33

Graduation Composition and Communication Requirement (GCCR)
CHE 372 Communication in Chemistry I ....................... 1
CHE 472 Communication in Chemistry II ....................... 1

Graduation Composition and Communication Requirement hours (GCCR) ........................................... 2

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 ......................... 4
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

Bachelor of Science with a major in CHEMISTRY

Premajor hours: ............................................................. 28

*BIO 135, Laboratory for Introductory Biology I, has replaced
BIO 151 and BIO 153 as the premajor BIO lab requirement.

Major Requirements

Major Core Requirements
CHE 226 Analytical Chemistry ......................................... 3
CHE 230 Organic Chemistry I ......................................... 3
CHE 231 Organic Chemistry Laboratory I ....................... 1
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 372 Communication in Chemistry I ....................... 1
CHE 410G Inorganic Chemistry ...................................... 2
CHE 412 Inorganic Chemistry Laboratory ....................... 2
CHE 440G Introductory Physical Chemistry .................... 4
CHE 441 Physical Chemistry Laboratory ....................... 2
CHE 454 Biological Chemistry Laboratory .................... 2
CHE 472 Communication in Chemistry II ..................... 1
CHE 422 Instrumental Analysis or
CHE 532/533 Spectrometric Identification of Organic
Molecules/Qualitative Organic Analysis Laboratory .......... 3
CHE 550 Biological Chemistry I ..................................... 3
CHE 552 Biological Chemistry II .................................. 3

Major Core hours: ......................................................... 37-38

Other Course Work Required for the Major

From the Major Department:
Chemistry 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHE 105 General College Chemistry I</td>
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<tr>
<td>CHE 111 Laboratory to Accompany</td>
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<tr>
<td>General Chemistry I</td>
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<td>MA 113 Calculus I</td>
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<td>CIS/WRD 110 Composition and Communication I</td>
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Second Semester

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<th>Course</th>
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<td>CHE 107 General College Chemistry II</td>
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<td>CHE 113 Laboratory to Accompany</td>
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<td>General Chemistry II</td>
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<tr>
<td>MA 114 Calculus II</td>
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<tr>
<td>BIO 148 Introductory Biology I</td>
<td>3</td>
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<td>BIO 151 Principles of Biology Laboratory I</td>
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<tr>
<td>CIS/WRD 111 Composition and Communication II</td>
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Sophomore Year

<table>
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<tr>
<td>CHE 230 Organic Chemistry I</td>
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<td>BIO 152 Principles of Biology II</td>
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<td>MA 213 Calculus III</td>
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<td>PHY 231 General University Physics</td>
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<td>PHY 241 General University Physics Laboratory</td>
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Second Semester

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<th>Course</th>
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<tbody>
<tr>
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<td>CHE 232 Organic Chemistry II</td>
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<td>CHE 226 Analytical Chemistry</td>
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<td>PHY 232 General University Physics</td>
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<tr>
<td>PHY 242 General University Physics Laboratory</td>
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<td>UK Core</td>
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Junior Year

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>*CHE 440G Introductory Physical Chemistry</td>
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<td>CHE 422 Instrumental Analysis</td>
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<tr>
<td>or CHE 532 Spectrometric Identification of Organic Molecules</td>
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<td>CHE 550 Biological Chemistry I</td>
<td>3</td>
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<td>A&amp;S Humanities/Social Science</td>
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<td>UK Core</td>
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Second Semester

<table>
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<td>CHE 410G Inorganic Chemistry</td>
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<tr>
<td>CHE 454 Biological Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHE 533 Qualitative Organic Analysis Laboratory (if CHE 532 taken)</td>
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<tr>
<td>CHE 552 Biological Chemistry II</td>
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BIO 304 Principles of Genetics
or
BIO 308 General Microbiology
or
BIO 315 Introduction to Cell Biology


Senior Year

First Semester

<table>
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<th>Course</th>
<th>Hours</th>
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<td>CHE 412 Inorganic Chemistry Laboratory</td>
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<td>Major Field Option</td>
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<td>CHE 372 Communication in Chemistry I</td>
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<td>A&amp;S Humanities/Social Science</td>
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<tr>
<td>UK Core</td>
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</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>CHE 441 Physical Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Major Field Option</td>
<td></td>
</tr>
<tr>
<td>CHE 472 Communication in Chemistry I</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language**</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

*CHE 442G may be substituted for CHE 440G.

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

BIO 155, Laboratory for Introductory Biology I, has replaced BIO 151 and BIO 153 as the BIO lab requirement.

Certification Requirements

The B.S. degree is certified by the American Chemical Society.

Minor in Chemistry

The minor in Chemistry requires the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 113 Calculus I or</td>
<td>4</td>
</tr>
<tr>
<td>MA 132 Calculus for the Life Sciences</td>
<td></td>
</tr>
<tr>
<td>MA 114 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 211/213 General Physics or</td>
<td>10</td>
</tr>
<tr>
<td>PHY 231/241 General University Physics and Laboratory and</td>
<td></td>
</tr>
<tr>
<td>PHY 232/242 General University Physics and Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>CHE 105/107 General College Chemistry I and II</td>
<td>7</td>
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<tr>
<td>CHE 111/113 Laboratory to Accompany General Chemistry I and II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 226 Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHE 230/231 Organic Chemistry I and Laboratory I</td>
<td>4</td>
</tr>
<tr>
<td>CHE 232/233 Organic Chemistry II and Laboratory II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 440G Introductory Physical Chemistry or</td>
<td>4</td>
</tr>
<tr>
<td>CHE 446G Physical Chemistry for Engineers</td>
<td>3</td>
</tr>
</tbody>
</table>


EARTH AND ENVIRONMENTAL SCIENCES

The earth and environmental sciences encompass a wide variety of studies of our planet, including the study of its composition, structure, prehistoric life, internal and surficial processes, and history. These studies have important implications for understanding how our planet functions, as well as for understanding the interactions between humans and their environment. The discipline includes numerous applications in the discovery and use of mineral, energy, and water resources; in the protection and restoration of the environment; and in planning for the impacts of natural hazards (earthquakes, landslides, etc.) and climate change on global 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 Geological Sciences. 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 public 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 GEOLOGICAL SCIENCES

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 131.

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

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

Fulfilled by Premajor Requirement – MA 123 or MA 113

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: .................................................... 24
Graduation Composition and Communication Requirement (GCCR)
EES 235 Fundamentals of Geology I ............................... 3
EES 461 Igneous and Metamorphic Petrology .................. 4
Graduation Composition and Communication Requirement hours (GCCR) ................................. 7

College Requirements
I. Foreign Language (placement exam recommended) ...................................................... 0-14
II. Disciplinary Requirements
   a. Natural Science (completed by Major Requirements) .................................................. 6
   b. Social Science (can be partially fulfilled by Major Requirements) .............................. 6
   c. Humanities .................................................................................................................. 6
   III. Laboratory or Field Work (completed by Premajor Requirement) .............................. 6
   IV. Electives ...................................................................................................................... 6
College Requirement hours: .............................................. 18-32

Premajor Requirements
*CHE 105 General College Chemistry I ........................................ 4
*CHE 111 Laboratory to Accompany General Chemistry I ................................................. 4
EES 220 Principles of Physical Geology ........................................ 4
EES 295 Geoscience Orientation .................................................. 1
*MA 123 Elementary Calculus and its Applications or
   *MA 113 Calculus I ........................................................................................................ 4
*PHY 211 General Physics or
   *PHY 231/241 General University Physics/Lab .......................................................... 5
Premajor hours: ........................................................... 19

Major Requirements
Major Core Requirements
EES 230 Fundamentals of Geology I ........................................ 3
EES 235 Fundamentals of Geology II ......................................... 3
EES 350 Regional Historical Geology ........................................ 3
EES 360 Mineralogy ................................................................. 4
EES 420G Structural Geology ...................................................... 4
EES 450G Sedimentary Geology .................................................. 4
EES 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 6 hours of EES courses at the 400+ level, not to include EES 495 or 496
Elective II ............................................................. 6
Choose 6 additional hours of 300+ EES or related courses
NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY and EES Elective II Requirements .................................................................................................................. 3-14
Other Major hours: ......................................................... 0-17
Total Minimum Hours Required for Degree ................................. 120
*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in GEOLOGICAL SCIENCES
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 131-132.

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
   Fulfilled by Premajor Requirement – CHE 105/CHE 111
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
   Fulfilled by Premajor Requirement – MA 113
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: .......................................................... 24
Graduation Composition and Communication Requirement (GCCR)
EES 235 Fundamentals of Geology II ........................................ 3
EES 461 Igneous and Metamorphic Petrology ......................... 4
Graduation Composition and Communication Requirement hours (GCCR) ................................. 7

College Requirements
I. Foreign Language (placement exam recommended) ...................................................... 0-14
II. Disciplinary Requirements
   a. Natural Science (completed by Major Requirements) .................................................. 6
   b. Social Science .............................................................................................................. 3
   c. Humanities .................................................................................................................. 3
   III. Laboratory or Field Work (completed by Premajor Requirement) .............................. 6
   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 ........................................ 4
*CHE 111 Laboratory to Accompany General Chemistry I ................................................. 4
CHE 107 General College Chemistry II ......................................................... 3
CHE 113 Laboratory to Accompany General Chemistry II ................................................. 3
EES 220 Principles of Physical Geology ......................................................... 4
EES 230 Fundamentals of Geology I ......................................................... 3
EES 235 Fundamentals of Geology II ......................................................... 3
EES 295 Geoscience Orientation ......................................................... 1
Premajor hours: ................................................................. 29

Major Requirements
Major Core Requirements
EES 323 Field Work in Regional Geology ................................ 6
EES 360 Mineralogy ................................................................. 4
EES 420G Structural Geology ......................................................... 4
EES 450G Sedimentary Geology ......................................................... 4
EES 461 Igneous and Metamorphic Petrology ......................... 4
*EES 490 Earth Dynamics ................................................................. 3
Major Core hours: ................................................................. 25

Other Course Work Required for the Major
From the Major Department:
Elective I ................................................................. 6
Choose 6 hours of EES courses at the 400+ level, not to include EES 495 or 496
Elective II ............................................................. 6
Choose 6 additional hours of 300+ EES or related courses

From the Physics Department
*PHY 211/213 General Physics or
*PHY 231/241/242 General University Physics ......................................................... 10
NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY and EES Elective II Requirements .................................................................................................................. 0-4
Other Major hours: ......................................................... 0-18
Total Minimum Hours Required for Degree ................................. 120
*Course used towards completion of a UK Core Requirement or Graduation Writing Requirement.

Minor in Geological Sciences
The minor in Geological Sciences requires 19 hours of course work to include:
EES 220 Principles of Physical Geology ......................................................... 4
EES 230 Fundamentals of Geology I ......................................................... 3
EES 235 Fundamentals of Geology II ......................................................... 3
Plus 9 hours in EES courses at the 300 level or higher ........................................... 9

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 degree – 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 degree 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 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 131.

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 ................................................. 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 Composition and Communication Requirement (GCCR)
ECO 499 Seminar in Economics (Subtitle required) ... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 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 ..................................... 1
IV. Electives .......................................................... 6
College Requirement hours: ..................... 19-33

Premajor Requirements
*MA 113 Calculus I
or
*MA 123 Elementary Calculus and its Applications and
MA 162 Finite Mathematics and its Applications .... 4-7
ECO 201 Principles of Economics I ...................... 3
ECO 202 Principles of Economics II ..................... 3
STA 291 Statistical Methods .................................. 3

Premajor hours: ............................................. 13-16

Major Requirements
Major Core Requirements
ECO 391 Economic and Business Statistics ............. 3
ECO 401 Intermediate Microeconomic Theory .......... 3
ECO 402 Intermediate Macroeconomic Theory .......... 3
ECO 499 Seminar in Economics (Subtitle required) ... 3

Major 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 6 hours in two different departments. These courses are generally chosen from the following departments:

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

*Course used towards completion of a UK Core Requirement.

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 131-132.

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 ................................................. 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 Composition and Communication Requirement (GCCR)
ECO 499 Seminar in Economics (Subtitle required) ... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements
I. Foreign Language (placement exam recommended) .................................. 0-14

II. Disciplinary Requirements
a. Natural Science ................................................. 3
b. Social Science (completed by Premajor Requirement) .................. 3
c. Humanities ..................................................... 3
III. Laboratory or Field Work ..................................... 1
IV. Electives .......................................................... 6
College Requirement hours: ..................... 13-27

Premajor Requirements
*MA 113 Calculus I
or
*MA 123 Elementary Calculus and its Applications and
MA 162 Finite Mathematics and its Applications .... 4-7
ECO 201 Principles of Economics I ...................... 3
ECO 202 Principles of Economics II ..................... 3
STA 291 Statistical Methods .................................. 3

Premajor hours: ............................................. 13-16

Major Requirements
Major Core Requirements
ECO 391 Economic and Business Statistics ............. 3
ECO 401 Intermediate Microeconomic Theory .......... 3
ECO 402 Intermediate Macroeconomic Theory .......... 3
ECO 499 Seminar in Economics (Subtitle required) ... 3

Major 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 6 hours in two different departments. These courses are generally chosen from the following departments:
Other Course Work Required for the Major

From the Major Department:
Majors must take an additional seven courses in ENG (Major Electives) primarily at the 300- and above level. Of these required seven courses:

- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
- two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);

Total minimum ENG course hours (excluding premajor) .................................................. 30

From Outside the Major Department:
For the English B.A. degree, 9 additional hours at the 200- and above level outside English are required in allied departments and programs in Arts, Humanities, Social Sciences, and Education. Applicable departments and programs (by prefix): A&S, AAS, AIS, ANT, APP, CHI, CLA, EDC, EDU, EPE, GER, GWS, IDS, HIS, HSM, HON, IAS, ITA, JOU, JPN, LAS, LIN, MAS, MCL, PHI, PS, RS, SPA, ST, WRD

Total major hours: ............................................................................................................... 120

Imaginative Writing Option – B.A.

12 total hours within the ENG program

To fulfill the ENG Imaginative Writing Option, students must complete the following:

- ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) .................. 3
- ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) .................. 3
- ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) taken twice under two different subtitles .................. 6
- submission of a portfolio for evaluation by the Imaginative Writing staff six weeks prior to graduation.
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. 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. For the ENG B.S. in particular, majors are allowed to apply an additional 9 hours of elective course work towards the science requirement. 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 131-132.

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 Composition and Communication Requirement (GCCR)
ENG 330 Text and Context (Subtitle required) .................. 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 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

*CIS/WRD 110 Composition and Communication I (requirement fulfilled in UK Core)
*CIS/WRD 111 Composition and Communication II (requirement fulfilled in UK Core)

plus one of the following
*ENG 107 Writing Craft: Introduction to Imaginative Writing ............. 3
*ENG 209 The Structure and Use of English .................. 3
*ENG 230 Introduction to Literature ................................ 3

Premajor hours: .................................................. 3

*Course used towards completion of a UK Core Requirement.

Major Requirements

Major Core Requirements

ENG Historical Survey Requirement ..................... 6
Majors must take the two English Survey courses of their choice. Historical Surveys can be taken in any combination and any order. Courses fulfilling the Historical Survey Requirement include:
ENG 241 Survey of British Literature I .................. 3
ENG 242 Survey of British Literature II .................. 3
ENG 251 Survey of American Literature I ............... 3
ENG 252 Survey of American Literature II ............... 3
ENG 265 Survey of African-American Literature I .......... 3
ENG 266 Survey of African-American Literature II .......... 3
ENG 330 Text and Context (Subtitle required) ............. 3
Majors must complete this core course after completing the premajor requirements and before going on to 400-level courses in the major. ENG 330 fulfills the Graduation Writing Requirement.

ENG Early Period Requirement ......................... 0-3
Majors must take at least one designated Early Period ENG course of their choice. This requirement will NOT be waived. Majors should be careful to choose an appropriate Early Period ENG course accordingly. Courses fulfilling the Early Period Requirement include:
ENG 241 Survey of British Literature I ............... 3
ENG 251 Survey of American Literature I ............... 3
ENG 341 Chaucer and His Contemporaries ............. 3
ENG 342 Shakespeare ............................................. 3
ENG 343 Renaissance Drama and Society ............. 3
ENG 518 Advanced History of the English Language ............. 3
ENG 519 Introduction to Old English ............... 3
or other Early Period subtitled courses as designated at the 300-400 level ............... 3

Major Core hours: .................................................. 9-12

Other Course Work Required for the Major

From the Major Department:
Majors must take an additional seven courses in ENG (Major Electives) primarily at the 300-level and above. Of these required seven courses:

• two courses maximum may be counted from among ENG 207, ENG 221, ENG 260, ENG 280, and ENG 290.

Otherwise, all additional courses must be at the 300-500 level in ENG. Majors should fulfill the Early Period Requirement from among these courses ........................................ 21

Total minimum ENG course hours (excluding premajor) .................. 30

From Outside the Major Department

For the English B.S. degree, 9 additional hours in the sciences are required that can be applied toward the 60-hour science requirement. Choose from among the applicable courses in the natural, physical, mathematical, and computer sciences ........................................ 9

Major hours: .................................................. 39-42

Other Electives

Choose electives and other courses to lead to the minimum total of 120 hours of course work and 60 hours of science credits required for graduation.

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

Imaginative Writing Option – B.S.

12 total hours within the ENG program

To fulfill the ENG Imaginative Writing Option, students must complete the following:

• ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) .................. 3
• ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) .................. 3
• ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) taken twice under two different subtitles ............... 6
• submission of a portfolio for evaluation by the Imaginative Writing staff six weeks prior to graduation

Minor in Creative Writing

The minor in Creative Writing consists of a total of 18 hours, of which at least 9 hours must be at or above the 300 level, distributed as follows:

Minor Requirements

One ENG Historical Survey course:
ENG 241 Survey of British Literature I
ENG 242 Survey of British Literature II
ENG 251 Survey of American Literature I
ENG 252 Survey of American Literature II
ENG 265 Survey of African-American Literature I
ENG 266 Survey of African-American Literature II

ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) .................. 3
ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) .................. 3

or

ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) .................. 3

plus one additional Creative Writing course:
ENG 107 Writing Craft: Introduction to Imaginative Writing
ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required)
ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required)
**Bachelor of Arts with a major in ENVIRONMENTAL AND SUSTAINABILITY STUDIES**

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 131.

**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

Recommended: ECO 101 Contemporary Economic Issues ........ 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 Composition and Communication Requirement (GCCR)

ENS 400 Senior Seminar (Subtitle required) .................. 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

**College Requirements**

I. Foreign Language (placement exam recommended) .... 0-14

II. Disciplinary Requirements

a. Natural Science (completed by Major Requirements) ..
b. Social Science (completed by Major Requirements) ..
c. Humanities ..................................................... 6

III. Laboratory or Field Work .................................. 1

IV. Electives

College Requirement hours: .................................. 13-27

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENS 201 Environmental and Sustainability Studies I</td>
<td>3</td>
</tr>
<tr>
<td>ENS 202 Environmental and Sustainability Studies II</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ENB 425 Environmental Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENS 300 Special Topics (Subtitle required)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Areas of Expertise**

Students must take five courses (15 credits) in one Area of Expertise, two in another Area (6 credits), and one in a third Area (3 credits).

**Area 1 – Economics**

A sustainable balance must be made between economic gain and protection of natural resources. Governments must determine policy and institute laws to provide the necessary protection of natural resources, and provide the guidelines for any development. This Area will provide the students with training in the interconnectedness of economics, policy and development. The students will have the freedom to select clusters of courses suited to their career goals. For example, students anticipating careers in business may select courses related to economics and those planning to go to Law School may focus on policy courses.

**College of Arts and Sciences**

**ENVIROMENTAL AND SUSTAINABILITY STUDIES**

The Environmental and Sustainability Studies B.A. degree educates students in a broad range of fundamental environmental studies subjects with concepts of sustainability integrated throughout the curriculum. The course work requirements consist of 18 credits of core courses and 24 credits of electives organized in the Areas of Economics, Environment, and Society. In order to ensure depth of knowledge and expertise 15 credits of courses will be taken within one Area. To provide breadth of knowledge, six credits of courses will be taken in a second Area and three credits of courses in the third Area. The Areas were selected in recognition that any type of sustainable activity, resource, or product must balance economic, environmental, and social considerations. In the Environmental and Sustainability Studies program, students will combine the fundamental knowledge they obtain in the three Areas to develop an understanding of sustainability and how sustainable practices can be implemented in their eventual careers. The ENS B.A. is an ideal double major for other disciplinary degrees.

