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
- Bachelor of Liberal Studies

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; Japanese 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; a Bachelor of Science with a major in Neuroscience; and a Bachelor of Liberal Studies.

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 (859) 257-8712.

All Arts and Sciences students are expected to familiarize themselves with the degree requirements and keep track of requirements. The University has an online degree audit system called APEX (myuk.uky.edu/irj/portal). Students are expected to view their personalized degree audit prior to any advising session where scheduling for classes will be discussed. Routine questions concerning UK Core, college, major and minor requirements, grade-point average, repeat or bankruptcy options, transient student forms, credit overload requests, transfer credit equivalencies, forms required for graduation, and changing majors should be addressed to the student’s academic advisor.

For more information 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 128-129. 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 the Department of Anthropology is a research-intensive experience in which the student works closely with a faculty mentor. Requirements are: (1) a cumulative GPA of 3.5 or higher; (2) a departmental Major GPA of 3.5 or higher; (3) a research component designed by the student and the 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>Environmental and Sustainability Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA.</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>Gender and Women’s Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 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>Major</td>
<td>Cumulative GPA</td>
<td>Criteria</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Health, Society, and Populations</td>
<td>3.6</td>
<td>3.6 or above major GPA.</td>
</tr>
<tr>
<td>Hispanic Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in 300-500 level Spanish courses.</td>
</tr>
<tr>
<td>History</td>
<td>3.5</td>
<td>Minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of A or B in HIS 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>In order to graduate with departmental honors in political science, a student must obtain at least a 3.5 GPA in the major and at least a 3.25 overall GPA. Additionally, honor students must complete PS 490, Honors in Political Science. In this course, students will be expected to carry out a major research project. Should that option be unavailable, however, students will have an opportunity to arrange completion of a major research project under faculty guidance as part of PS 395, the department’s Independent Study course, subject to approval from the Director of Undergraduate Studies.</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>
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
   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 regard 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 petition 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 documentation establishing that English is their second language.
   b. Students must take six college hours in disciplines in the natural sciences.†
   c. Students must take six college hours in disciplines in the social sciences.†
   d. Students must take six college hours in disciplines in the humanities.

3. Complete at least 120 credit hours in courses acceptable to the College of Arts and Sciences.†
4. Complete at least 90 credit hours in Arts and Sciences courses.†
5. Complete at least 39 credit hours in courses numbered at or above the 300 level.†
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 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.

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

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 sciences.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 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 requirements).

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

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.

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/HIS 320 is not included in this 16 hour limit.
   d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See Experiential Education and Internship Course section within the Arts and Sciences section of the Bulletin.
   e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
   f. Courses transferred from other institutions and judged by the 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 University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Dean of Undergraduate Studies/Program Director and the College.
   i. Courses with an “S” grade designation or a “place holder” designation such as NSE (National Student Exchange) for 1 credit hour cannot be counted as credit toward a bachelor’s degree in Arts & Sciences. EAP 599, 1 credit hour, can count towards the A&S “hours” requirements for the degree.

3. Courses classified as Arts and Sciences courses for purposes of the 90-hour requirement include all courses offered by the College of Arts and Sciences; all art history courses; all courses in music and theatre appreciation and ART 100 plus the history of music and theatre; TAD 370; all economics courses; all undergraduate courses in the Department of Computer Sciences (CS); all undergraduate courses in the Department of Communication (COM); and all American Sign Language courses officially transferred to the student’s UK record.

4. CHE 230, 231, 232 and 233 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 400-899 cannot be counted as 300-level and above 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 sciences hours for the Bachelor of Science degree: all courses with a MA prefix (except MA 108R); all anatomy courses; all physiology courses; all biochemistry courses; all statistics courses; all computer science courses; DHIN 101; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; PHI 120 and PHI 320; PSY 215, 216, 312, 314, 456, and PSY 565; and ANT 230, 332, and 333.

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

To satisfy the Arts and Sciences core college requirement, students must complete three (for a B.S.) or six (for a B.A.) college hours in each of three areas – natural sciences, social sciences, and humanities – not counting any courses taken to fulfill the requirements of UK Core.

Students may also use other Arts and Sciences courses to satisfy the college core requirement if these courses have been approved to fulfill parallel inquiry areas in the UK Core.