**Minor in English**

The minor in English requires 19 hours of course work to include:

- Any one ENG Historical Survey course:
  - ENG 241 Survey of British Literature I .................. 3
  - ENG 242 Survey of British Literature I .................. 3
  - ENG 251 Survey of American Literature I .............. 3
  - ENG 252 Survey of American Literature I .............. 3
  - ENG 265 Survey of African-American Literature I ...... 3
  - ENG 266 Survey of African-American Literature II ... 3

One core course:

ENG 330 Text and Context (Subtitle required) .............. 3

Four more ENG courses, with a maximum of one 100-level course and a minimum of two 300+ level courses ........ 12

Combinations may include:

1. any one 100-level ENG course plus one 200-level ENG introductory course (e.g. ENG 230, ENG 260, ENG 280, ENG 290) or a 300+ level ENG course, plus any two ENG courses at the 300+ level; or
2. any two 200-level ENG introductory courses, plus any two ENG courses at the 300+ level; or
3. any one 200-level ENG introductory course, plus any three ENG courses at the 300+ level; or
4. any four ENG courses at the 300+ level.

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**College of Arts and Sciences**

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Area 2 – Environment

This area will build upon the fundamental natural science knowledge obtained in ENS 202 and the subjects taken to fulfill the A&S requirements. Students will be able to select from courses spanning a wide range of environmental subjects in order to focus on a subject of their specific interest. For example, this Area could be used to observe how societies have influenced the natural world from historic to modern times, the impact of development on ecology, and how climate change today compares to changes that occurred in the past.

- ANT 240 Introduction to Archeology
- ANT 241 Origins of Old World Civilization
- ANT 242 Origins of New World Civilization
- ANT 351 Special Topics in Archaeology

Area 3 – Society

This Area explores the way that human society interacts with the environment. "Coupled-human-natural systems" are a primary driver of environmental change, and also a key source of solutions to environmental problems. This Area will build students’ knowledge of the mutually influencing human-environment dynamic.

- ANT 221 Native People of North America
- ANT 225 Culture, Environment and Global Issues
- ANT 245 Food Culture and Society
- ANT 303 Topics in the Anthropology of Food and Nutrition
- ANT 311 Anthropology of Globalization
- ANT/AAS 326 People and Cultures of Sub-Saharan Africa
- ANT 340 Development and Change in the Third World
- ANT 342 North American Archaeology
- ANT 357 Ecology and Social Practice
- ANT 470G Regional American Ethnography
- ANT 525 Applied Anthropology
- ANT 545 Historical Archaeology
- ANT 555 Eastern North American Archaeology
- ARC 314 History and Theory III: 20th Century and Contemporary Architecture
- ARC 315 World Architecture and Urbanism
- ENG 339 Author Studies (Subtitle required)
- ENG 401 Special Topics in Writing (Subtitle required)
- ENS 395 Independent Work
- GEO 201 Introduction to Public Health
- GEO 320 Fundamentals of Environmental Health
- GEO 365 Special Topics in Public Health (Subtitle required)
- GEO 425 Environmental Writing
- PHI 300 Special Topics in Philosophy
- SCI 540 Independent Work
- SOC/CLD 517 Rural Sociology
- SOC 363 Environmental Justice
- SOC/CLD 380 Globalization: A Cross-Cultural Perspective
- SOC/CLD 420 Sociology of Communities
- SOC/CLD 517 Rural Sociology
- SOC/ANT/CLD 534 Sociology of Appalachia

Areas of Expertise hours: 24

From Outside the Major Department

Choose two courses outside Environmental and Sustainability Studies at the 300+ level. 200+ level courses used to satisfy College Requirements can also be counted here.

Subtotal: Other Major hours: 6

Electives

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

Subtotal: Electives minimum of 6

Total Minimum Hours Required for Degree: 120

FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS

The Foreign Language and International Economics (FLIE) major combines economics with proficiency in a non-English language and prepares students for a future in government, international relations, law, research, multinational corporations, and local industries who conduct business internationally. Economists are able to interpret and forecast general economic conditions, estimate trends, analyze data, and use economic theory to help their organization operate more efficiently. Combine those skills with the ability to communicate effectively in another language, and opportunities abound.

In the FLIE major, students take a minimum of nine economics courses and seven to ten intermediate and advanced courses in one of the following languages: French, German, Japanese, Russian, or Spanish. Chinese and Arabic are in development.

Bachelor of Arts with a major in FOREIGN LANGUAGE AND INTERNATIONAL 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 131.

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

V. Composition and Communication

Choose one course from approved list

VI. Composition and Communication II

Choose one course from approved list

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list
AIS 331 Classical Arabic Literature (in English) ....................................................................................................................3
AIS 320 Modern Arabic Literature ........................................................................................................................................3
AIS 302 Colloquial Arabic II ....................................................................................................................................................3
AIS 301 Colloquial Arabic I .......................................................................................................................................................3
AIS 228 Islamic Civilization ........................................................................................................................................................3
plus
AIS 312 Arabic for Business and Media II ..................................................................................................................................3
ECO 472 International Monetary Economics ..................................................................................................................................3
ECO 471 International Trade ........................................................................................................................................................3
plus
ECO 401 Intermediate Microeconomic Theory ..........................................................................................................................3
plus
STA 291 Statistical Methods or STA 296 Statistical Methods and Motivations ........................................................................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
Economics Core hours: .................................................................................................................................................................3

X. Global Dynamics
CHI 331 Introduction to Chinese Culture, 1840 to Present ........................................................................................................3
GER 342 War, Peace, and Terror in Germany and Europe ........................................................................................................3
GER 361 German Cinema
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 ..............................................................................................3
JPN 351 The Japanese Experience of the Twentieth Century
RUS 370 Russian Folklore (in English) .........................................................................................................................................3
RUS 371 Russian Culture 1900-1990 ................................................................................................................................................3
RUS 372 Russian Culture 1900-Present or any area course ......................................................................................................3
UK Core hours .............................................................................................................................................................................30
Graduation Composition and Communication Requirement (GCCR) .........................................................................................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 ..................................................................................................................................................................................6
College Requirement hours: ......................................................................................................................................................16-30

Language Core Requirement
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ........................................................................................3

Language Core hours: .................................................................................................................................................................3

Economics Core Requirement
STA 291 Statistical Methods or STA 296 Statistical Methods and Motivations ........................................................................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
Economics Core hours: .................................................................................................................................................................3

Language Core Requirement: Arabic
AIS 430 Islam in America ..............................................................................................................................................................3
AIS 340 Fundamentalism and Reform in Islam .............................................................................................................................3
AIS 345 Islamic Mysticism ............................................................................................................................................................3
AIS 410 Theology and Law in Islam ............................................................................................................................................3
AIS 430 Islam in America ............................................................................................................................................................3
AIS 435 Topics in Islamic Studies (Subtitle required) ..................................................................................................................3
AIS 440 Introduction to the Qur’an ..................................................................................................................................................3
AIS 442 Arabic Reading I ..............................................................................................................................................................3
AIS 443 Arabic Reading II ............................................................................................................................................................3
ANT 222 Middle East Cultures ....................................................................................................................................................3
ANT 331 Anthropology of North Africa .......................................................................................................................................3
GEO 328 Geography of the Middle East and North Africa .......................................................................................................3
HIS 549 History of the Middle East: 1920 to the Present ..................................................................................................................3
HIS 550 Studies in Mid-East History and Politics (Subtitle required) ..........................................................................................3
PS 410 Topics in Regional Politics (Subtitle required) ..................................................................................................................3
Arabic Core hours: ........................................................................................................................................................................21

Language Core Requirement: Chinese
CHI 301 Advanced Intermediate Chinese I .................................................................................................................................3
CHI 302 Advanced Intermediate Chinese II ..................................................................................................................................3
CHI 331 Introduction to Chinese Culture, Pre-Modern to 1840 ...............................................................................................3
plus 12 hours from the following:
CHI 310 Sounds of East Asian Languages ..................................................................................................................................3
CHI 320 Gender Politics in Chinese Literature ..........................................................................................................................3
CHI 321 Introduction to Contemporary Chinese Film ..................................................................................................................3
CHI 322 Self and Society in Chinese Culture ..................................................................................................................................3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 ...............................................................................................3
CHI 345 Introduction to Early Chinese Thought ..........................................................................................................................3
CHI 395 Independent Work in Chinese ..........................................................................................................................................3
CHI 401 Advanced Chinese I ........................................................................................................................................................3
CHI 402 Advanced Chinese II .......................................................................................................................................................3
CHI 430 Popular Culture in Modern China ..................................................................................................................................3
CHI 450 Daoism: East and West ....................................................................................................................................................3
CHI 511 Literary Chinese ..............................................................................................................................................................3
CHI 520 Introduction to Chinese Linguistics ...............................................................................................................................3
*A-H 310 Asian Art and Culture (Subtitle required) ..................................................................................................................3
*HIS 555 Topics in Non-Western History Since 1789 ...................................................................................................................3
HIS 597 Westerners in East Asia, 1839 to the Present .....................................................................................................................3
HIS 598 China in Revolution, 1895-1976 ........................................................................................................................................3
*A&S 300 Special Course (Subtitle required) .............................................................................................................................3
Other courses as approved by the advisor
Chinese Core hours: ......................................................................................................................................................................21
*Subtitle required.

French Core Requirement
FR 204 Introduction to French and Francophone Studies ........................................................................................................3
FR 214 France Today or FR 215 Visual Cultures ..........................................................................................................................3
FR 307 French for Business and Economics ............................................................................................................................3
plus 12 hours from the following:
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
FR 410 French in Performance ......................................................................................................................................................3
FR 425 Media Studies ..................................................................................................................................................................3
French Core hours: ......................................................................................................................................................................21

Language Core Requirement: German
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:
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 342 War, Peace, and Terror in Germany and Europe .........................................................................................................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 ......................................................................................................................................3
GER 507 Advanced German Composition and Conversation ..................................................................................................3
GER 515 Studies in Major Authors ............................................................................................................................................3
GER 516 Studies in Genre ...........................................................................................................................................................3
GER 550 Multidisciplinary German Studies Seminar (Subtitle required) .......................................................................................3

German Core hours: ..................................................................................................................................................................21

Language Core Requirement: Japanese
JPN 302 Advanced 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:
A-H 310 Asian Art and Culture (Subtitle required) ..................................................................................................................3
A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony ..................................................................................................3
COM 525 Advanced Issues in Organizational Communication (Subtitle required) ........................................................................3
GEO 333 Geography of East Asia ..............................................................................................................................................3
GEO 365 Special Topics in Regional Geography (Subtitle required) ..........................................................................................3
GEO 406 Field Studies in Geography (Subtitle required) ...........................................................................................................3
GEO/JPN 491G Japanese Landscapes ........................................................................................................................................3
GEO/JPN 551 Japanese Multinational Corporations ...................................................................................................................3
HIS 295 East Asia to 1800 ...............................................................................................................................................................3
HIS 296 East Asia Since 1600 .........................................................................................................................................................3
JPN 283 Japanese Film .................................................................................................................................................................3
JPN 320 Introduction to Japanese Culture, Premodern to 1868 ...............................................................................................3
JPN 351 The Japanese Experience of the Twentieth Century ..................................................................................................3
JPN 421G Contemporary Literary and Visual Arts of Japan .......................................................................................................3
JPN 520 Japanese Linguistics and Society ..................................................................................................................................3
PS 419G The Governments and Politics of Eastern Asia ............................................................................................................3
and/or other related courses with the approval of the major advisor
Japanese Core hours: ..................................................................................................................................................................21

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**Language Core Requirement: Russian**

- RUS 301 Conversation and Composition I ........................................... 3
- RUS 302 Advanced Intermediate Russian II ..................................... 3
- RUS 372 Russian Culture 1900-Present .......................................... 3

  plus 12 hours from the following:
  - ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-SocialistChange ............................................. 3
  - ANT 432 Anthropology of Eastern Europe and Russia ............................................. 3
  - GEO 329 Geography of the Former Soviet Union ............................................. 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 ............................................. 3
  - RUS 275 Russian Film .............................................................. 3
  - RUS 370 Russian Folklore (in English) ............................................. 3
  - RUS 371 Russian Culture 900-1900 ............................................. 3
  - RUS 410G Russian for Special Purposes (Subtitle required) ................. 3
  - RUS 525 Russian Literary Studies (Subtitle required) .......................... 3
  - RUS 545 Russian Cultural Studies (Subtitle required) .......................... 3
  - RUS 555 Topical Seminar on Russian Studies (Subtitle required) ............ 3

**Russian Core hours:** ............................................. 21

**Language Core Requirement: Spanish**

- SPA 302 Spanish for Business Professionals ............................................. 3
- SPA 323 Introduction to Spanish Translation ............................................. 3
- SPA 332 Spanish and Latin American Business Environments .................. 3
- SPA 420 Spanish in the World .............................................................. 3

  plus 9 hours from the following:
  - SPA 312 Civilization of Spain .............................................................. 3
  - SPA 314 Civilization of Spanish America ............................................. 3
  - SPA 423 Advanced Spanish Translation ............................................. 3
  - SPA 480 Hispanic Kentucky .............................................................. 3
  - Any 400+ level SPA course .............................................................. 3

**Spanish Core hours:** ............................................. 21

**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 FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS**

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 FR, GER, JPN, RUS, SPA or 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 131-132.

**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**

AIS 430 Islam in America .............................................................. 3

**X. Global Dynamics**

CHI 331 Introduction to Chinese Culture, 1840 to Present ............................................. 3

**Graduation Composition and Communication Requirement (GCCR)**

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ............................................. 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

**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

**Language Core Requirement: Arabic**

AIS 202 Intermediate Modern Standard Arabic ............................................. 3

AIS 311 Arabic for Business and Media I .................................................. 3

AIS 312 Arabic for Business and Media II .................................................. 3

  plus at least 12 hours from the following:
  - AIS 228 Islamic Civilization .................................................. 3
  - AIS 301 Colloquial Arabic I .................................................. 3
  - AIS 302 Colloquial Arabic II .................................................. 3
  - AIS 320 Modern Arabic Literature and Film in Translation .................. 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 345 Islamic Mysticism .................................................. 3
  - AIS 410 Theology and Law in Islam .................................................. 3
  - AIS 430 Islam in America .................................................. 3
  - AIS 435 Topics in Islamic Studies (Subtitle required) .......................... 3
  - AIS 440 Introduction to the Qur’an .................................................. 3
  - AIS 442 Arabic Reading I .................................................. 3
  - AIS 443 Arabic Reading II .................................................. 3
  - ANT 222 Middle East Cultures .................................................. 3
  - ANT 331 Anthropology of Africa .................................................. 3
  - GEO 328 Geography of the Middle East and North Africa .................. 3
  - HIS 549 History of the Middle East: 1920 to the Present .................. 3
  - HIS 550 Studies in Mid-East History and Politics (Subtitle required) ............. 3
  - PS 410 Topics in Regional Politics (Subtitle required) .......................... 3

**Arabic Core hours:** ............................................. 21

**Economics Core Requirement**

STA 291 Statistical Methods or STA 291 Statistical Methods and Motivations .................................................. 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 474G Economic Development .................................................. 3

**Economics Core hours:** ............................................. 27

**Language Core Requirement: Arabic**

AIS 202 Intermediate Modern Standard Arabic ............................................. 3

AIS 311 Arabic for Business and Media I .................................................. 3

AIS 312 Arabic for Business and Media II .................................................. 3

  plus at least 12 hours from the following:
  - AIS 228 Islamic Civilization .................................................. 3
  - AIS 301 Colloquial Arabic I .................................................. 3
  - AIS 302 Colloquial Arabic II .................................................. 3
  - AIS 320 Modern Arabic Literature and Film in Translation .................. 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 345 Islamic Mysticism .................................................. 3
  - AIS 410 Theology and Law in Islam .................................................. 3
  - AIS 430 Islam in America .................................................. 3
  - AIS 435 Topics in Islamic Studies (Subtitle required) .......................... 3
  - AIS 440 Introduction to the Qur’an .................................................. 3
  - AIS 442 Arabic Reading I .................................................. 3
  - AIS 443 Arabic Reading II .................................................. 3
  - ANT 222 Middle East Cultures .................................................. 3
  - ANT 331 Anthropology of Africa .................................................. 3
  - GEO 328 Geography of the Middle East and North Africa .................. 3
  - HIS 549 History of the Middle East: 1920 to the Present .................. 3
  - HIS 550 Studies in Mid-East History and Politics (Subtitle required) ............. 3
  - PS 410 Topics in Regional Politics (Subtitle required) .......................... 3

**Arabic Core hours:** ............................................. 21
**Language Core Requirement: Chinese**

CHI 301 Advanced Intermediate Chinese I ........................................ 3
CHI 302 Advanced Intermediate Chinese II ...................................... 3
CHI 331 Introduction to Chinese Culture ........................................ 3
**plus** 12 hours from the following:
CHI 310 Sounds of East Asian Languages .................................. 3
CHI 320 Gender Politics in Chinese Literature ............................... 3
CHI 321 Introduction to Contemporary Chinese Film ....................... 3
CHI 322 Self and Society in Chinese Culture .................................. 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 ............ 3
CHI 345 Introduction to Early Chinese Thought ............................... 3
CHI 395 Independent Work in Chinese ......................................... 1-3
CHI 401 Advanced Chinese I ..................................................... 3
CHI 402 Advanced Chinese II .................................................... 3
CHI 430 Popular Culture in Modern China .................................... 3
CHI 450 Diaspor: East and West .................................................... 3
CHI 511 Literary Chinese ............................................................. 3
CHI 520 Introduction to Chinese Linguistics ................................... 3
*A-H 310 Asian Art and Culture (Subtitle required) ....................... 3
**plus** 12 hours from the following:
CHI 535 Topics in Non-Western History Since 1789 .................... 3
HIS 597 Westerners in East Asia, 1839 to the Present ..................... 3
HIS 598 China in Revolutions, 1895-1976 ..................................... 3
*A&S 300 Special Course (Subtitle required) ................................. 3
Other courses as approved by the advisor

**Chinese core hours:** ...................................................... 21

*Subtitle required.

**Language Core Requirement: French**

FR 204 Introduction to French and Francophone Studies ................. 3
FR 214 France Today or FR 215 Visual Cultures ............................. 3
FR 307 French for Business and Economics ................................ 3
**plus** 12 hours from the following:
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
FR 410 French in Performance .................................................... 3
FR 425 Media Studies ............................................................... 3

**French core hours:** ....................................................... 21

**Language Core Requirement: German**

GER 319 Contemporary German Literature and Culture .................... 3
GER 342 War, Peace, and Terror in Germany and Europe ................ 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
GER 507 Advanced German Composition and Conversation ................ 3
GER 515 Studies in Major Authors ................................................ 3
GER 516 Studies in Genre ........................................................... 3
GER 550 Multidisciplinary German Studies Seminar (Subtitle required) 3

**German core hours:** ....................................................... 21

**Language Core Requirement: Japanese**

JPN 302 Advanced 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:
A-H 310 Asian Art and Culture (Subtitle required) ....................... 3
A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony ........ 3
COM 525 Advanced Issues in Organizational Communication (Subtitle required) 3
GEO 333 Geography of East Asia ................................................. 3
GEO 365 Special Topics in Regional Geography (Subtitle required) .... 3
GEO 406 Field Studies in Geography (Subtitle required) .................. 3
GEO/JPN 491G Japanese Landscapes ............................................ 3
GEO/JPN 551 Japanese Multinational Corporations ........................ 3
HJS 295 East Asia to 1800 .......................................................... 3
HJS 296 East Asia Since 1600 ....................................................... 3
JPN 283 Japanese Film ............................................................... 3
JPN 320 Introduction to Japanese Culture, Premodern to 1868 ......... 3
JPN 351 The Japanese Experience of the Twentieth Century .......... 3
JPN 421G Contemporary Literary and Visual Arts of Japan .......... 3
JPN 520 Japanese Linguistics and Society .................................... 3
PS 419G The Governments and Politics of Eastern Asia ............... 3
and/or other related courses with the approval of the major advisor

**Japanese core hours:** ...................................................... 21

**Language Core Requirement: Russian**

RUS 301 Conversation and Composition I ..................................... 3
RUS 302 Advanced Intermediate Russian II .................................. 3
RUS 372 Russian Culture 1960-Present ....................................... 3
**plus** 12 hours from the following:
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change 3
ANT 432 Anthropology of Eastern Europe and Russia ................... 3
GEO 329 Geography of the Former Soviet Union ......................... 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

**Russian core hours:** ......................................................... 21

**Language Core Requirement: Spanish**

SPA 302 Spanish for Business Professionals ............................... 3
SPA 323 Introduction to Spanish Translation ................................ 3
SPA 332 Spanish and Latin American Business Environments ........ 3
SPA 420 Spanish in the World .................................................... 3
**plus** 9 hours from the following:
SPA 312 Civilization of Spain .................................................... 3
SPA 314 Civilization of Spanish America ..................................... 3
SPA 423 Advanced Spanish Translation ....................................... 3
SPA 480 Hispanic Kentucky ........................................................ 3
Any 400+ level SPA course .......................................................... 3

**Spanish core hours:** ......................................................... 21

**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

**GENDER AND WOMEN'S STUDIES**

The Department in Gender and Women's Studies offers an interdisciplinary curriculum which 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.

**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 131.
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 Composition and Communication Requirement (GCCR)
GWS 399 Senior Seminar: Subtitle required ....................... 3

Graduation Composition and Communication Requirement hours (GCCR) ................................................. 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 ................................................................. 6

College Requirement hours: ........................................... 22-36

Premajor Requirements

*GWS 200 Sex and Power .............................................. 3
*GWS 201 Gender and Popular Culture ........................... 3

Premajor hours: ................................................................ 6

Major Requirements

Core Courses
GWS 250 Social Movements ........................... 3
or
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: .................................................................. 12

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 (Subtitle required) ......................... 3
GWS 302 Gender Across the World
   (Subtitle required) ...................................................... 3
GWS 360 LGBTQ History in the United States ............... 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 410 Introduction to Queer Theory ......................... 3
GWS 430 Gender, Power and Violence ........................... 3
GWS 506 History of Sexuality in the U.S. ....................... 3
GWS 595 Issues in Gender and Women’s Studies
   (Subtitle required) ...................................................... 3

Elective hours: ............................................................. 15
Total Major hours: ..................................................... 27

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).

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
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 in Gender and Women’s Studies requires 18 hours of course work to include:

GWS 200 Sex and Power .............................................. 3
or
GWS 201 Gender and Popular Culture ........................... 3
GWS 250 Social Movements ........................... 3
or
GWS 340 History of Feminist Thought to 1975 ............... 3
GWS 350 Introduction to Feminist Theorizing ................. 3

Plus an additional 9 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 Breekrinridge Hall, (859) 257-1388.

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 131.

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

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 illustrate 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 seven areas: environmental geography, physical geography, urban geography and planning, GIS focus, human geography, international studies, and design your own geography major. For more information, contact the Department of Geography at (859) 257-2931, or on the Web at: www.uky.edu/AS/Geography/.
College of Arts and Sciences

GEography Tracks

Environmental Geography Option

Suggested Courses:
- GEO 135 Global Climate Change ........................................ 3
- GEO 162 Introduction to Global Environmental Issues .......... 3
- GEO 231 Environment and Development ........................... 3
- GEO 235 Environmental Management and Policy ............... 3
- GEO 261 Global Dynamics of Health and Disease ............... 3
- GEO 321 Land, People, and Development in Appalachia ........ 3
- GEO 331 Global Environmental Change ............................ 3
- GEO 334 Environment, Society and Economy of Japan .......... 3
- GEO 431 Political Ecology .............................................. 3
- GEO 530 Biogeography and Conservation .......................... 3
- GEO 531 Landscape Ecology .......................................... 3

Physical Geography Option

Suggested Courses:
- GEO 135 Global Climate Change ........................................ 3
- GEO 130 Earth’s Physical Environment ............................. 3
- GEO 230 Weather and Climate ........................................ 3
- GEO 235 Environmental Management and Policy ............... 3
- GEO 351 Physical Landscapes ......................................... 3
- GEO 451G Fluvial Flows and Processes ............................. 3
- GEO 530 Biogeography and Conservation .......................... 3
- GEO 531 Landscape Ecology .......................................... 3

Urban Geography and Planning Option

Suggested Courses:
- GEO 220 U.S. Cities .................................................... 3
- GEO 285 Introduction to Planning .................................... 3
- GEO 485G Urban Planning and Sustainability .................... 3
- GEO 235 Environmental Management and Policy ............... 3
- GEO 309 Introduction to GIS .......................................... 3
- GEO 310 Quantitative Techniques in Geography ............... 3
- GEO 415 Map Interpretation .......................................... 3
- GEO 422 Urban Geography ............................................ 3
- GEO 455 Globalization and the Changing World Economy .... 3
- GEO 490G American Landscapes .................................... 3
- GEO 544 Human Population Dynamics ............................ 3
- GEO 545 Transportation Geography ............................... 3

GIS Focus

Suggested Courses:
- GEO 109 Digital Mapping .............................................. 3
- GEO 164 iWorlds: Global Information Geographies ............ 3
- GEO 409 Advanced GIS ................................................. 3
- GEO 509 Workshop in Geospatial Technologies ................. 3
- GEO 419 Introduction to Remote Sensing ......................... 3
- GEO 305 Elements of Cartography .................................. 3
- GEO 506 Introduction to Computer Cartography ................. 3
- GEO 505 Practicum in Cartography .................................. 3
- GEO 310 Quantitative Techniques in Geography ............... 3
- GEO 415 Map Interpretation .......................................... 3
- GEO 365 Special Topics in Geography (Subtitle required) .... 3

Human Geography Option

Suggested Courses:
- GEO 161 Global Inequalities .......................................... 3
- GEO 240 Geography and Gender ...................................... 3
- GEO 260 Geographies of Development in the Global South ... 3
- GEO 422 Urban Geography ............................................ 3
- GEO 442G Political Geography ....................................... 3
- GEO 455 Globalization and the Changing World Economy .... 3
- GEO 475G Medical Geography ........................................ 3
- GEO 490G American Landscapes .................................... 3
- GEO 544 Human Population Dynamics ............................ 3
- GEO 545 Transportation Geography ............................... 3
- GEO 546 Tourism and Recreation Geography .................... 3

International Studies Option

Suggested Courses:
- GEO 163 Global Conflicts ............................................. 3
- GEO 221 Immigrant America: A Geographic Perspective ....... 3
- GEO 222 Cities of the World .......................................... 3
- GEO 255 Geography of the Global Economy ..................... 3
- GEO 326 Geography of Europe ....................................... 3
- GEO 328 Geography of the Middle East and North Africa ....... 3
- GEO 329 Geography of the Former Soviet Union ............... 3
- GEO 331 Global Environmental Change ........................... 3
- GEO 334 Environment, Society and Economy of Japan ....... 3
- GEO 546 Tourism and Recreation Geography .................... 3

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

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

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 131-132.

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 Natural Sciences

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 Humanities

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 Composition and Communication Requirement (GCCR)
GEO 499 Senior Research Seminar ........................................ 3

Graduation Composition and Communication Requirement hours (GCCR) ........................................ 3

College Requirements
I. Foreign Language (placement exam recommended) .......... 0-14
II. Disciplinary Requirements
   a. Natural Science ................................................. 3
   b. Social Science (completed by Major Requirement) ........ 3
   c. Humanities .................................................. 3
III. Laboratory or Field Work ........................................ 1
IV. Electives ................................................................... 6

College Requirement hours: ........................................ 13-27

Major Requirements

Major Core Requirements
GEO 130 Earth's Physical Environment ................................ 3
GEO 172 Human Geography ............................................. 3
GEO 200 Orientation to Geography .................................... 3
GEO 406 Field Studies in Geography (Subtitle required) ........ 3
GEO 309 Introduction to GIS ........................................... 3
GEO 499 Senior Research Seminar .................................... 3

Major Core hours: ......................................................... 18

Methods Requirements
 Choose one methods course from the following options:
GEO 305 Elements of Cartography ..................................... 3
GEO 310 Quantitative Techniques in Geography ................. 3
GEO 311 Qualitative Methods in Geography ....................... 3
GEO 409 Advanced GIS .................................................. 3

Methods hours: ................................................................ 3

Other Course Work Required for the Major
Geography Tracks .......................................................... 18
Choose at least 18 hours of additional geography courses to include: no more than 3 hours of 100-level courses; no more than 6 hours of GEO 560 and GEO 399; a minimum of 3 hours of 400-level courses (not including GEO 409, 406, or 499). The following focus areas represent specializations within Geography and are provided as guidelines. Most students will find it useful to concentrate their 18 hours within these focus areas, but this is not a requirement. On completion of 15 hours within any focus area, the Geography Department will award a certificate of completion of studies in the area of specialization. Consult with your advisor in making selections of courses.

GEOGRAPHY TRACKS

Environmental Geography Option
Suggested Courses:
GEO 135 Global Climate Change ....................................... 3
GEO 162 Introduction to Global Environmental Issues ......... 3
GEO 231 Environmental and Development in Appalachia ....... 3
GEO 331 Global Environmental Change ............................ 3
GEO 334 Environment, Society and Economy of Japan ........ 3
GEO 431 Political Ecology ............................................. 3
GEO 530 Biogeography and Conservation .......................... 3
GEO 531 Landscape Ecology ........................................... 3

Urban Geography and Planning Option
Suggested Courses:
GEO 220 U.S. Cities ......................................................... 3
GEO 285 Introduction to Planning ...................................... 3
GEO 485G Urban Planning and Sustainability ..................... 3
GEO 235 Environmental Management and Policy ................ 3
GEO 309 Introduction to GIS ........................................... 3
GEO 310 Quantitative Techniques in Geography ................. 3
GEO 415 Map Interpretation ............................................. 3
GEO 422 Urban Geography ............................................ 3
GEO 455 Globalization and the Changing World Economy ... 3
GEO 490G American Landscapes ..................................... 3
GEO 544 Human Population Dynamics ............................... 3
GEO 545 Transportation Geography .................................. 3

GIS Focus
Suggested Courses:
GEO 109 Digital Mapping .................................................. 3
GEO 164 iWorlds: Global Information Geographies ............ 3
GEO 409 Advanced GIS .................................................. 3
GEO 419 Introduction to Remote Sensing ............................ 3
GEO 506 Introduction to Computer Cartography .................. 3
GEO 505 Practicum in Cartography .................................... 3
GEO 310 Quantitative Techniques in Geography ................. 3
GEO 415 Map Interpretation ............................................. 3
GEO 365 Special Topics in Geography (Subtitle required) .... 3

Human Geography Option
Suggested Courses:
GEO 161 Global Inequalities ............................................. 3
GEO 240 Geography and Gender ....................................... 3
GEO 260 Geographies of Development in the Global South ..... 3
GEO 422 Urban Geography ............................................ 3
GEO 442G Political Geography ......................................... 3
GEO 455 Globalization and the Changing World Economy ... 3
GEO 475G Medical Geography ......................................... 3
GEO 490G American Landscapes ..................................... 3
GEO 544 Human Population Dynamics ............................... 3
GEO 545 Transportation Geography .................................. 3
GEO 546 Tourism and Recreation Geography ..................... 3

International Studies Option
Suggested Courses:
GEO 163 Global Conflicts .............................................. 3
GEO 221 Immigrant America: A Geographic Perspective ...... 3
GEO 222 Cities of the World ............................................ 3
GEO 255 Geography of the Global Economy ....................... 3
GEO 326 Geography of Europe ....................................... 3
GEO 328 Geography of the Middle East and North Africa .... 3
GEO 329 Geography of the Former Soviet Union ................ 3
GEO 331 Global Environmental Change ............................ 3
GEO 334 Environment, Society and Economy of Japan ........ 3
GEO 546 Tourism and Recreation Geography ..................... 3

Design Your Own Geography Major Option
Any Geography courses fulfilling the requirements for the major.

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

Minor in Geography

The minor in Geography requires a minimum of 18 hours, 15 of which must be in courses at the 200+ level, taken within the department as follows:

The courses below are suggested courses; all GEO courses count toward the minor.

K-12 Teaching and Administration
Take 6 for 18 credit hours:
GEO 172 Human Geography ............................................. 3
GEO 130 Earth's Physical Environment ............................... 3
GEO 200 Orientation to Geography .................................... 3
GEO 220 U.S. Cities or GEO 222 Cities of the World .......... 3
GEO 320-365 Regional Geography Courses ......................... 3
GEO 442G World Geography for Teachers .......................... 3
GEO 440G Physical Geography for Teachers ....................... 3

Geosciences
Take 6 for 18 credit hours:
GEO 130 Earth’s Physical Environment ............................... 3
GEO 230 Weather and Climate ......................................... 3
GEO 331 Global Environmental Change ............................ 3
GEO 351 Physical Landscapes .......................................... 3
GEO 451G Fluvial Forms and Processes ............................. 3
GEO 530 Biogeography and Conservation .......................... 3
GEO 531 Landscape Ecology ........................................... 3

Social Sciences and Humanities
Take 6 for 18 credit hours:
one of the following:
GEO 160 Lands and Peoples of the Non-Western World ......... 3
GEO 161 Global Inequalities ............................................. 3
GEO 162 Introduction to Global Environmental Issues ......... 3
GEO 163 Global Conflicts .............................................. 3
plus:
GEO 172 Human Geography ............................................. 3
GEO 221 Immigrant America: A Geographic Perspective ...... 3
GEO 240 Geography and Gender ....................................... 3
GEO 320-365 Regional Geography Courses ......................... 3
GEO 422 Urban Geography ............................................ 3
GEO 442G Political Geography ......................................... 3
GEO 470G America’s Cultural Geographies ......................... 3

Environmental Studies
Take 6 for 18 credit hours:
GEO 162 Introduction to Global Environmental Issues ......... 3
GEO 130 Earth’s Physical Environment ............................... 3
GEO 230 Weather and Climate ......................................... 3
GEO 231 Environment and Development ......................... 3
GEO 235 Environmental Management and Policy .......................... 3
GEO 351 Physical Landscapes .................................................. 3
GEO 431 Political Ecology ..................................................... 3
GEO 530 Biogeography and Conservation .................................. 3
GEO 531 Landscape Ecology .................................................. 3
GEO 456 Tourism and Recreation Geography ............................ 3
GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3
GEO 585 Aging and Environment ........................................... 3

**Economic Geography**

Take 6 for 18 credit hours:

- GEO 161 Global Inequalities ................................................. 3
- or GEO 164 iWorlds: Global Information Geographies .......................... 3
- GEO 172 Human Geography ................................................ 3
- GEO 255 Geography of the Global Economy ............................ 3
- GEO 260 Geographies of Development in the global South .................. 3
- GEO 320-365 Regional Geography Courses .................................. 3
- GEO 455 Globalization and the Changing World Economy ...................... 3
- GEO 456 Tourism and Recreational Geography ......................... 3
- GEO 551 Japanese Multinational Corporations .............................. 3

**Medical and Health Geography**

Take 6 for 18 credit hours:

- GEO 172 Human Geography ................................................ 3
- GEO 261 Global Dynamics of Health and Disease .......................... 3
- GEO 309 Introduction to GIS .................................................. 3
- GEO 320-365 Regional Geography Courses .................................. 3
- GEO 422 Urban Geography .................................................. 3
- GEO 475G Medical Geography ............................................... 3
- GEO 585 Aging and Environment ........................................... 3

**Urban Planning and Urban Studies**

Take 6 for 18 credit hours:

- GEO 161 Global Inequalities ................................................. 3
- or GEO 164 iWorlds: Global Information Geographies .......................... 3
- GEO 172 Human Geography ................................................ 3
- GEO 220 U.S. Cities ........................................................... 3
- GEO 222 Cities of the World ............................................... 3
- GEO 235 Environmental Management and Policy .......................... 3
- GEO 285 Introduction to Planning ......................................... 3
- GEO 309 Introduction to GIS .................................................. 3
- GEO 422 Urban Geography .................................................. 3
- GEO 455 Globalization and the Changing World Economy ...................... 3
- GEO 485G Urban Planning and Sustainability ............................. 3
- GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3

**Minor in Mapping and GIS**

The minor in Mapping and GIS requires 18 hours as follows:

- **Introduction to Digital Mapping** (3 hours)
  - GEO 109 Digital Mapping .................................................. 3
  - or GEO 164 iWorlds: Global Information Geographies .......................... 3

- **GIS Theories and Methods** (6 hours)
  - GEO 309 Introduction to GIS .................................................. 3
  - GEO 409 Advanced GIS .................................................... 3

- **GIS Design and Application** (9 hours)
  - Complete three of the following:
    - GEO 305 Elements of Cartography ........................................... 3
    - or GEO 399 Internship in Geography ........................................... 3

- GEO 415 Map Interpretation .................................................. 3
- GEO 419 Introduction to Remote Sensing ...................................... 3
- GEO 505 Practicum in Cartography ........................................... 3
- GEO 506 Introduction to Computer Cartography ............................ 3
- GES 509 Workshop in Geospatial Technologies ............................... 3
- *GEO 560 Independent Work in Geography ..................................... 3
- *GEO 565 Topics in Geography ................................................ 3
- *With approval of DUS for GIS/Mapping related internships or independent study.

**Health, Society, and Populations**

The undergraduate program in Health, Society, and Populations (HSP) focuses on understanding health outcomes and their unequal distribution as a product of multiple interacting influences, including healthcare, behaviors, environmental conditions, genetic and biological factors, and social and cultural characteristics of groups and individuals. The B.A. in HSP provides graduates with a broad liberal-arts education in addition to a concentration on social science-based approaches to population health. Students may further specialize in three areas: Global Health, Health Ecologies, and Social Inequalities in Health and Illness. HSP students will obtain fundamental knowledge of the complex relationship that exists among the global economy, societal problems and needs, and the distribution of health and illness, in addition to providing students the opportunity to develop critical thinking, communication, and independent study skills necessary for many entry-level career opportunities in city, state and federal government, nonprofit organizations and in the public and private health sectors.

**Bachelor of Arts with a major in Health, Society, and Populations**

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 131.

**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

Recommended:

- 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

Recommended – one of the following:

- MA 111 Introduction to Contemporary Mathematics .......................... 3
- MA 113 Calculus I ........................................................................ 4
- MA 123 Elementary Calculus and its Applications ............................ 4
- MA 137 Calculus I with Life Science Applications ............................ 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: ................................................................................. 30-32

Graduation Composition and Communication Requirement (GCCR)

HSP 499 Health, Society and Populations Capstone

(Subtitle required) ............................................................................. 3

Graduation Composition and Communication Requirement hours (GCCR) .................................................. 3

**College Requirements**

I. Foreign Language

(placement test recommended) .................................................. 6-14

II. Disciplinary Requirements

a. Natural Science

(may be satisfied by major requirements) ........................................ 0-6

b. Social Sciences

(may be satisfied by major requirements) ........................................ 0-6

c. Humanities ............................................................................. 6

III. Laboratory or Field Work

(PST 100 recommended) ......................................................... 1-3

IV. Electives .................................................................................. 6

College Requirement hours: .................................................. 19-29

**Major Requirements**

**Hours**

Major courses that also fulfill the A&S College requirements are marked with "†"; major courses that also fulfill UK Core areas are marked with "‡". 24 credit hours within the major must be at the 300+ level.

**Statistics**

Choose one of the following (3 hours):

- STA 296 Statistical Methods and Motivations .................................. 3
- *SOC 303 Quantitative Social Analysis ........................................ 3
- *GEO 309 Introduction to GIS .................................................... 3

**Math**

Choose one of the following (3-4 hours):

- MA 109 College Algebra ......................................................... 3
- †MA 111 Introduction to Contemporary Mathematics .......................... 3
- †MA 113 Calculus I ........................................................................ 4
- †MA 123 Elementary Calculus and its Applications ............................ 4
- †MA 137 Calculus I with Life Science Applications ............................ 4
- MA 111, 113, 123, 137 recommended.
## College of Arts and Sciences

### Writing

(3 hours):

WRD 205 Writing and Rhetoric (Subtitle required)
see HSP advisor for appropriate subtitles .......................... 3

### Science

Choose one BIO course and one from any of the remaining science electives (6 hours):

- ANA 109 Anatomy and Physiology for Nursing I ........ 3
- ANA 110 Anatomy and Physiology for Nursing II ....... 3
- ANA 209 Principles of Human Anatomy .................. 3
- *BIO 102 Human Ecology ....................................... 3
- *BIO 103 Basic Ideas of Biology ................................. 3
- *BIO 148 Introductory Biology I ................................. 3
- *BIO 208 Principles of Microbiology ......................... 3
- *CHE 104 Introductory General Chemistry ................. 3
- *CHE 108 Introduction to Inorganic, Organic, and Biochemistry without Laboratory .......................... 3
- *PGY 206 Elementary Physiology ............................. 3

### Social Science Approaches to Health (9 hours):

Required

HSP/SOC 255 Medicine, Health, and Society .................. 3

plus two of the following:

- *ANT 429 Survey of Medical Anthropology ............... 3
- *GEO 475G Medical Geography .................................. 3
- *PSY 223 Developmental Psychology ........................ 3
- SOC 355 Sociology of Health and Illness .................... 3

### Topics in Society and Health (12 hours):

For a total of four additional courses, choose any remaining courses from the Social Science Approaches to Health category above, or from the following list. Students must choose courses from at least two different disciplines:

- *ANT 225 Culture, Environment and Global Issues .... 3
- *ANT 251 Global Health: Culture, Pathologies and Social Inequalities ..................................................... 3
- *ANT 303 Topics in Anthropology of Food and Nutrition (Subtitle required) ......................................................... 3
- *ANT 333 Contemporary Human Variation................ 3
- *GEO 261 Global Dynamics of Health and Disease ....... 3
- *GEO 544 Human Population Dynamics ..................... 3
- GRN 250 Aging in Today’s World ............................... 3
- GRN 585 Aging and Environment ................................ 3
- *GWS 300 Topics in Gender and Women’s Studies (Subtitle required) ................................................................. 3
- *HIS 384 Health and Disease in the U.S. ....................... 3
- *PHI 305 Health Care Ethics ......................................... 3
- *SOC 235 Inequalities in Society .................................. 3
- *SOC 340 Community Interaction .............................. 3
- *SOC 360 Environmental Sociology ............................. 3
- *SOC 439 Topics in Crime, Law and Deviance (Subtitle required) ................................................................. 3

*Course is approved only when the subtitle is “Gender, Race and Science.”

### Health Professions

Choose two from the following (6 hours):

- CPH 201 Introduction to Public Health Health .................. 3
- CPH 202 Public Health Through Popular Film ............... 3
- CPH 203 Sexual Health ............................................. 3
- CPH 310 Disease Detectives: Epidemiology in Action .................. 3
- CPH 320 Fundamentals of Environmental Health ............ 3
- CPH 440 Foundations of Health Behavior ..................... 3
- CPH 450 Managing Health Organizations to Improve Population Health ................................................ 3
- CPH 4510 A Sick World: Global Public Health in the Early 21st Century ............................................. 3
- CPH 472 Public Health Professions and Practice ............ 3

### HISPANIC STUDIES

The Department of Hispanic Studies aims to develop students’ Spanish language skills, to deepen their understanding of Spanish-speaking cultures and literatures domestically and abroad, to sharpen their critical thinking, and to heighten their awareness of their role as local and global citizens in a pluralistic society. The department offers a major with three specialty options and a minor in Spanish.

### 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 131.

### 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 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: .................................................. 3

### Graduation Composition and Communication Requirement (GCCR)

- SPA 295 Writing to Meet the Composition Requirement (GCCR) ................................................................. 3

### College Requirements

- SPA 310 Spanish Composition Through Textual Analysis ............. 3

### Other Course Work Required for the Major

From the Major Department:

- Choose 10 300+ level Spanish courses to include at least 4 courses at the 400+ level from any of the 3 available options and that fulfill the requirements for one of the three options listed below .................................................. 3

From Outside the Major Department

- Choose 3 courses outside Spanish (SPA) with any of the following prefixes at the 200+ level that complement the major. Courses used to satisfy College requirements may also count here. Courses with prefixes not listed below must be approved by the Director of Undergraduate Studies .... 9

- A-E – Art Education
- A-H – Art History
- A-S – Art Studio
- AAD – Arts Administration
- AAS – African American Studies
- AIS – Arabic and Islamic Studies
- ANT – Anthropology
- APP – Appalachian Studies
- ART – Art
- BSC – Behavioral Science
- CGS – Cognitive Science
- CHI – Chinese Culture and Language
- CIS – Communications and Information Studies
- CLA – Classics
- CLD – Community and Leadership Development

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CLM – Clinical Leadership and Management
COM – Communication
CSD – Communication Sciences and Disorders
EAP – Education Abroad Program
EDC – Curriculum and Instruction
EDL – School Administration
EDP – Educational and Counseling Psychology
EDS – Special Education
EDU – Education
ELS – Teacher Leadership
ENG – English
EPE – Educational Policy Studies and Evaluation
FA – Fine Arts
FR – French Language and Literature
GEO – Geography
GER – German Studies
GWS – Gender and Women’s Studies
HJS – Hebrew and Jewish Studies
HMN – Humanities
HP – Historic Preservation
IAS – Interdisciplinary American Studies
IEC – Interdisciplinary Early Childhood Education
INT – International Studies
IS – Information Studies
ISC – Integrated Strategic Communication
ISP – International Studies Program
ITA – Italian
JAT – Journalism, Advertising, Telecommunications
JOU – Journalism
JPN – Japan Studies
LAS – Latin American Studies
LIN – Linguistics
LIS – Library and Information Science
MAS – Media Arts and Studies
MCL – Modern and Classical Languages
MUC – Class Instruction in Music
MUP – Music Performance
MUS – Music
PA – Public Administration
PS – Political Science
PSY – Psychology
RS – Religious Studies
RUS – Russian
SOC—Sociology
ST – Social Theory
SW – Social Work
TA – Theatre
TSL – Teaching English as a Second Language
WRD – Writing, Rhetoric and Digital Media

Total Major hours: 42

OPTIONS

Option A – Spanish Language and Linguistics

Required Course
SPA 310 Spanish Composition
Through Textual Analysis

Specialty Option Courses
Choose 18 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:
    Cultivating Intercultural Competence

SPA 302 Spanish for Business Professionals

SPA 313 Advanced Spanish Language

SPA 323 Introduction to Spanish Translation

SPA 332 Spanish and Latin American Business Environments

SPA 397 Independent Work in Spanish

SPA 399 Field Based/Community Based Education

*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

SPA 410 Advanced Spanish Grammar

SPA 413 Spanish Phonetics

SPA 420 Spanish in the World

SPA 423 Advanced Spanish Translation

SPA 430 Introduction to Spanish Linguistics

*SPA 480 Hispanic Kentucky

*SPA 497 Hispanic Studies Honors Thesis

SPA 501 Spanish Phonetics, Pronunciation and Phonemics

SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics

*These courses must have a focus on language or linguistics.

Non-specialty Option Courses

Choose 6 credit hours from Literature and Culture courses:

**SPA 300 Contact Zones:
    Cultivating Intercultural Competence

SPA 312 Civilization of Spain

SPA 314 Civilization of Spanish America

SPA 315 Introduction to Hispanic Literature

SPA 320 Literature, Life and Thought of Spain

SPA 322 Literature, Life and Thought of Spanish America

SPA 324 The Theatre in Spain and Spanish America

SPA 328 Literature and Life and Thought of Spain

SPA 329 Literature and Life and Thought of Spanish America

**SPA 399 Field Based/Community Based Education

**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

SPA 420 Medieval and Early Modern Spanish Studies

SPA 438G Literature of Social Protest

**SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)

SPA 464 Contemporary Spanish-American Studies

SPA 472 Spanish Composition

SPA 482 Spanish Language and Literature

SPA 497 Hispanic Studies Honors Thesis

SPA 499 Field Based/Community Based Education

**These courses must have a focus on literature or culture.

Non-specialty Option Courses

Choose 6 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:
    Cultivating Intercultural Competence

SPA 302 Spanish for Business Professionals

SPA 313 Advanced Spanish Language

SPA 323 Introduction to Spanish Translation

SPA 332 Spanish and Latin American Business Environments

SPA 397 Independent Work in Spanish

SPA 399 Field Based/Community Based Education

*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

SPA 410 Advanced Spanish Grammar

SPA 413 Spanish Phonetics

SPA 420 Spanish in the World

SPA 423 Advanced Spanish Translation

SPA 430 Introduction to Spanish Linguistics

*SPA 480 Hispanic Kentucky

*SPA 497 Hispanic Studies Honors Thesis

SPA 501 Spanish Phonetics, Pronunciation and Phonemics

SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics

*These courses must have a focus on language or linguistics.

Total SPA hours: 30

Option B – Spanish Literature and Culture

Required Course
SPA 310 Spanish Composition
Through Textual Analysis

Specialty Option Courses
Choose 18 credit hours from Literature and Culture courses:

**SPA 300 Contact Zones:
    Cultivating Intercultural Competence

SPA 312 Civilization of Spain

SPA 314 Civilization of Spanish America

SPA 315 Introduction to Hispanic Literature

SPA 320 Literature, Life and Thought of Spain

SPA 322 Literature, Life and Thought of Spanish America

SPA 324 The Theatre in Spain and Spanish America

SPA 350 Hispanic Cities (Subtitle required)

SPA 361 Latin American Literature in Translation (Subtitle required)

SPA 371 Latin American Cinema (Subtitle required)

SPA 372 Spanish Cinema (Subtitle required)

**SPA 397 Independent Work in Spanish (Subtitle required)

**SPA 399 Field Based/Community Based Education

**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

SPA 420 Medieval and Early Modern Spanish Studies (Subtitle required)

SPA 438G Literature of Social Protest in Spanish America

SPA 444 20th and 21st Century Spanish Studies (Subtitle required)

SPA 434 Spanish Literature of the 20th Century

SPA 438G Literature of Social Protest in Spanish America

SPA 519 Themes in Medieval and Early Modern Spanish Literature and Culture (Subtitle required)

SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required)

SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required)

**These courses must have a focus on literature or culture.

Non-specialty Option Courses

Choose 6 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:
    Cultivating Intercultural Competence

SPA 302 Spanish for Business Professionals

SPA 313 Advanced Spanish Language

SPA 323 Introduction to Spanish Translation

SPA 332 Spanish and Latin American Business Environments

SPA 397 Independent Work in Spanish

SPA 399 Field Based/Community Based Education

*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

SPA 410 Advanced Spanish Grammar

SPA 413 Spanish Phonetics

SPA 420 Spanish in the World

SPA 423 Advanced Spanish Translation

SPA 430 Introduction to Spanish Linguistics

*SPA 480 Hispanic Kentucky

*SPA 497 Hispanic Studies Honors Thesis

SPA 501 Spanish Phonetics, Pronunciation and Phonemics

SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics

*These courses must have a focus on language or linguistics.

Total SPA hours: 30
Option C – Spanish (General)

Required Course
SPA 310 Spanish Composition
Through Textual Analysis ........................................... 3

Specialty Option Courses
Choose 9 credit hours from Language and Linguistics courses:
*SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................................... 3
SPA 302 Spanish for Business Professionals ....................... 3
SPA 313 Advanced Spanish Language ........................................... 3
SPA 323 Introduction to Spanish Translation ..................... 3
SPA 328 Spanish and Latin American Business Environments .... 3
*SPA 397 Independent Work in Spanish ......................... 3
*SPA 399 Field Based/Community Based Education ........... 1-15
*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) ................................. 3
SPA 410 Advanced Spanish Grammar ........................................... 3
SPA 411 Spanish Phonetics ........................................... 3
SPA 420 Spanish in the World ........................................... 3
SPA 423 Advanced Spanish Translation ........................................... 3
SPA 430 Introduction to Spanish Linguistics ................. 3
*SPA 480 Hispanic Kentucky ........................................... 3
*SPA 497 Hispanic Studies Honors Thesis ...................... 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .... 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics ........................................... 3

These courses must have a focus on language or linguistics.

Non-specialty Option Courses
Choose 9 credit hours from Literature and Culture courses:
**SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................................... 3
SPA 312 Civilization of Spain ........................................... 3
SPA 314 Civilization of Spanish America ........................................... 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 350 Hispanic Cities (Subtitle required) .................... 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 397 Independent Work in Spanish ....................... 3
***SPA 399 Field Based/Community Based Education ........ 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) ......................... 3
SPA 410 Advanced Spanish Grammar ........................................... 3
SPA 413 Spanish Phonetics ........................................... 3
SPA 420 Spanish in the World ........................................... 3
SPA 423 Advanced Spanish Translation ........................................... 3
SPA 430 Introduction to Spanish Linguistics ................. 3
SPA 480 Hispanic Kentucky ........................................... 3
SPA 497 Hispanic Studies Honors Thesis ...................... 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .... 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics ........................................... 3

These courses must have a focus on language or linguistics.

Minor in Spanish

The minor in Spanish requires a total of 21 hours based on the following distribution:

Prerequisites
SPA 210 Spanish Grammar and Syntax ........................................... 3
SPA 211 Intermediate Spanish Conversation ......................... 3

Required Core Course
SPA 310 Spanish Composition
Through Textual Analysis ........................................... 3

plus 12 credit hours at the 300+ level. At least 3 credit hours must be from the Language and Linguistics courses listed below; at least 3 credit hours must be from the Literature and Culture courses listed below:

Language and Linguistics Courses
SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................................... 3
SPA 302 Spanish for Business Professionals ....................... 3
SPA 313 Advanced Spanish Language ........................................... 3
SPA 323 Introduction to Spanish Translation ..................... 3
SPA 397 Independent Work in Spanish ......................... 3
SPA 399 Field Based/Community Based Education ........... 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) ......................... 3
SPA 410 Advanced Spanish Grammar ........................................... 3
SPA 413 Spanish Phonetics ........................................... 3
SPA 420 Spanish in the World ........................................... 3
SPA 423 Advanced Spanish Translation ........................................... 3
SPA 430 Introduction to Spanish Linguistics ................. 3
SPA 480 Hispanic Kentucky ........................................... 3
SPA 497 Hispanic Studies Honors Thesis ...................... 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .... 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics ........................................... 3

Literature and Culture Courses
SPA 300 Contact Zones:
Cultivating Intercultural Competence ........................................... 3
SPA 312 Civilization of Spain ........................................... 3
SPA 314 Civilization of Spanish America ........................................... 3
SPA 315 Introduction to Hispanic Literature .................. 3
SPA 320 Literature, Life and Thought of Spain .................. 3
SPA 324 Literature, Life and Thought of Spanish America ........ 3
SPA 350 Hispanic Cities (Subtitle required) .................... 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 397 Independent Work in Spanish ....................... 3
***SPA 399 Field Based/Community Based Education ........ 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) ......................... 3
SPA 410 Advanced Spanish Grammar ........................................... 3
SPA 413 Spanish Phonetics ........................................... 3
SPA 420 Spanish in the World ........................................... 3
SPA 423 Advanced Spanish Translation ........................................... 3
SPA 430 Introduction to Spanish Linguistics ................. 3
SPA 480 Hispanic Kentucky ........................................... 3
SPA 497 Hispanic Studies Honors Thesis ...................... 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .... 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics ........................................... 3

Required Courses
 SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required) ........................................... 3

Additional Courses
Choose 12 credit hours from either list ........................................... 12

These courses must have a focus on literature or culture.

Total SPA hours: .......................................................... 30
Major Requirements

Major Core Requirements
HIS 104 A History of Europe through the Mid-Seventeenth Century and
HIS 107 Western Culture: Science and Technology I and
HIS 108 History of the United States Through 1876 and
HIS 109 History of the United States Since 1877

Premajor requirements
HIS 499 Senior Seminar for History Majors

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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, complementing coursework in numerous other disciplines, including the humanities, the social sciences, and the natural and applied sciences.

The minor in History requires a minimum of 18 hours of course work to include:

1. A 6-hour sequential introduction to the history of a civilization or a nation. This may be selected from:

   a. Natural Science

   b. Social Science

   c. Humanities (completed by Major Requirements)

   III. Laboratory or Field Work

   IV. Electives

   *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 131-132.

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

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

Total Minimum Hours Required for Degree: 120

Premajor requirements
HIS 104 A History of Europe through the Mid-Seventeenth Century

OR
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present

Premajor hours: 3

Other Course Work Required for the Major

From the Major Department:
Choose 24 hours to include at least 6 hours in pre-1789 work; at least 6 hours in post-1789 work; at least 3 hours in American history; at least 3 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

Premajor hours: 24

Other Major hours: 39
HIS 104/105 A History of Europe through the Mid-17th Century
HIS 106/107 Western Culture: Science and Technology I / Western Culture: Science and Technology II
HIS 108/109 History of the United States Through 1876/ History of the United States Since 1877
HIS 202/203 History of the British People to the Restoration/History of the British People Since the Restoration
HIS 229/230 The Ancient Near East and Greece to the Death of Alexander the Great/The Hellenistic World and Rome to the Death of Constantine
HIS 295/296 East Asia to 1800/ East Asia Since 1600
HIS 370/371 Early Middle Ages/Later Middle Ages
HIS 385/386 History of Russia to 1825/History of Russia Since 1825
2. 12 hours of course work at or above the 300 level, at least 6 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 131.

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 Composition and Communication Requirement (GCCR)

INT 495 Capstone Seminar for International Studies Majors (Subtitle required) .................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................... 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

Distribution Requirements

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.
2. Students must apply to their IS major at least one course from four different departments and/or academic programs.
3. Students must complete at least 24 of the major’s total credit hours at the 300 level or above.

Major Requirements

Pathway Courses

Complete 6 credit hours from the following list. Courses must be from two departments:

ANT 160 Cultural Diversity in the Modern World ........ 3
ANT 225 Culture, Environment and Global Issues ........ 3
GEO 152 Regional Geography of the World ............... 3
GEO 160 Lands and Peoples of the Non-Western World .... 3
GEO 161 Global Inequalities ................................... 3

GEO 162 Introduction to Global Environmental Issues .......... 3

HIS 104 A History of Europe through the Mid-17th Century .... 3
HIS 105 A History of Europe from the Mid-17th Century to the Present ............ 3
PS 210 Introduction to Comparative Politics ................ 3
PS 235 World Politics ............................................ 3

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

Capstone Senior Project

Complete the following course:
INT 495 Capstone Seminar for International Studies Majors (Subtitle required) .................... 3

Thematic and Area Concentrations

Complete one of the following:
1. 15 credit hours in a thematic concentration and 12 credit hours with an area concentration ...... 27
2. 15 credit hours with an area concentration and 12 credit hours in a thematic concentration .... 27

Thematic Concentrations

(12-15 credit hours in one theme and from at least two departments)

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 global perspectives.

A-H 310 Asian Art and Culture (Subtitle required) .......... 3

A-H 332 Medieval (Subtitle required) ......................... 3

A-H 334 Reframing Renaissance Art ......................... 3

AIS 228 Islamic Civilization .................................... 3

AIS 330 Islamic Civilization II ................................ 3

AIS 331 Classical Arabic Literature (in English) .......... 3

AIS 435 Topics in Islamic Studies (Subtitle required) .... 3

CHI 320 Gender Politics in Chinese Literature .......... 3

CHI 321 Introduction to 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

CHI 511 Literary Chinese ........................................ 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 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 480f Studies in Greek and Latin Literature (Subtitle required) .................... 3

CLA 524 The Latin Literature of the Republic (Subtitle required) .................... 3

CLA 525 The Latin Literature of the Empire (Subtitle required) .................... 3
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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 
(Subtitle required) .................................................. 3
*SOC 444 Topics in Political Sociology 
(Subtitle required) .................................................. 3
SW 320 Global Poverty: Responses Across Cultures .... 3
*The subtitle for this course must directly relate to the Comparative Politics and Societies concentration. You must check with the IS director or advisor for verification prior to taking the course.

Area Concentrations

(12-15 credit hours in one theme and from at least two departments)

Africa and the Middle East
AIS 228 Islamic Civilization ........................................ 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 222 Middle East Cultures ...................................... 3
ANT 241 Origins of Old World Civilization ................. 3
ANT 326 People and Cultures 
of Sub-Saharan Africa .................................................... 3
ENG 4400G Studies in British Literature 
(Subtitle required) ......................................................... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation 
(Subtitle required) ......................................................... 3
GEO 328 Geography of the Middle East 
and North Africa ............................................................ 3
GEO 336 Geography of Sub-Saharan Africa ................. 3
HIS 208 History of the Atlantic World ....................... 3
HIS 254 History of Colonial and Post-Colonial Africa .... 3
HIS 549 History of the Middle East: 
1952 to the Present ...................................................... 3
HIS 550 Studies in the Mid-East History and Politics 
(Subtitle required) ......................................................... 3
HIS 324 Jewish Thought and Culture I: 
From Ancient Israel to the Middle Ages ................. 3
HIS 325 Jewish Thought and Culture II: 
From the Expulsion from Spain to the Present .......... 3
*INT 350 Special Topics in International Studies 
(Subtitle required) ......................................................... 3
INT 399 Internship in International Studies ............... 3
PHI 504 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 ................. 3
*SOC 444 Topics in Political Sociology 
(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.

Europe
A-H 332 Medieval (Subtitle required) ......................... 3
A-H 334 Reframing Renaissance Art ......................... 3
ANT 241 Origins of Old World Civilization ............... 3
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change .......... 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 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 480G Studies in Greek and Latin Literature 
(Subtitle required) ......................................................... 3
CLA 509 Roman Law ................................................... 3

East, South, and Southeast Asia
A-H 310 Asian Art and Culture (Subtitle required) .... 3
ANT 241 Origins of Old World Civilization ............... 3
ANT 327 Culture and Societies of India 
and South Asia ............................................................ 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
Chi 511 Literary Chinese .............................................. 3
ENG 4400G Studies in British Literature 
(Subtitle required) ......................................................... 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 551 Japanese Multinational Corporations ........... 3
HIS 295 East Asia to 1800 ......................................... 3
HIS 296 East Asia Since 1600 .................................... 3
HIS 593 East Asian History Since World War II ......... 3
HIS 597 Westerners in East Asia, 
1839 to the Present .................................................... 3
HIS 598 China in Revolution, 1895-1976 ................. 3
INT 350 Special Topics in International Studies 
(Subtitle required) ......................................................... 3
INT 399 Internship in International Studies ............... 3
ITA 443G Survey of Italian Literature I ..................... 3
JPN 320 Introduction to Japanese Culture, 
Pre-Modern to 1868 .................................................. 3
JPN 321 Introduction to Japanese Culture, 
Meiji (1868) to Present ............................................. 3
JPN 351 The Japanese Experience 
of the Twentieth Century .......................................... 3
JPN 400G Topics in Japan Studies 
(Subtitle required) ......................................................... 3
JPN 405 Seminar in Japanese and Asian Studies 
(Subtitle required) ......................................................... 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
PHI 334 Asian Philosophy ............................................ 3
PHI 504 Islamic and Jewish Philosophy 
and the Classical Tradition .......................................... 3
*PS 410 Topics in Regional Politics 
(Subtitle required) ......................................................... 3
*SOC 444 Topics in Political Sociology 
(Subtitle required) ......................................................... 3
*The subtitle for this course must directly relate to the East, South, and Southeast Asia concentration. You must check with the IS director or advisor for verification prior to taking the course.
### 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 131-132.

**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 | 3 |
| II. Intellectual Inquiry in the Humanities | 3 |
| III. Intellectual Inquiry in the Social Sciences | 3 |
| IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences | 3 |
| V. Composition and Communication I | 3 |
| VI. Composition and Communication II | 3 |
| VII. Quantitative Foundations | 3 |
| VIII. Statistical Inferential Reasoning | 3 |
| IX. Community, Culture and Citizenship in the USA | 3 |
| X. Global Dynamics | 3 |
| UK Core hours: | 30 |

**Graduation Composition and Communication Requirement (GCCR)**

| INT 495 Capstone Seminar for International Studies Majors (Subtitle required) | 3 |

**Graduation Composition and Communication Requirement hours (GCCR)**

**30**

**College Requirements**

1. **I. Foreign Language** (placement exam recommended, completed by Major Requirements) | 0-14 |
2. **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 |
3. **III. Laboratory or Field Work** | 1 |
4. **IV. Electives** | 6 |

**Subtotal: College hours:** 25-39

**Distribution Requirements**

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.
2. Students must apply to their IS major at least one course from four different departments and/or academic programs.
3. Students must complete at least 24 of the major’s total credit hours at the 300 level or above.

**Major Requirements**

**Pathway Courses**

Complete 6 credit hours from the following list. Courses must be from two departments:

- **ANT 130 Introduction to Comparative Religion** | 3 |
- **ANT 160 Cultural Diversity in the Modern World** | 3 |
College of Arts and Sciences

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 through the Mid-17th Century .... 3
HIS 105 A History of Europe from the Mid-17th Century to the Present ........ 3
PS 210 Introduction to Comparative Politics ...................... 3
PS 235 World Politics ....................................................... 3
TA 385 World Theatre I .................................................. 3

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

Capstone Senior Project
Complete the following course:
INT 495 Capstone Seminar for International Studies
Majors (Subtitle required) .................................................. 3

Thematic and Area Concentrations
Complete one of the following:

1. 15 credit hours in a thematic concentration and
   12 credit hours with an area concentration .............. 27
2. 15 credit hours in an area concentration and
   12 credit hours in a thematic concentration ............. 27

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 Anthropology of Globalization .......................... 3
ANT 327 Culture and Societies of India and South Asia .......... 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 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 516 Grammatical Typology .................................... 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 575 Field Laboratory in Archaeological Research .......... 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

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 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 480G Studies 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 Antiquity and Post-Imperial Latin Literature (Subtitle required) .......... 3

HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present ........ 3

HJS 325 Jewish Thought and Culture II: History of Russia from 1800 to the Present ........ 3

HJS 346G Special Topics Seminar .................................... 3

HIS 405 The Byzantine Empire ......................................... 3

HIS 505 Studies in Major Authors .................................... 3

^HIS 546 The Byzantine Empire ......................................... 3

^HIS 547 Economic History of the Third Millennium .......... 3

HIS 548 The American Revolution ................................... 3

^HIS 549 World History of the Middle Ages ....................... 3

HIS 564 History of Brazil ............................................... 3

HIS 575 The Diplomacy and Foreign Policy of the United States to 1919 ........ 3

HIS 576 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 308 Studies in African Arts (Subtitle required) .......... 3
A-H 310 Asian Art and Culture (Subtitle required) .......... 3

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The Global Environment concentration focuses on the interplay of peoples, information, capital, culture and physical geographies.

ANT 302 Ethnographic Methods: Doing Anthropology .............................................
ANT 311 Anthropology of Globalization .................................................................
ANT 332 Human Evolution ....................................................................................
ANT 333 Contemporary Human Variation ............................................................
ANT 338 Economic Anthropology ...........................................................................

"The subtitle for this course must directly relate to the Global Environment Concentration. You must check 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 302 Ethnographic Methods: Doing Anthropology .............................................
ANT 311 Anthropology of Globalization .................................................................
ANT 332 Human Evolution ....................................................................................
ANT 333 Contemporary Human Variation ............................................................
ANT 338 Economic Anthropology ...........................................................................

"The subtitle for this course must directly relate to the Global Environment Concentration. You must check 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.
### Area Concentrations

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>FR 350</td>
<td>Francophone Cultures (Subtitle required)</td>
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<td>GEO 328</td>
<td>Geography of the Middle East and North Africa</td>
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<td>GEO 336</td>
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<td>MUS 330</td>
<td>Music in the World (Subtitle required)</td>
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<td>A-H 310</td>
<td>Asian Art and Culture (Subtitle required)</td>
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<td>A-H 527</td>
<td>Interdisciplinary Approaches</td>
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<td>Introduction to the Qur'an</td>
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<td>Culture and Societies of India and South Asia</td>
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ENG 242 Survey of British Literature II ................................................ 3
ENG 274 Classics of Western Literature ............................................. 3
*ENG 330 Text and Context (Subtitle required) .................................. 3
ENG 342 Shakespeare ......................................................................... 3
ENG 440F Special 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 270 The German Cultural Tradition II ..................................... 3
GER 311 Introduction to German Literature: Topics (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 515 Studies in Major Authors ................................................... 3
GER 516 Studies in Genre ................................................................ 3
*GER 520 Special Topics Seminar .................................................... 3
GER 540 Multidisciplinary German Studies Seminar (Subtitle required) 3
HIS 202 History of British People to the Restoration ....................... 3
HIS 203 History of British People Since the Restoration .................... 3
HIS 208 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 (1760-1815) 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
HIS 543 German History Since 1918 .............................................. 3
HIS 546 The Byzantine Empire ....................................................... 3
HIS 552 Tudor-Stuart Britain, 1485-1714 ........................................ 3
HIS 553 Eighteenth Century Britain ................................................ 3
HIS 554 British History 1815-1901 .................................................. 3
HIS 555 British History Since 1901 ................................................ 3
HIS 556 The British Empire, 1322-1879 ......................................... 3
HIS 557 British Empire and Commonwealth, 1880-2000 ............... 3
HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .................................................. 3
HIS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present ............................................. 3
HIS 425 Topics in Judaic Studies (Subtitle required) .................... 3
ITA 263 Studies in Italian Culture (Subtitle required) ................. 3
ITA 443G Survey of Italian Literature I ......................................... 3
*PS 410 Topics in Regional Politics (Subtitle required) .................. 3
PS 427G East European Politics ................................................. 3
SPA 262 Hispanic Literatures in Translation (Subtitle required) ...... 3
SPA 312 Civilization of Spain ...................................................... 3
SPA 320 Literature, Life and Thought of Spain .............................. 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 444 20th and 21st Century Spanish Studies (Subtitle required) 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics ............................................. 3
TA 485 French Theatre: Culture, Text and Performance ................ 3

*The subtitle for this course must directly relate to the Europe Concentration. You must check with the IS director or advisor for verification prior to taking the course.

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 538 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 527 Interdisciplinary Approaches (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
*GE 365 Special Topics in Regional Geography (Subtitle required) 3

*HIS 355 Topics in Non-Western History Since 1789 .................. 3
HIS 356 History of Russia to 1825 ............................................. 3
HIS 358 History of Russia Since 1825 ......................................... 3
HIS 359 Russia in the 19th Century ............................................. 3
HIS 355 Russia in the 20th Century ............................................. 3
HIS 356 Intellectual and Cultural History of Russia to 1800 .......... 3
HIS 357 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 275 Russian Film ............................................................... 3
RUS 370 Russian Folklore (in English) ......................................... 3
RUS 371 Russian Culture 900-1900 ............................................ 3
RUS 372 Russian Culture 1900-Present ...................................... 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

Minor in International Studies

The minor in International Studies requires 18 credit hours of course work, 12 of which must be at the 300 level or above. Nine of the 18 credit hours should be in either a thematic or area concentration. No more than 9 credit hours from any other major can apply to the minor. All 18 credit hours must be in approved International Studies courses.

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 131.

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 Composition and Communication Requirement (GCCR)
LIN 222 Introduction to Linguistics II:
Language in Context ....................................................... 3
Graduation Composition and Communication Requirement hours (GCCR) .......................... 3

College Requirements
I. Foreign Language (completed by Premajor Requirements)
II. Disciplinary Requirements
a. Natural Science ....................................................... 6
b. Social Science ....................................................... 6
c. Humanities (completed by Major Requirements) ........................................ 3
III. Laboratory or Field Work.............................................. 1
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 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ........................................ 3
LIN 222 Introduction to Linguistics II:
Language in Context ....................................................... 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 15 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 Work Required for the Major
For the Related Component:
Choose 15 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

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 an 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 131-132.

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 Composition and Communication Requirement (GCCR)
LIN 222 Introduction to Linguistics II:
Language in Context ....................................................... 3
Graduation Composition and Communication Requirement hours (GCCR) .......................... 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 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ........................................ 3
LIN 222 Introduction to Linguistics II:
Language in Context ....................................................... 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 15 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 Work Required for the Major
For the Related Component:
Choose 15 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

Minor in Linguistics

The minor in Linguistics requires 18 hours of course work to include:

LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ........................................ 3
LIN 222 Introduction to Linguistics II:
Language in Context ....................................................... 3
Choose one phonetics/phonology course:
LIN 500 Phonetics ............................................................ 3
or LIN 515 Phonological Analysis .............................................. 3
Choose one morphosyntax/semantics course:
LIN 512 Analysis of English Syntax ........................................... 3
LIN 505 Linguistic Morphology .............................................. 3
LIN 509 Semantics and Pragmatics ........................................... 3

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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 it 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 131.

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 Composition and Communication Requirement (GCCR)
ECON 491G Applied Econometrics ............................. 3

Graduation Composition and Communication Requirement hours (GCCR) ............... 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

III. Laboratory or Field Work
Choose one course from approved list .......................... 1

IV. Electives
Choose one course from approved list .......................... 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
ECON 201 Principles of Economics I ............................................. 3
ECON 202 Principles of Economics II ............................................. 3
ECON 391 Economic and Business Statistics ............................................. 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 9 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 131-132.

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

MA 320 Introductory Probability ............................................. 3
MA 322 Matrix Algebra and its Applications ............................................. 3

Mathematics Core hours: ................................. 13

Economics Core Requirements
ECON 201 Principles of Economics I ............................................. 3
ECON 202 Principles of Economics II ............................................. 3
ECON 391 Economic and Business Statistics ............................................. 3

Economics Core hours: ............................................. 15

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 9 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.
College of Arts and Sciences

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 131.

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 the UK Core. 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 Composition and Communication Requirement (GCCR)

MA 391 Mathematics: Composition and Communication .......... 3

Graduation Composition and Communication Requirement hours (GCCR) ................................ 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 .......................................................... 6

College Requirement hours: ........................................ 25-39

OPTIONS

Option A – Mathematics

Premajor Requirements

*MA 113 Calculus I ..................................................... 4
MA 114 Calculus II .................................................... 4
Premajor hours: ...................................................... 8

Major Requirements

Major Core Requirements

MA 213 Calculus III .................................................... 4
MA 214 Calculus IV ..................................................... 4
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

Other Major hours: .................................................... 18

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.
MA 433G Introduction to Complex Variables
MA 481G Differential Equations
and
MA 483G Introduction to Partial Differential Equations
MA/CS 416G Introduction to Optimization
and
MA/STA 417G Decision Making Under Uncertainty

Other Course Work Required for the Major

From the Major Department:
Choose 6 hours of acceptable MA courses at the 300 level and above (MA 308 may not be used)

From Outside the Major Department:
Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement.

Other Major hours: 15

Total Minimum Hours Required for Degree: 120

*Course used towards completion of a UK Core Requirement.

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 131-132.

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 Composition and Communication Requirement (GCCR)
MA 391 Mathematics: Composition and Communication: 3

Graduation Composition and Communication Requirement hours (GCCR): 3

College Requirements

I. Foreign Language (placement exam recommended): 0-14

II. Disciplinary Requirements
a. Natural Science: 3
b. Social Science: 3

III. Laboratory or Field Work: 1

IV. Electives: 6

College Requirement hours: 16-30

OPTIONS

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 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 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. May not include MA 322.

From Outside the Major Department:
Choose 14 hours outside Mathematics at the 300+ level. Courses are generally chosen from physics, chemistry, biology, logic, computer science, economics, and engineering. 200+ level courses used to satisfy College requirements can also be counted here.

Other Major hours: 32

Option B – Mathematical Sciences

Premajor Requirements
*MA 113 Calculus I or *MA 137 Calculus I with Life Science Applications: 4
MA 114 Calculus II or MA 138 Calculus II with Life Science Applications: 4
CS 115 Introduction to Computer Programming: 3

Premajor hours: 11

Major Requirements

CS 215 Introduction to Program Design, Abstraction and Problem Solving: 4
MA 213 Calculus III: 4
MA 214 Calculus IV: 4
MA/STA 320 Introductory Probability: 3
MA/CS 321 Introduction to Numerical Methods: 3
MA 322 Matrix Algebra and its Applications: 3
STA 321 Basic Statistical Theory I: 3

plus a two-semester sequence chosen from the following:
MA/CS 340 Applicable Algebra and
MA/CS 415G Combinatorics and Graph Theory
MA 432G Methods of Applied Mathematics I and
MA 433G Introduction to Complex Variables
MA 481G Differential Equations and
MA 483G Introduction to Partial Differential Equations
MA/CS 416G Introduction to Optimization and

Minor in Mathematics

The minor in Mathematics requires 21 hours of course work to include:
1. MA 113/114 Calculus I and II and .......... 8
2. MA 213 Calculus III .......... 4 or equivalent
3. MA 322 Matrix Algebra and Its Applications .......... 3 or equivalent

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3. 6 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 Active Army, Army National Guard, and U.S. Army Reserve.

Scholarships

Students interested in Army ROTC scholarships should contact the Army ROTC Admissions Officer at (859) 257-6865; 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

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 (AMS 320), 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 in Fort Knox, KY.

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. Students should 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) 257-6865. Visit the Web site at: http://armyrotc.as.uky.edu/

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 (including Arabic and Islamic Studies, Chinese Studies, Hebrew/Jewish Studies, Japan Studies, Russian Studies).

Bachelor of Arts with a major in MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

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 131.

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 Requirements

I. Foreign Language (completed by Major Requirements)

II. Disciplinary Requirements
   a. Natural Science ........................................... 3-6
   b. Social Science ........................................... 3-6
   c. Humanities (completed by Major Requirements) ............. 3

III. Laboratory or Field Work ........................................ 6

IV. Electives .................................................................... 6

Total College Requirement: 19

MCL Common Core

MCL 100 The World of Language .................................. 3
MCL 200 Global Literacy ............................................ 3

Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student’s field of concentration .................................................. 3

MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone ........................................ 3

Total MCL Common Core: 12

Common Core hours: ...................................................... 12

TRACKS

MCL / Arabic and Islamic Studies

Track Requirements

AIS 228 Islamic Civilization ........................................... 3
AIS 311 Arafah for Business and Media I ....................... 3
AIS 312 Arafah for Business and Media II ..................... 3
AIS 330 Islamic Civilization II ....................................... 3

Track Requirement hours: ............................................. 12

Track Electives

Students must take 18 hours of the following courses toward a total of 42 credits:

AIS 301 Colloquial Arabic I ........................................... 3
AIS 302 Colloquial Arabic II .......................................... 3
AIS 320 Modern Arabic Literature and Film in Translation ............................................................................. 3
AIS 331 Classical Arabic Literature (in English) .............. 3
AIS 338 Women and Islam ............................................ 3
AIS 340 Fundamentalism and Reform in Islam ................. 3
AIS 345 Islamic Mysticism .............................................. 3
AIS 410 Theology and Law in Islam .................................. 3
AIS 430 Islam in America ............................................... 3
AIS 440 Introduction to the Quran ..................................... 3
AIS 442 Arabic Reading I .............................................. 3
AIS 443 Arabic Reading II ............................................. 3
ANT 222 Middle East Cultures ......................................... 3
ANT 326 People and Cultures of Sub-Saharan Africa ....... 3
ANT 327 Culture and Societies of India and South Asia .... 3
GEO 328 Geography of the Middle East and North Africa .. 3
GEO 330 Geography of the Indian Subcontinent .............. 3
GEO 336 Geography of Sub-Saharan Africa .................... 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .............................................................. 3
*PS 410 Topics in Regional Politics (Subtitle required) .... 3

MCL 375 Language Study Abroad or
MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies ....................................... 1-3

*If topic is appropriate.

Total Elective hours ....................................................... 18

Major Requirement hours: ............................................. 42

MCL / Chinese Studies

Track Requirements

CHI 301 Advanced Chinese I ....................................... 3
CHI 302 Advanced Chinese II ...................................... 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .................................................................................. 3
CHI 331 Introduction to Chinese Culture, 1840 to Present ................................................................................. 3

Track Requirement hours: ............................................. 12

Track Electives

Students must take 18 hours of the following courses toward a total of 42 credits:

CHI 310 Sounds of East Asian Languages ....................... 3
CHI 320 Gender Politics in Chinese Literature .................. 3
CHI 321 Introduction to Contemporary Chinese Film .......... 3
CHI 322 Self and Society in Chinese Culture ..................... 3
CHI 345 Introduction to Early Chinese Thought ................. 3
CHI 395 Independent Work in Chinese ....................... 1-3
CHI 401 Advanced Chinese I ......................................... 3
CHI 402 Advanced Chinese II ....................................... 3
CHI 430 Popular Culture in Modern China ..................... 3
CHI 450 Daoism: East and West .................................... 3
CHI 495C Advanced Independent Work in Chinese ............ 3
CHI 511 Literary Chinese ............................................... 3
CHI 520 Introduction to Chinese Linguistics ..................... 3
HIS 355 Topics in Non-Western History Since 1789 ......... 3
HIS 597 Westerners in East Asia, 1839 to the Present .......... 3
HIS 598 China in Revolution, 1895-1976 ......................... 3
A&S 300 Special Course (Subtitle required) .................. 3

MCL 375 Language Study Abroad or
MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies ....................................... 1-3

In addition to the courses above, students may also choose to draw up to 6 credits maximum from the following courses in China and in its East Asian context toward their total of 42 credits:

HIS 295 East Asia to 1800 ............................................. 3
HIS 296 East Asia Since 1600 ........................................ 3
HIS 593 East Asian History Since World War II ............... 3
A-H 310 Asian Art and Culture (Subtitle required) ........... 3
TA 584 Asian Theatre ................................................... 3
GEO 333 Geography of East Asia ................................... 3
MUS 330 Music in the World (Subtitle required) .............. 3
PHI 343 Asian Philosophy ............................................ 3
PS 419G The Governments and Politics of Eastern Asia .... 3

Total Elective hours ....................................................... 18

Major Requirement hours: ............................................. 42

MCL / Classics

Track Requirements

To graduate with a field of study in Classics, the student must complete either Greek to the CLA 252 level or Latin to the 202-level either by successfully completing the specified course, by successfully completing a course above the 200-level in either language, or by demonstrating the equivalent competency.

The student must also complete 18 hours in courses at the 200-level or above with a CLA prefix or cross-listed CLA.

Total Requirement hours: ............................................. 18

Track Electives

In addition, the student must complete 12 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). The following courses are automatically accepted to fulfill this requirement, but other courses may be accepted by the Director of Undergraduate Studies on a case-by-case basis.

A-H 314 Ancient (Subtitle required) ................................. 3
AIS 228 Islamic Civilization .......................................... 3
ANT 240 Introduction to Archaeology ................................ 3
ENG 271 The Bible as Literature ..................................... 3
HIS 330 A History of Western Religious Thought (I) ........... 3
HIS 370 Early 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 546 The Byzantine Empire ...................................... 3
HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .................. 3
MCL 270 Introduction to Folklore and Mythology .............. 3
MCL 375 Topics in Folklore and Myth (Subtitle required) .... 3
PHI 260 History of Philosophy I: From Greek Beginnings to the Middle Ages ............... 3
PHI 503 Topics in Ancient Philosophy ............................ 3
MCL 375 Language Study Abroad or
MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies ....................................... 1-3

Total Elective hours ....................................................... 18

Major Requirement hours: ............................................. 42

MCL / French and Francophone Studies

Track Requirements

FR 204 Introduction to French and Francophone Studies .................................................. 3
FR 214 France Today ...................................................... 3
FR 215 Visual Cultures ................................................. 3
FR 410 French in Performance ......................................... 3
FR 425 Media Studies .................................................... 3
FR 476G Topical Seminar I (Subtitle required) ............... 3
FR 471G Topical Seminar II (Subtitle required) ............... 3

Track Requirement hours: ............................................. 15

Track Electives

Choose 15 hours from among the following courses:

FR 307 French for Business and Economics .................... 3
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
MCL 375 Language Study Abroad or
MCL 376 Cultural Studies Abroad or

Total Elective hours ....................................................... 18

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College of Arts and Sciences
### Bachelor of Science with a major in MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

<table>
<thead>
<tr>
<th>Requirement hours</th>
<th>Minimum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors and Electives</td>
<td>42</td>
</tr>
<tr>
<td>Total Electives</td>
<td>18</td>
</tr>
<tr>
<td>Total Hours</td>
<td>30</td>
</tr>
</tbody>
</table>

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 131-132.

### 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 of the following courses

#### 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

Choose one course from approved list

#### VI. Composition and Communication II

Choose one course from approved list

#### VII. Quantitative Foundations

Choose one course from approved list

#### VIII. Statistical Inference Reasoning

Choose one course from approved list

#### IX. Community, Culture, and Citizenship in the USA

Choose one course from approved list

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### College of Arts and Sciences

#### Track Requirements

**MCL / German Studies**

**Track Requirements**

- GER 307 Intermediate German Composition and Conversation I
- GER 308 Intermediate German Composition and Conversation II
- GER 311 Introduction to German Literature: Themes (Subtitle required)
- GER 312 Introduction to German Literature: Popular Forms

**Track Electives**

In addition, the student must complete 12 hours from the following courses:

- GER 310 German for International Business and Professions
- GER 317 History of German Culture
- GER 319 Contemporary German Literature and Culture
- GER 342 War, Peace, and Terror in Germany and Europe
- GER 352 German-Speaking Europe (Subtitle required)
- GER 361 German Cinema
- GER 363 Germanic Mythology
- GER 395 Independent Work in German
- GER 507 Advanced German Composition and Conversation
- GER 515 Studies in Major Authors
- GER 516 Studies in Genre
- GER 550 Multidisciplinary German Studies Seminar (Subtitle required)
- MCL 343 Global Horror
- MCL 375 Language Study Abroad
- MCL 376 Cultural Studies Abroad
- other Study Abroad courses approved by the Director of Undergraduate Studies

The student must also complete an additional 6 hours of related courses in History, Linguistics, Philosophy, English, Gender and Women’s Studies, or Geography. Courses from an additional major or a minor could be applied here.

**Total Elective hours**

18

**Major Requirement hours:**

42

---

**MCL / Russian Studies**

**Track Requirements**

- RUS 301 Conversation and Composition I
- RUS 302 Advanced Intermediate Russian II
- RUS 371 Russian Culture 900-1900
- RUS 372 Russian Culture 1900-Present
- MCL 375 Language Study Abroad
- MCL 376 Cultural Studies Abroad
- other Study Abroad courses approved by the Director of Undergraduate Studies

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.

**Total Elective hours**

12

**Major Requirement hours:**

42

---

**MCL / Japan Studies**

**Track Requirements**

- JPN 320 Introduction to Japanese Culture, Pre-Modern to 1688
- JPN/ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present
- JPN 351 The Japanese Experience of the Twentieth Century
- JPN 401 Advanced Japanese III
- JPN 402 Advanced Japanese IV

**Track Electives**

In addition, the student must complete 12 hours from the following courses:

- JPN 283 Japanese Film
- JPN 400G Topics in Japan Studies (Subtitle required)
- JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)
- JPN 420G Pre-Modern Literary and Visual Arts of Japan
- JPN 421G Contemporary Literary and Visual Arts of Japan
- JPN 520 Japanese Linguistics and Society
- MCL 324 The City in the Twentieth Century: Tokyo, Shanghai, Paris
- A-H 310 Asian Art and Culture (Subtitle required)
- HIS 295 East Asia to 1800
- HIS 296 East Asia Since 1600
- HIS 357 Japan at War, 1850 to the Present
- GEO/JPN 334 Environment, Society and Economy of Japan
- GEO/JPN 491G Japanese Landscapes
- GEO/JPN 551 Japanese Multinational Corporations
- MCL 375 Language Study Abroad
- MCL 376 Cultural Studies Abroad
- other Study Abroad courses approved by the Director of Undergraduate Studies

**Total Elective hours**

18

**Major Requirement hours:**

42

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**Total Minimum Hours**

120
X. Global Dynamics
AIS 228 Islamic Civilization
CHI 331 Introduction to Chinese Culture, 1840 to Present
GER 342 War, Peace, and Terror in Germany and Europe
GER 361 German Cinema
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present
JPN 351 The Japanese Experience of the Twentieth Century
MCL 343 Global Horror
RUS 370 Russian Folklore (in English)
RUS 371 Russian Culture 900-1900
RUS 372 Russian Culture 1900-Present

UK Core hours: .................................................. 30

Graduation Composition and Communication Requirement (GCCR)
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements
I. Foreign Language (completed by Major Requirements)
II. Disciplinary Requirements
   a. Natural Science .................................................. 3-6
   b. Social Science ................................................... 3-6
   c. Humanities (completed by Major Requirements)
III. Laboratory or Field Work ........................................ 1
   IV. Electives ........................................................... 6

College Requirement hours: .................................. 19

MCL Common Core
MCL 100 The World of Language .................................... 3
MCL 200 Global Literacy ............................................. 3

Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student’s field of concentration .................................................. 3

MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone ............ 3

Common Core hours: ............................................. 12

TRACKS

MCL / Arabic and Islamic Studies
Track Requirements
AIS 228 Islamic Civilization ........................................ 3
AIS 311 Arabic for Business and Media I .................................. 3
AIS 312 Arabic for Business and Media II .................................. 3
AIS 330 Islamic Civilization II ........................................... 3

Track Requirement hours: ........................................ 12

Track Electives
Students must take 18 hours of the following courses toward a total of 42 credits:
AIS 301 Colloquial Arabic I ............................................ 3
AIS 302 Colloquial Arabic II ............................................ 3
AIS 320 Modern Arabic Literature and Film in Translation .................. 3
AIS 331 Classical Arabic Literature (in English) .................................. 3
AIS 338 Women and Islam .............................................. 3
AIS 340 Fundamentaism and Reform in Islam .................................. 3
AIS 345 Islamic Mysticism ............................................... 3
AIS 410 Theology and Law in Islam .................................... 3
AIS 430 Islam in America ................................................ 3
AIS 440 Introduction to the Quran .................................... 3
AIS 442 Arabic Reading I .............................................. 3
AIS 443 Arabic Reading II ............................................. 3
ANT 222 Middle East Cultures ....................................... 3
ANT 326 People and Cultures of Sub-Saharan Africa .................. 3
ANT 327 Culture and Societies of India and South Asia .................. 3
GEO 328 Geography of the Middle East and North Africa .................. 3
GEO 330 Geography of the Indian Subcontinent .................. 3
GEO 336 Geography of Sub-Saharan Africa .................................. 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .................. 3
*PS 410 Topics in Religious Politics (Subtitle required) .................. 3
MCL 375 Language Study Abroad
or
MCL 376 Cultural Studies Abroad
or
other Study Abroad courses approved by the Director of Undergraduate Studies .................. 1-3

*If topic is appropriate.
Total Elective hours .................................................. 18

Major Requirement hours: ........................................ 42

MCL / Chinese Studies
Track Requirements
CHI 301 Advanced Intermediate Chinese I .................................. 3
CHI 302 Advanced Intermediate Chinese II .................................. 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .................. 3
CHI 331 Introduction to Chinese Culture, 1840 to Present .................. 3

Track Requirement hours: ........................................ 12

Track Electives
Students must take 18 hours of the following courses toward a total of 42 credits:
CHI 310 Sounds of East Asian Languages .................................. 3
CHI 320 Gender Politics in Chinese Literature .................................. 3
CHI 321 Introduction to Contemporary Chinese Film .................. 3
CHI 322 Self and Society in Chinese Culture .................................. 3
CHI 345 Introduction to Early Chinese Thought .................................. 3
CHI 395 Independent Work in Chinese .................................... 1-3
CHI 401 Advanced Chinese I ............................................ 3
CHI 402 Advanced Chinese II ............................................ 3
CHI 430 Popular Culture in Modern China .................................. 3
CHI 450 Daoism: East and West ........................................... 3
CHI 495G Advanced Independent Work in Chinese .................. 1-3
CHI 511 Literary Chinese ................................................ 3
CHI 520 Introduction to Chinese Linguistics .................................. 3
HIS 355 Topics in Non-Western History Since 1789 .................. 3
HIS 597 Westerners in East Asia, 1839 to the Present .................. 3
HIS 598 China in Revolution, 1895-1976 .................................. 3
A&S 300 Special Course (Subtitle required) .................................. 3
MCL 375 Language Study Abroad
or
MCL 376 Cultural Studies Abroad
or
other Study Abroad courses approved by the Director of Undergraduate Studies .................. 1-3

In addition to the courses above, students may also choose to draw up to 6 credits maximum from the following courses in China and in its East Asian context toward their total of 42 credits:
HIS 295 East Asia to 1800 .............................................. 3
HIS 296 East Asia Since 1600 ........................................... 3
HIS 593 East Asian History Since World War II .................. 3
*A-H 310 Asian Art and Culture (Subtitle required) .................. 3
TA 584 Asian Theatre ................................................... 3
GEO 333 Geography of East Asia ........................................... 3
MUS 330 Music in the World (Subtitle required) .................. 3
PHI 343 Asian Philosophy .............................................. 3
PS 419G The Governments and Politics of Eastern Asia .................. 3

Total Elective hours .................................................. 18

Major Requirement hours: ........................................ 42

MCL / Classics
Track Requirements
To graduate with a field of study in Classics, the student must complete either Greek to the CLA 252 level or Latin to the 202 level either by successfully completing the specified course, by successfully completing a course above the 200 level in either language, or by demonstrating the equivalent competency.

The student must also complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA.

Total Requirement hours: ........................................ 18

Track Electives
In addition, the student must complete 12 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). The following courses are automatically accepted to fulfill this requirement, but other courses may be accepted by the Director of Undergraduate Studies on a case-by-case basis.

A-H 314 Ancient (Subtitle required) .................................. 3
AIS 228 Islamic Civilization ............................................. 3
ANT 240 Introduction to Archaeology .................................. 3
ENG 271 The Bible as Literature ........................................... 3
HIS 330 A History of Western Religious Thought (I) .................. 3
HIS 370 Early 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 546 The Byzantine Empire .............................................. 3
HIS 547 The Byzantine Empire .............................................. 3
HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .................. 3
MCL 270 Introduction to Folklore and Mythology .................. 3
MCL 595 Topics in Folklore and Myth (Subtitle required) .................. 3
PHI 260 History of Philosophy I: From Greek Beginnings to the Middle Ages .................. 3
PHI 503 Topics in Ancient Philosophy .................................. 3
MCL 375 Language Study Abroad
or
MCL 376 Cultural Studies Abroad
or
other Study Abroad courses approved by the Director of Undergraduate Studies .................. 1-3

Total Elective hours .................................................. 12

Major Requirement hours: ........................................ 42

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MCL / French and Francophone Studies

Track Requirements
FR 204 Introduction to French and Francophone Studies .................................................. 3
FR 214 France Today or FR 215 Visual Cultures ................................................................. 3
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

Track Requirement hours: ............................................. 15

Track Electives
Choose 15 hours from among the following courses:
FR 307 French for Business and Economics ................................................................. 3
FR 310 French Phonetics .................................................................................................. 3
FR 311 Introduction to French Linguistics ...................................................................... 3
FR 324 Studies in French Literature (Subtitle required) ....................................................... 3
FR 350 Francophone Cultures (Subtitle required) .......................................................... 3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies .............................................. 1-3

Total Elective hours ...................................................... 15
Major Requirement hours: ............................................. 42

MCL / German Studies

Track 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

Track Requirement hours: ............................................. 12

Track Electives
In addition, the student must complete 12 hours from the following courses:
GER 310 German for International Business and Professions ........................................ 3
GER 317 History of German Culture .............................................................................. 3
GER 319 Contemporary German Literature and Culture ............................................... 3
GER 342 War, Peace, and Terror in Germany and Europe .............................................. 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 ......................................................................... 3
GER 507 Advanced German Composition and Conversation ........................................ 3
GER 515 Studies in Major Authors ................................................................................. 3
GER 516 Studies in Genre ................................................................................................. 3
GER 550 Multidisciplinary German Studies Seminar (Subtitle required) ......................... 3
MCL 343 Global Horror .................................................................................................. 3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies .............................................. 1-3

Total Elective hours ...................................................... 18
Major Requirement hours: ............................................. 42

MCL / Japan Studies

Track Requirements
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 ...................................... 3
JPN/ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present or JPN 351 The Japanese Experience of the Twentieth Century ......................................................... 3
JPN 401 Advanced Japanese III ...................................................................................... 3
JPN 402 Advanced Japanese IV ..................................................................................... 3

Track Requirement hours: ............................................. 12

Track Electives
In addition, the student must complete 18 hours from the following courses:
JPN 283 Japanese Film ..................................................................................................... 3
JPN 400G Topics in Japan Studies (Subtitle required) ...................................................... 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 520 Japanese Linguistics and Society .................................................................... 3
MCL 324 The City in the Twentieth Century: Tokyo, Shanghai, Paris ................................ 3
A-H 310 Asian Art and Culture (Subtitle required) ......................................................... 3
A-H 311 The Arts as Soft Power: The Japanese Tea Ceremony ...................................... 3
HIS 295 East Asia to 1800 ............................................................................................... 3
HIS 296 East Asia Since 1600 ......................................................................................... 3
HIS 357 Japan at War, 1850 to the Present ................................................................... 3
GEO/JPN 334 Environment, Society and Economy of Japan ...................................... 3
GEO/JPN 491G Japanese Landscapes ........................................................................... 3
GEO/JPN 551 Japanese Multinational Corporations ......................................................... 3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or
other Study Abroad courses approved by the Director of Undergraduate Studies .............................................. 1-3

Total Elective hours ...................................................... 18
Major Requirement hours: ............................................. 42

Minor in Modern and Classical Languages, Literatures and Cultures

The minor in Modern and Classical Languages, Literatures and Cultures requires a minimum of 18 hours of course work. Students choose one of nine options (fields of concentration) from: Chinese Studies, Classics, Folklore and Mythology, French and Francophone Studies, German Studies, Islamic Studies, Italian, Japan Studies and Russian Studies.

MCL / Chinese Studies

Core Requirements
All students must complete a minimum 6 credits from among the following courses:
CHI 301 Advanced Intermediate Chinese I .................................................................... 3
CHI 302 Advanced Intermediate Chinese II .................................................................. 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 ........................................ 3
CHI 331 Introduction to Chinese Culture, 1840 to Present ............................................. 3

Total Core hours ............................................................. 6

Elective Requirements
In addition, students must take at least 12 additional credits from the following for a total of 18 credits. (Please note that courses on the core course list above NOT used to satisfy the Core Requirements may be used to satisfy the Elective Requirements.):
CHI 310 Sounds of East Asian Languages ................................................................. 3
CHI 320 Gender Politics in Chinese Literature ......................................................... 3
CHI 321 Introduction to Contemporary Chinese Film .................................................. 3
CHI 322 Self and Society in Chinese Culture ............................................................. 3
MCL 100 The World of Language ................................................................................. 3
MCL 200 Global Literacy .............................................................................................. 3
MCL 375 Language Study Abroad or
MCL 376 Cultural Studies Abroad
or
other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

Total Elective hours ........................................ 12

MCL / Classics

Core Requirements
The requirements for a Classics minor are 18 credit hours, at least 6 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 CLA courses at the 200 level or higher
All courses may be chosen from category 1, all from category 2, or the two categories may be combined in any manner, as long as students earn the requisite 18 credit hours. MCL 100, MCL 200, MCL 375 and MCL 376 may count toward the MCL/Classics minor.

MCL / Folklore and Mythology

Core Requirements
MCL 270 Introduction to Folklore and Mythology ........................................ 3
CLA 135 Greek and Roman Mythology ........................................ 3
or
CLA 100 Ancient Stories in Modern Films ........................................ 3
GER 103 Fairy Tales in European Context ........................................ 3

Total Core hours ........................................ 9

Students in this minor must also satisfy the current A&S Language Requirement, regardless of their college. The minor is not restricted to A&S majors.

Elective Requirements
Choose an additional 6 hours from the following courses:
CLA 331 Gender and Sexuality in Antiquity ........................................ 3
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
RUS 370 Russian Folklore (in English) ........................................ 3
MCL 595 Topics in Folklore and Myth (Subtitle required) ..................... 3

Choose 3 additional hours in elective courses (chosen from the MCL courses above not taken for the elective requirement) or from other courses approved by the advisor or from the following:
CLA 462G Topics in Classical Literature (Subtitle required) ..................... 3
GER 263 The German Cultural Tradition I ........................................ 3
*GER 312 Introduction to German Literature: Popular Forms .................. 3
AAS 200 Introduction to African-American Studies ................................ 3
AAS 254 History of Colonial and Post-Colonial Africa .......................... 3
ANT 220 Introduction to Cultural Anthropology ................................ 3
ANT 241 Origins of Old World Civilization .................................... 3
ANT 242 Origins of New World Civilization .................................... 3
ANT 245 Food Culture and Society ............................................ 3
ANT 301 History of Anthropological Theory .................................... 3
ANT 401 Gender Roles in Cross-Cultural Perspective .......................... 3
ANT 450 Symbols and Culture .................................................. 3
ANT 470G Regional American Ethnography .................................... 3
APP 200 Introduction to Appalachian Studies .................................. 3
*APP 300 Topics in Appalachian Studies (Subtitle required) .................. 3
ENG 271 The Bible as Literature .................................................. 3
*ENG 492G Cultural Studies (Subtitle required) ................................ 3
ENG 319 Introduction to Old English ............................................ 3
HIS 521 European Social History, 1400-1800 .................................... 3
HIS 536 Intellectual and Cultural History of Russia to 1800 .................... 3
LAS 201 Introduction to Latin America ........................................ 3
*LIN 317 Language and Society (Subtitle required) .......................... 3
MAT 247 Dress and Culture .................................................... 3
MUS 300 History of Jazz ....................................................... 3
MUS 301 Appalachian Music .................................................... 3
*SOC 350 Topics in Sociology (Subtitle required) ............................. 3
GWS 200 Sex and Power ....................................................... 3
GWS 201 Gender and Popular Culture ......................................... 3
*GWS 300 Topics in Gender and Women’s Studies (Subtitle required) .... 3
*GWS 301 Crossroads (Subtitle required) ..................................... 3
GWS 302 Gender Across the World (Subtitle required) ....................... 3

Total Elective hours ........................................ 9
* Approved for the minor when the topic of the course is appropriate as determined by the minor advisor.

MCL / French and Francophone Studies

Core Requirements
FR 204 Introduction to French and Francophone Studies ..................... 3
FR 214 France Today ......................................................... 3
or
FR 215 Visual Cultures ....................................................... 3

Total Core hours ........................................ 6

Elective Requirements
Choose 12 hours from:
FR courses 300+ level, excluding FR 553 and courses taught in English.
MCL 100 The World of Language ............................................ 3
MCL 200 Global Literacy ....................................................... 3
MCL 375 Language Study Abroad ............................................ 3
or
MCL 376 Cultural Studies Abroad ............................................ 3
or
other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

Total Elective hours ........................................ 12

MCL / German Studies

Core Requirements
GER 307 Intermediate German Composition and Conversation I ............... 3
GER 308 Intermediate German Composition and Conversation II ................ 3

Total Core hours ........................................ 6

Elective Requirements
Choose 12 hours from:
GER courses at the 300 level or above
MCL 100 The World of Language ............................................ 3
MCL 200 Global Literacy ....................................................... 3
MCL 375 Language Study Abroad ............................................ 3
or
MCL 376 Cultural Studies Abroad ............................................ 3
or
other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

Total Elective hours ........................................ 12

MCL / Islamic Studies

Core Requirements
AIS 228 Islamic Civilization .................................................. 3
AIS 330 Islamic Civilization II ............................................... 3

Total Core hours ........................................ 6

Elective Requirements
An additional 12 credit hours from among the following:
AIS 101 Elementary Modern Standard Arabic .................................. 3
AIS 102 Elementary Modern Standard Arabic .................................. 3
AIS 201 Intermediate Modern Standard Arabic .................................. 3
AIS 202 Intermediate Modern Standard Arabic .................................. 3
AIS 228 Islamic Civilization .................................................... 3
AIS 301 Colloquial Arabic I ..................................................... 3
AIS 302 Colloquial Arabic II ..................................................... 3
AIS 320 Modern Arabic Literature and Film in Translation .................... 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 345 Islamic Mysticism ...................................................... 3
AIS 410 Theology and Law in Islam ............................................ 3
AIS 430 Islam in America ....................................................... 3
AIS 435 Topics in Islamic Studies (Subtitle required) .......................... 3
AIS 440 Introduction to the Quran ............................................. 3
AIS 442 Arabic Reading I ....................................................... 3
AIS 443 Arabic Reading II ....................................................... 3
ANT 222 Middle East Cultures ................................................ 3
ANT 331 Anthropology of North Africa ....................................... 3
GEO 328 Geography of the Middle East and North Africa .................. 3
HIS 549 History of the Middle East: 1952 to the Present ....................... 3
HIS 550 Studies in Mid-East History and Politics (Subtitle required) ....... 3
PS 410 Topics in Regional Politics (Subtitle required) ......................... 3
MCL 100 The World of Language ............................................ 3
MCL 200 Global Literacy ....................................................... 3
MCL 375 Language Study Abroad ............................................ 3
MCL 376 Cultural Studies Abroad ............................................ 3
or
other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

Other courses in the area may be elected with the approval of the director of the Islamic Studies Program

Total Elective hours ........................................ 12

MCL / Italian

Core Requirements
ITA 201 Intermediate Italian .................................................. 3
ITA 202 Intermediate Italian .................................................. 3

Total Core hours: ........................................ 6

Elective Requirements
In addition student must complete 12 hours from the following courses:
ITA 263 Studies in Italian Culture (Subtitle required) .......................... 3
ITA 300 Italian Civilization and Writing ....................................... 3
ITA 301 Italy from Fascism to the Present ..................................... 3
ITA 395 Independent Studies in Italian ....................................... 3
MCL 100 The World of Language ............................................ 3
MCL 200 Global Literacy ....................................................... 3
MCL 375 Language Study Abroad ............................................ 3
or
MCL 376 Cultural Studies Abroad ............................................ 3
or
other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

A-H 105 World Art Before 1400 ............................................ 3
A-H 106 Renaissance to Modern Art ........................................... 3
A-H 314/CLA 314 Ancient (Subtitle required) .................................. 3
A-H 334 Reframing Renaissance Art ........................................... 3
A-H 335 Early Modern Art and Visual Culture, 1400-1700 (Subtitle required) .................. 3
NEUROSCIENCE

The Bachelor of Science degree program in Neuroscience provides undergraduate students with an opportunity to engage in the in-depth study of neuroscience from a uniquely interdisciplinary perspective. Students receive extensive exposure to fundamental and applied aspects of neuroscience through classroom and laboratory-based interactions with faculty members and research staff from several departments housed in the College of Arts and Sciences and Medicine, including Biology, Anatomy and Neurobiology, and Psychology. The scope of training spans the entirety of key topics in neuroscience and includes examination of biological systems ranging from cellular/molecular neuroscience; neurophysiology; neuroanatomy; and integrated neuroscience including behavior.

Bachelor of Science with a major in NEUROSCIENCE

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 131-132.

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 .................... 4
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 137 Calculus I with Life Science Applications .... 4
MA 113 Calculus I .................................................... 4

VIII. Statistical Inferential Reasoning
STA 296 Statistical Methods and Motivations .......... 3
or PSY 215 Experimental Psychology
and PSY 216 Applications of Statistics in Psychology 8

IX. Community, Culture and Citizenship in the USA

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

UK Core hours: .................................................. 33

Graduation Composition and Communication Requirement (GCCR)
WRD 204 Technical Writing ................................. 3

Graduation Composition and Communication Requirement hours (GCCR) ........................................ 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 .................................... 1

IV. Electives ............................................................. 6

College Requirement hours: .................................. 13-27

Premajor/Preprofessional 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 ................. 4
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 .................................................... 4
PSY 100 Introduction to Psychology .................... 4

Premajor/Preprofessional Requirement hours: ................. 25

Program Core

BIO 302 Introduction to Neuroscience ................. 3
BIO 305 Introduction to Neuroscience Techniques .... 4
*ANA 394 Independent Research in Neurobiology and Neuroscience or
BIO 394 Research in Neuroscience or
PSY 393 Research in Neuroscience ........................ 6

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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 131.

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 each group below ....................................... 15

Group A:
- PHI 101 Introduction to Philosophy
- PHI 270 History of Philosophy I: from Greek Beginnings to the Middle Ages
- PHI 271 History of Philosophy II: from the Renaissance to the Present Era

Group B:
- PHI 281 Introduction to Classical Greece
- PHI 286 Introduction to Classical Rome
- PHI 380 Introduction to Ancient Philosophy

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

Graduation Composition and Communication Requirement (GCCR)

PHI 350 Metaphysics and Epistemology ............................................ 3

Graduation Composition and Communication Requirement hours (GCCR) ............................................ 3
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 300, 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343*, 361, 380, 395, 500 ......................... 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:

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 (9 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 area. 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 131.

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 Composition and Communication Requirement (GCCR)
PHI 350 Metaphysics and Epistemology .................. 3
Graduation Composition and Communication Requirement hours (GCCR) .................. 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

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

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 area. 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 131.

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 Composition and Communication Requirement (GCCR)
PHY 435 Intermediate Physics Laboratory .................. 3
Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements

I. Foreign Language (placement exam recommended) .................. 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Premajor Requirements) .......... 3
b. Social Science ............................................. 3
c. Humanities ............................................. 6

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.

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. Please 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 131-132.

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.
plus two different courses from the following:

AST/PHY 395 Independent Work in Astronomy/Physics ........................................ 3
PHY 402G Electronic Instrumentation and Measurements ........................................ 3
PHY 435 Intermediate Physics Laboratory .......................................................... 3
PHY 508 Computational Physics ........................................................................ 3

**Major Core hours:** ................................................................. 38

### Other Course Work Required for the Major

**From Outside the Major Department**

Choose 6 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. ................................. 6

**Other Major hours:** ......................................................... 6

**Total Minimum Hours**

**Required for Degree** ................................................... 120

*Course used towards completion of a UK Core Requirement.

### Suggested Curriculum for B.S. in Physics

(NO: 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>MA 113 Calculus I</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>
<tr>
<td>CHE 105 General College Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 114 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 228 Optics, Relativity and Thermal Physics</td>
<td>3</td>
</tr>
<tr>
<td>CHE 107 General College Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>
*CS 115 Introduction to Computer Programming or Major Related Electives | 3 |
| CIS/WRD 111 Composition and Communication II | 3     |

#### Sophomore Year

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 213 Calculus III</td>
<td>4</td>
</tr>
<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>PHY 335 Data Analysis for Physicists</td>
<td>1</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>MA 214 Calculus IV</td>
<td>3</td>
</tr>
<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>Foreign Language</td>
<td>4</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 404G Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 416G Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
</tbody>
</table>
*MA 322 Matrix and Its Applications or Major Related Electives | 3 |

### Second Semester

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 417G Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
<tr>
<td>Major Related Electives</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 521 Introduction to Quantum Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 522 Thermodynamics and Statistical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 300+ course</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### Minor in Physics

The minor in Physics requires 28 hours of course work to include:

- PHY 231 General University Physics
- PHY 241 General University Physics Laboratory
  OR
- PHY 211 General Physics
- PHY 232 General University Physics
  OR
- PHY 242 General University Physics Laboratory
  OR
- MA 113 Calculus I
  OR
- MA 137 Calculus I
  With Life Science Applications
- MA 114 Calculus II
  OR
- MA 138 Calculus II
  With Life Science Applications
- PHY 228 Optics, Relativity and Thermal Physics
- MA 213 Calculus III
- PHY 361 Principles of Modern Physics

### 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** – define the American political system, including the high-demand subfield of judicial politics and legal studies; 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;
- **Theory/Methodology** – study of the values, concepts, and analytical methods that shape how people evaluate political life.

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 abilities and having exercised their written and spoken communication skills. Such disciplinary training leads to a wide variety of careers, many of which have no direct political or governmental connection, but 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 degree: 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, mathematical, 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 131.

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
PS 210 World Politics ......................................................3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
PS 101 American Government ................................ 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 210 Introduction to Comparative Politics ................. 3

UK Core hours: .......................... 30

Graduation Composition and Communication Requirement (GCCR)
WRD 304 Writing in the Social Sciences ...................... 3

Graduation Composition and Communication Requirement hours (GCCR) ..................... 3

College Requirements

I. Foreign Language (placement exam recommended) ....... 0-14

II. Disciplinary Requirements
   a. Natural Science ......................................................6
   b. Social Science (completed by Premajor) ................. 6
   c. Humanities (choose 300+ level courses) .................. 6
   III. Laboratory or Field Work (completed by PS 372) .... 6
   IV. Electives ........................................................... 6

Premajor/Introductory Requirements

Field One – American Politics
PS 101 American Government ..................................... 3

Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics ................. 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/Introductory 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 6 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
ARC 324, 471, 479, 510, 532
AIS 228, 330
AN 300
ANT – 220, 221, 324, 326, 327, 340, 375, 401, 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 509, 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)
ISM 354
JOU 204, 531, 535
JPN 320, 321, 344, 451G, 461G
LAS 201
MAS 310, 319, 520
MGT 340, 341
MKT 310, 340, 450
NRE – all 300+ level courses
PHI – all 200+ level courses
PSY – all 200+ level courses
RUS 371, 372
SOC – all 200+ level courses
SPA 312, 314
ST 500
STA – all 200+ level courses
SW 222, 320, 430, 505, 523, 571
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 131-132.

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

VI. Composition and Communication II
Choose one course from approved list ............................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 Composition and Communication Requirement (GCCR)
Choose one course from approved list ............................3

Graduation Composition and Communication Requirement hours (GCCR) ..................... 3

College Requirements

I. Foreign Language (placement exam recommended) ....... 0-14

II. Disciplinary Requirements
   a. Natural Science ......................................................6
   b. Social Science (completed by Premajor) ................. 6
   c. Humanities (choose 300+ level courses) .................. 6
   III. Laboratory or Field Work (completed by PS 372) .... 6
   IV. Electives ........................................................... 6

Premajor/Introductory Requirements

Field One – American Politics
PS 101 American Government ..................................... 3

Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics ................. 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/Introductory hours: .................................. 12
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 131.

**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 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 Composition and Communication Requirement (GCCR)**

Select one of the following:

PSY 427 Cognitive Processes .................................. 4

PSY 430 Research in Personality ......................... 4

PSY 440 Research in Social Psychology ................. 4

PSY 450 Learning ........................................ ....... 4

---

**College of Arts and Sciences**

IX. Community, Culture and Citizenship in the USA
PS 101 American Government ............................... 3

X. Global Dynamics
PS 210 Introduction to Comparative Politics .......... 3

UK Core hours: ........................................ 30

Graduation Composition and Communication Requirement (GCCR)
WRD 304 Writing in the Social Sciences .................. 3

Graduation Composition and Communication Requirement hours (GCCR) .... 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) .... 3
c. Humanities .................................................. 3

III. Laboratory or Field Work (completed by PS 372) ........ 3

IV. 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 .......... 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 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 6 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 ........................................ 4

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 228, 330
AN 300
ANT 220, 221, 324, 326, 327, 340, 375, 401, 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 509, 544, 563
FIN 423
FR 350, 550
GEO – 222, 240, 260, all 300+ level courses
GER 264, 317, 319
GWS 200, 350
HJS – all 200+ level courses
HIS 324, 325
HNS – all 200+ level courses (except independent work)
ISM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
MAS 310, 319, 520
MGT 340, 341
MKT 310, 340, 450
NRE – all 300+ level courses
PHI – all 200+ level courses
PSY – all 200+ level courses
RUS 371, 372
SOC – all 200+ level courses
SPA 312, 314
ST 500
STA – all 200+ level courses
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. 6 hours of 200 level courses, 3 hours of which must be either PS 210 or PS 235.
2. Four other courses, at least three of which must be at the 400 or 500 level.

---
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 131-132.

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 Natural, Physical, and Mathematical 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 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

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

VI. Composition and Communication II

- Choose one course from approved list .................................. 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: ................................................................. 35-36

Graduation Composition and Communication Requirement (GCCR)

Select one of the following:

- PSY 427 Cognitive Processes .................................................. 4
- PSY 430 Research in Personality ............................................... 4
- PSY 440 Research in Social Psychology .................................... 4
- PSY 450 Learning .................................................................... 4
- PSY 456 Behavioral Neuroscience ............................................ 4
- PSY 460 Processes of Psychological Development .................... 4
- PSY 552 Evolutionary Psychology ............................................ 4

Graduation Composition and Communication Requirement hours (GCCR) ................................................. 4

College Requirements

I. Foreign Language (placement exam recommended) ............... 0-14

II. Disciplinary Requirements

a. Natural Science (partially completed by PSY 312; 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 ........................................................................... 3

III. Laboratory or Field Work (completed by Premajor Requirement)

IV. Electives ............................................................................. 6

College Requirement hours: ................................................. 9-23

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 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:

Advanced Lecture/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 .................................................................................. 0-5

Choose from: PSY 302, 331, 333, 395, 399, 459, 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.

*Course used towards completion of the College Natural Science

requirement.

Minor in Psychology

The minor in Psychology requires a minimum of 19-20 hours of course work to include:

Prerequisite Courses

PSY 100 Introduction to Psychology or equivalent .......................... 3-4

PSY 215 Experimental Psychology ........................................... 4
SOCILOGY

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 131.

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 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 Composition and Communication Requirement (GCCR)
SOC 302 Sociological Research Methods .................... 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) ...................... 6

Premajor Requirements
Any two sociology courses at the 100 or 200 level (including CLD 102) ............... 6

Premajor hours: .................................................... 6

Major Core Requirements

SOC 302 Sociological Research Methods .................... 3
SOC 303 Quantitative Sociological Analysis or
PSY 216 Applications of Statistics in Psychology .... 3-4
SOC 304 Classical Sociological Theory ....................... 3

Major Core hours: ......................... 9-10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level .......... 18

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. .................. 15

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

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.

Bachelor of Science with a major in SOCIOLOGY

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 131-132.

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 Composition and Communication Requirement (GCCR)
SOC 302 Sociological Research Methods .................... 3

College Requirements

I. Foreign Language (placement exam recommended) ........................................... 0-14

II. Disciplinary Requirements
a. Natural Science .................................................. 3
b. Social Science (completed by Premajor and Major Requirements) ................ 3
c. Humanities ...................................................... 3

III. Laboratory or Field Work (completed by Major Requirement) ...................... 6

College Requirement hours: ............... 12-26
Minor in Sociology

The minor in Sociology requires 21 hours of course work to include:

Prerequisites
SOC 101 Introduction to Sociology or CLD 102 The Dynamics of Rural Social Life ....................... 3 and Any other 100- or 200-level sociology course .................... 3

Minor Requirements
Students complete an additional 15 hours in sociology, at least 3 of which must be at the 400 level or above and must include one of the following six-hour blocks:

SOC 302 and SOC 303 (or PSY 216) or SOC 304 and SOC 305 or SOC 302 and SOC 304

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.

Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students to enter English education, rhetoric and composition, professional writing, and law.

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics. Research is being actively pursued in statistical theory and methods, both parametric and non-parametric, 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.

Minor in Writing, Rhetoric, and Digital Studies

Writing, Rhetoric, and Digital Studies focuses on the humanistic study of writing and rhetoric in its various genres, contexts (social, historical, political), and media (print and digital, textual and visual). Students in the program study rhetoric and composition theory, practice writing in various forms (including professional and technical writing), and consider the emerging dynamics of digital composition.

The major prepares students to enter publishing, business, industry, or non-profit organizations. Students focusing on writing in digital environments may find employment with multimedia firms or web design organizations. Those interested in graduate work, the major prepares students to enter English education, rhetoric and composition, professional writing, and law.

The major in Writing, Rhetoric, and Digital Studies is grounded in the foundational idea that writing and rhetoric are important not only for professional success, but also for the development of an informed, engaged citizenry.

Bachelor of Arts with a major in Writing, Rhetoric, and Digital 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 131.

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 Composition and Communication Requirement (GCCR)
WRD 430 Advanced Workshop
(Subtitle required) .................................................. 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements
I. Foreign Language ................................................ 12
II. Disciplinary Requirements
   a. Natural Science ................................................. 6
   b. Social Science .................................................. 6
   c. Humanities ...................................................... 3
III. Laboratory or Field Work ...................................... 3
IV. Electives ................................................................ 3

College Requirement hours: .................................... 39

Major Requirements
Core Courses
WRD 300 Introduction to Writing, Rhetoric, and Digital Studies ............ 3
WRD 430 Advanced Workshop (Subtitle required) .................. 3

Core Courses hours: .................................................. 6

Other Course Work Required for the Major
From the Major Department
Three hours of WRD courses at the 200-level or above .................. 3
Twelve hours of WRD courses at the 300-level (excluding WRD 300) ....... 12
Twelve hours of WRD courses at the 400-500 level (excluding WRD 430) ...... 12

From Outside the Major Department
Choose 6 hours from the following courses:
  A-H 360 Visual Culture of Politics ............................ 3
  A-S 200 Introduction to Digital Art, Space and Time .......... 3
  A-S 245 Introduction to Web Design .......................... 3
  A-S 280 Introduction to Photographic Literacy ............... 3
  COM 249 Mass Media and Mass Culture ...................... 3
  COM 281 Communication in Small Groups ................. 3
  COM 287 Persuasive Speaking ................................... 3
  COM 311 Taking Control of Your Health: Patient-Provider Communication .... 3
  COM 312 Learning Intercultural Communication Through Media and Film .... 3
  COM 313 Interpersonal Communication in Close Relationships ....... 3

COM 315 Understanding Workplace Communication in a Diverse U.S. Society ........ 3
ENG 284 History of Film I .......................................... 3
ENG 285 History of Film II ......................................... 3
ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) ...... 3
ENG 440G Studies in British Literature (Subtitle required) .................. 3
ENG 450G Studies in American Literature (Subtitle required) .................. 3
ENG 460G Studies in African-American Literature (Subtitle required) ...... 3
ENG 470G Comparative and Transnational Studies in Literature (Subtitle required) .... 3
ENG 480G Studies in Film (Subtitle required) ................... 3
ENG 490G Studies in Literature and Gender (Subtitle required) .......... 3
ENG 491G Studies in Theory (Subtitle required) ................ 3
ENG 492G Cultural Studies (Subtitle required) .................. 3
ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) ...... 3
GWS 250 Social Movements ........................................ 3
GWS 301 Crossroads (Subtitle required) ............................ 3
GWS 302 Gender Across the World (Subtitle required) ............... 3
GWS 340 History of Feminist Thought to 1975 ................. 3
LIN 211 Introduction to the Study of Language .................. 3
LIN 212 Introduction to Linguistics II ............................. 3
LIN 317 Language and Society (Subtitle required) ............... 3
or courses approved by the DUS ................................... 3

Total Major hours: .................................................. 39

Electives
Free Electives ......................................................... 6
Elective hours: .................................................... 6

Required for Degree .............................................. 120

Bachelor of Science with a major in WRITING, RHETORIC, AND DIGITAL 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. 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 131-132.

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 Composition and Communication Requirement (GCCR)
WRD 430 Advanced Workshop
(Subtitle required) .................................................. 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 3

College Requirements
I. Foreign Language ................................................ 12
II. Disciplinary Requirements
   a. Natural Science ................................................. 6
   b. Social Science .................................................. 6
   c. Humanities ...................................................... 3
III. Laboratory or Field Work ...................................... 3
IV. Electives ................................................................ 3

College Requirement hours: .................................... 39

Major Requirements
Core Courses
WRD 300 Introduction to Writing, Rhetoric, and Digital Studies ............ 3
WRD 430 Advanced Workshop (Subtitle required) .................. 3

Core Courses hours: .................................................. 6

Other Course Work Required for the Major
From the Major Department
Three hours of WRD courses at the 200-level or above .................. 3
Twelve hours of WRD courses at the 300-level (excluding WRD 300) ....... 12
Twelve hours of WRD courses at the 400-500 level (excluding WRD 430) ...... 12

From Outside the Major Department
Choose 6 hours from the following courses:
  A-H 360 Visual Culture of Politics ............................ 3
  A-S 200 Introduction to Digital Art, Space and Time .......... 3
  A-S 245 Introduction to Web Design .......................... 3
  A-S 280 Introduction to Photographic Literacy ............... 3
  COM 249 Mass Media and Mass Culture ...................... 3
  COM 281 Communication in Small Groups ................. 3
  COM 287 Persuasive Speaking ................................... 3
  COM 311 Taking Control of Your Health: Patient-Provider Communication .... 3
  COM 312 Learning Intercultural Communication Through Media and Film .... 3
  COM 313 Interpersonal Communication in Close Relationships ....... 3
  COM 315 Understanding Workplace Communication in a Diverse U.S. Society .... 3
  ENG 284 History of Film I .......................................... 3
  ENG 285 History of Film II ......................................... 3
  ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) ...... 3
  ENG 440G Studies in British Literature (Subtitle required) .......... 3
  ENG 450G Studies in American Literature (Subtitle required) .......... 3

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Minor Electives

Choose 6 hours from the following:

WRD 203 Business Writing ............................................. 3
WRD 208 Multimedia Writing ......................................... 3
WRD 301 Style for Writers ............................................. 3
WRD 322 Rhetoric and Argument .................................... 3
WRD 405 Editing English Prose ...................................... 3
WRD 408 Digital Composing ......................................... 3

INTERDISCIPLINARY MINORS

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 401 Independent Reading and Research in African-American Studies

4. a. At least 6 hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:
   - AAS/ENG 264 Introduction to Black Writers
   - AAS/FR 263 African and Caribbean Literature and Culture of French Expression (Subtitle required)
   - FR 504 Topics in French Literature and Culture (Subtitle required)
   - AAS/HIS 254 History of Colonial and Post-Colonial Africa
   - AAS/HIS 260 African American History to 1865
   - AAS/HIS 261 African American History 1865-Present
   - AAS/HIS 360 Race and Sports in America
   - HIS 585 The Age of Jim Crow, 1880-1930
   - AAS/MUS 300 History of Jazz

   b. At least 6 hours in the社会科学 (as approved by the African American Studies Committee). Among these are:
   - AAS/ANT 326 People and Cultures of Sub-Saharan Africa
   - AAS/EDE 550 Education in a Culturally Diverse Society
   - AAS GEO 336 Geography of Sub-Saharan Africa
   - PS 471G Survey of Sub-Saharan Politics
   - PS 461G Civil Liberties
   - AAS/PS 471 Race, Ethnicity and Politics
   - AAS/SOC 235 Inequalities in Society
   - AAS/SOC 432 Race and Ethnic Relations
   - AAS/SOC 433 Topics in Social Inequalities (Subtitle required)

NOTE: Courses in English and history are strongly recommended.

For further information, email aas@uky.edu; 112 Breckinridge Hall 0056, (859) 257-2284.

https://aas.as.uky.edu/

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. IAS 301 Topics in American Culture
2. IAS 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or 6 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 489G
   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 470, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 584, HIS 585, HIS 586
   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: Director Pearl James, avdool2@uky.edu; 1227 Patterson Office Tower 0027, (859) 257-6978.

http://american-studies.as.uky.edu/

Interdisciplinary minors

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 401 Independent Reading and Research in African-American Studies
4. a. At least 6 hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:
   - AAS/ENG 264 Introduction to Black Writers
   - AAS/FR 263 African and Caribbean Literature and Culture of French Expression (Subtitle required)
   - FR 504 Topics in French Literature and Culture (Subtitle required)
   - AAS/HIS 254 History of Colonial and Post-Colonial Africa
   - AAS/HIS 260 African American History to 1865
   - AAS/HIS 261 African American History 1865-Present
   - AAS/HIS 360 Race and Sports in America
   - HIS 585 The Age of Jim Crow, 1880-1930
   - AAS/MUS 300 History of Jazz

   b. At least 6 hours in the社会科学 (as approved by the African American Studies Committee). Among these are:
   - AAS/ANT 326 People and Cultures of Sub-Saharan Africa
   - AAS/EDE 550 Education in a Culturally Diverse Society
   - AAS GEO 336 Geography of Sub-Saharan Africa
   - PS 471G Survey of Sub-Saharan Politics
   - PS 461G Civil Liberties
   - AAS/PS 471 Race, Ethnicity and Politics
   - AAS/SOC 235 Inequalities in Society
   - AAS/SOC 432 Race and Ethnic Relations
   - AAS/SOC 433 Topics in Social Inequalities (Subtitle required)

NOTE: Courses in English and history are strongly recommended.

For further information, email aas@uky.edu; 112 Breckinridge Hall 0056, (859) 257-2284.

https://aas.as.uky.edu/
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. 15 credits from among the following:
   * ANT 332 Human Evolution
   * BIO 375 Behavioral Ecology and Sociobiology
3. BIO 535 Comparative Neurobiology and Behavior
4. BIO 550 Advanced Physiology
5. BIO 556 Communication Biology
6. COM 350 Language and Communication
7. CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
8. CS 463G Introduction to Artificial Intelligence
9. *CS 521 Computational Sciences
10. CS 536 Situated Computing
11. CS 575 Models of Computation (may not be combined with PHI 520)
12. LIN 210 History of the English Language
13. LIN 211 Introduction to the Study of Language
14. LIN 212 Introduction to Linguistics II
15. LIN 509 Semantics and Pragmatics
16. LIN 512 Analysis of English Syntax
17. PHI 361 Biology and Society
18. PHI 520 Symbolic Logic II (may not be combined with CS 375, 575, or 657)
19. PHI 520 Symbolic Logic II
20. PHI 560 Philosophy of Scientific Method
21. PHI 565 Philosophy of Language
22. PHI 575 Philosophy of Mind
23. *PSY 223 Developmental Psychology
24. PSY 311 Learning and Cognition
25. PSY 312 Brain and Behavior
26. PSY 427 Cognitive Processes
27. PSY 456 Behavioral Neuroscience
28. PSY 552 Evolutionary Psychology
29. PSY 562 Advanced Topics in Cognitive Psychology (Subtitle required)
30. PSY 564 Advanced Topics in Learning (Subtitle required)
31. PSY 565 Advanced Topics in Neuroscience (Subtitle required)
32. *PSY 566 Advanced Topics in Social Psychology (Subtitle required)

Of the 15 credit hours of courses from this list, (1) at least 6 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 6 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, contact: Director Lawrence Gottlob, gottlob@uky.edu; 207N Kastle Hall 0044, (859) 257-2280.

http://idp.as.uky.edu/cognitive-science

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 21 hours of course work including the following:

ENS 201 Environmental and Sustainability Studies I: Humanities and Social Sciences .......... 3
ENS 202 Environmental and Sustainability Studies II Natural Science and Policy ................. 3
PHI 336 Environmental Ethics ........................................ 3
ENG 425 Environmental Writing ......................... 3

plus 3 credit hours from each of the ENS Areas of Expertise: Economics, Environment, Society ............................................. 9

Economics


Environment


Society


Alternative elective courses may be approved by the Environmental Studies Program Director.

For further information, contact: Director David Atwood, datwood@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994.

http://idp.as.uky.edu/idp-environmental-studies

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) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (2) 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:
12 hours of courses on India from anthropology, English, geography, linguistics, mathematics, philosophy, political science, sociology, and independent studies in India. Students choose from the following courses:

- ANT 327 Culture and Societies of India and South Asia ............................................. 3
- GEO 330 Geography of the Indian Subcontinent ....................................................... 3
- GEO 365 Special Topics in Regional Geography (Subtitle required) ................. 3
- GEO 565 Topics in Geography ................................................................. 3
- *GWS 302 Gender Across the World (Subtitle required) ........................................ 3
- LIN 395 Independent Work ........................................................................... 3
- MA 330 History of Mathematics ....................................................................... 3
- *MUS 330 Music in the World (Subtitle required) .............................................. 3
- PHI 343 Asian Philosophy ............................................................................. 3
- PS 420G Governments and Politics of South Asia ........................................... 3
- SOC 380 Globalization: A Cross-Cultural Perspective ......................................... 3
- TA 584 Asian Theatre ................................................................................... 3

*The subtitle for this course must directly relate to the field of Indian culture.

Students in the Indian Culture minor program will be encouraged to participate in a study program in India in the course of their undergraduate education. For more information, contact: Professor Paul Karan, 817 Patterson Office Tower, (859) 257-6953; ppkaran@uky.edu

http://is.as.uky.edu/indian-studies-program-minor

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**Jewish Studies**

The interdisciplinary minor in Jewish 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. For more information, visit: mcl.as.uky.edu/jewish-studies

The minor in Jewish Studies requires 18 hours of course work as follows:

1. Required Courses
   - 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

2. Elective Courses
   - HJS 101 Elementary Hebrew ........................................................................... 4
   - HJS 102 Elementary Hebrew ........................................................................... 4
   - HJS 201 Intermediate Hebrew ........................................................................... 3
   - HJS 202 Intermediate Hebrew ........................................................................... 3
   - HJS 326 The Jewish Experience in America ..................................................... 3
   - HJS 327 Women in Judaism ........................................................................... 3
   - HJS 495 Independent Study in Judaic Studies .................................................. 3
   - PHI 504 Islamic and Jewish Philosophy and the Classical Tradition ....................... 3
   - CLA 390 Backgrounds to and Early History of Christianity to 150 CE ..................... 3
   - HIS 330 A History of Western Religious Thought (I) ............................................... 3
   - HIS 323 The Holocaust .................................................................................... 3
   - HJS 425 Topics in Judaic Studies (Subtitle required) ........................................ 3
   - And other courses with significant Judaic studies content, as approved by the Director, to a maximum of 6 credit hours.

For further information, contact: Director Janice Fernheimer, jfernheimer@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994. http://mcl.as.uky.edu/jewish-studies

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**Latin American, Caribbean, and Latino Studies**

The minor in Latin American, Caribbean, and Latino Studies provides instruction and broad exposure to the society and culture of Latin America. The minor requires a minimum of 18 credit hours to be distributed as follows:

- Preminor Requirements
  1. LAS 201 Introduction to Latin America ..................................................... 3
  2. plus one of the following courses:
     - HIS 206 History of Colonial Latin America, 1492 to 1810 ..................... 3
     - HIS 207 History of Modern Latin America, 1810 to Present ..................... 3

- Minor Requirements
  A minimum of 12 credit hours distributed evenly over the following four subject areas:
  1. Language Skills (3 hours beyond second-year Spanish)
  2. Prehistory and History (3 hours)
  3. Contemporary Latin American Societies (3 hours)
  4. Literature and the Arts of the Americas (3 hours)

For more information, consult the Director of Latin American Studies.

http://lachs.as.uky.edu/

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**UNDERGRADUATE CERTIFICATES**

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

- Appalachian Studies
- Peace Studies

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**Undergraduate Certificate in Appalachian Studies**

Students in any college may earn the Undergraduate Certificate in Appalachian Studies. The certificate is interdisciplinary (requiring course work in at least two colleges) and combines critical analysis with experiential education in the Appalachian region. The course work and practicum are tailored for each student in consultation with the program director to make the interdisciplinary certificate relevant to the student’s major, interests, and career plans.

A student planning a health science career might choose a practicum with the UK Center for Excellence in Rural Health in Hazard, Ky., for example, and a student interested in sustainable agriculture or elementary education might do a practicum with Green Forests Work, a reforestation and public education program in central Appalachia. The Appalachian Studies faculty spans ten colleges at UK and there are diverse courses available each semester to students enrolled in the certificate program.

The 12-hour certificate program focuses on understanding the Appalachian region, particularly Appalachian Kentucky, in historical, social/cultural, physical, and comparative context. All students must: 1) complete APP 200, Introduction to Appalachian Studies (which also satisfies the UK Core requirement in U.S. citizenship); 2) to satisfy an Appalachian engagement requirement (either through APP 399, the Appalachian Studies practicum course, or a relevant internship, service-learning course, or practicum in another program); and 3) to complete a capstone project either through APP 399, the Appalachian Studies Practicum, or a course approved as the capstone experience by the Appalachian Studies Program Director.

Remaining courses may be chosen from the Appalachia-related course listings published on the Appalachian Studies Web site each term, or a student may propose additional courses with a rationale accepted by the Appalachian Studies Program Director. Course work for the undergraduate certificate must be taken from within at least two colleges at UK. This requirement is a significant offering of this certificate program, given the Appalachian Center and Appalachian Studies Program’s service to the entire university community. The purpose of the requirement is to encourage students to explore curricular possibilities outside the college in which their major is administratively housed, in a program of study truly committed to interdisciplinary perspectives.

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**Appalachian Studies Curriculum**

The Certificate in Appalachian Studies curriculum are as follows:

- A minimum of 12 credits of course work taken for a letter grade.
- At least 12 credits must be 200 level or above, and a minimum of 6 credits must be at the 300-level or above.
- The student must complete a 3-credit breadth component. The breadth component requires that a student take courses in at least two colleges, with a minimum of three credits to be completed in a discipline other than the student’s major.
- Student must earn a C or better in each required certificate course to receive the certificate.
- Certificates will only be awarded to students who successfully complete a degree, or have completed a four-year degree.
Examples of Programs of Study

Here are three examples of programs of study for students successfully completing the Appalachian Studies undergraduate certificate:

APP 200 Introduction to Appalachian Studies ........... 3
APP 399 Practicum ...................................................... 1-6
JOU 485 Community Journalism ................................. 3
CLD 340 Community Interaction ................................... 3

This student could satisfy the engagement requirement through APP 399 at UK’s Robinson Center for Appalachian Resource Sustainability in Breathitt County on youth agricultural entrepreneurship, and satisfy the capstone requirement through a paper for Community Interaction on participation evaluation of a proposed economic development project in Appalachia.

APP 200 Introduction to Appalachian Studies ........... 3
MUS 301 Appalachian Music ...................................... 3
*ENG 450G Studies in American Literature
(Subtitle required) .................................................... 3
APP 399 Practicum ...................................................... 1-6
*ENG 450G subtitle must focus on some aspect of Appalachian literature.

This student could satisfy the engagement requirement and the capstone experience requirement by creating and implementing a program on the multicultural history of the banjo for students at a 4-H camp in the Appalachian region.

APP 200 Introduction to Appalachian Studies ........... 3
EES 385 Hydrology and Water Resources ................. 3
FOR 460 Forest Hydrology and Watershed Management ................................................. 4
APP 399 Practicum ...................................................... 1-6

This student could satisfy the engagement requirement by serving as an Appalachian Center intern for the KY Riverkeeper, helping to create a waterways trail, and satisfy the capstone experience requirement through drafting a management plan for a forest in the Appalachian region.

For more information, contact: Appalachian Studies Director Shaunna Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwellton Court, 0347; (859) 257-6882. 
https://appalachiancenter.as.uky.edu

Undergraduate Certificate in Peace Studies

The purpose of the Peace Studies program is to develop students with increased interests and understanding of issues of peace and justice from individual to global levels; to provide them with basic skills in peaceful communication, nonviolent and transformative conflict resolution; and to help them develop peaceful and cooperative cultures. The Peace Studies program will empower students to understand and reduce conflict at multiple levels, and will provide them with conflict resolution skills that are increasingly valued by employers, graduate programs, and are much needed in our communities.

A Peace Studies certificate offers a valuable credential and an appealing focus for students in many disciplines. While UK offers a plethora of courses relevant to Peace Studies, this is the single program that brings these elements into a coherent peacemaking focus. Because Peace Studies is inherently interdisciplinary, it can create an important context that may be missed when courses are completed within the framework of a single discipline. Students in Peace Studies will be better prepared to take advantage of co-curricular opportunities at UK. Many avenues also exist for fruitful synergy between the Peace Studies program and a student’s major and minor fields.

Program Requirements

The Peace Studies certificate is designed to be easily combined with a broad array of majors and minors across UK’s colleges and departments, and will increase a student’s credit hours needed for graduation only under rare circumstances. The Peace Studies program requires 12 credit hours. Six of the 12 required hours come from Peace Studies courses. These include the ‘portal’ course, PCE 201, which introduces students to Peace Studies, and the capstone course, PCE 410, which concludes the program.

Peace Studies Courses

*PCE 201 Introduction to Peace Studies ....................... 3
**PCE 410 Peace Studies Capstone Seminar ............... 3
*Meets UK Core requirement for Inquiry in the Social Sciences
**Meets UK Core requirement for Citizenship-GLOBAL Dynamics

Peace Studies Electives

Peace Studies electives are selected from existing courses in the University catalog and reflect both different departments and colleges. They are grouped into four Focus Areas:

Focus Area I: Peacebuilding ....................................... 0-6
Addresses systems and infrastructure needed to create more peaceful societies.

Focus Area II: Peacemaking ....................................... 0-6
Addresses leadership skills, skills for resolving and transforming conflict.

Focus Area III: Promoting Understanding, Cooperation, and Development ............................................ 0-6
Addresses cross cultural issues, international organizations, economic and social development.

Focus Area IV: Addressing Global and Regional Pressures ................................................................. 0-6
Addresses problems of population, scarcity, trade, sustainability, ecosystems, climate, and immigration.

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