Natural Sciences

Students cannot double dip courses to satisfy the Arts and Sciences core requirement that students complete in each of the three areas – natural sciences, social sciences, and humanities. A course used to satisfy the natural sciences requirement may not be used to satisfy the social sciences or humanities requirement.

1. All courses offered by Arts and Sciences departments or programs within the disciplines of the natural sciences including courses with the following departmental prefixes: AST, BIO, CHE, EES, PHI.

2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of natural sciences. However, if used to count as a Natural Science they cannot also be used for any Social Science requirement.

   a. 200
   b. 230, 332, 333, 353
   c. CGS 500
   d. DHIN 101
   e. ENS 200, 400
   f. ENST 110, 300
   g. GEO 130, 135, 230, 351, 451G, 530
   h. PGSY 206
   i. PLS 104
   j. PSY 312, 393, 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 requirement, 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 completed (e.g., main campus or transfer credit).
College of Arts and Sciences

Social Sciences

Students cannot double dip courses to satisfy the Arts and Sciences core requirement that students complete in each of the three areas – natural sciences, social sciences, and humanities. A course used to satisfy the social sciences requirement may not be used to satisfy the natural sciences or humanities requirement.

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

2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of social sciences:
   - AAS 200, 235, 326, 328, 336, 417G, 432, 471
   - ANT 515
   - ANT/LIN 516
   - ANT/LIN 519
   - ANT/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: GWS 201, PSY 459.

Humanities

Students cannot double dip courses to satisfy the Arts and Sciences core requirement that students complete in each of the three areas – natural sciences, social sciences, and humanities. A course used to satisfy the humanities requirement may be used to satisfy the natural sciences or social science requirement.

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
   - AIS 101, 102, 201, 202, 442, 443
   - CHI 101, 202, 201, 202
   - CLA 101, 102, 131, 151, 152, 201, 202, 251, 252
   - ENG 102, 207, 405, 407, 507, 509
   - FR 101, 102, 106, 201, 202, 204, 307, 310, 507, 553, 570
   - GER 011, 101, 102, 201, 202, 205, 206, 211, 212, 307, 308, 310, 507, 553, 612
   - HIS 101, 102, 201, 202
   - ITA 101, 202, 201, 202
   - JPN 101, 102, 201, 202, 301, 302, 401, 402, JPN/ GEO 334, JPN/GEO 551
   - LIN 520, 521
   - PHI 200, 320
   - PS 417G, 471
   - RUS 101, 102, 201, 202, 301, 302, 401, 404, 501, 502
   - SPA 011, 101, 102, 103, 151, 201, 202, 203, 205, 210, 311, 315, 302, 313, 413, 501, 506, 553
   - WRD 203, 204, 205, 306

3. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of humanities:
   - AMS 201
   - ANT 515, 516, 519
   - ART 100
   - CGS 500
   - GWS 201, 506
   - MUS 203, 222, 301, 302, 303, 325

College Laboratory or Field Experience Requirement

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

**Natural Sciences**
- Biology – BIO 111, 155, 209
- Chemistry – CHE 111, 113

**Earth and Environmental Sciences** – EES 160, 220
- Physics – PHY 231, 213, 241, 242

**Social and Behavioral Sciences**
- Anthropology – ANT 230, 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 elected 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 pre-major 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.

**Topical Studies Majors**

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

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

Topical Studies is the only selective admission program in the College of Arts and Sciences. The student must have a cumulative UK grade-point average of at least 2.5 to be accepted to Topical Studies. The specific requirements of the topical studies major are that the student must meet UK Core and College requirements, must enroll in and complete at least 30 credit hours after formal admission, and complete the 39-hour major requirements (see preceding section entitled “Major Requirements”). Except for electives, all of the student’s work must be related to the topic. Additionally, in the senior year, the student must complete a comprehensive paper or project that serves to integrate his or her topical studies field. Frequently, it is advantageous to begin writing this paper or project in the context of an independent work course or a seminar, with the instructor’s approval. The paper or project proposal must be approved by a faculty advisor, an Arts and Sciences Associate Dean, and the Topical Studies advisor before significant work has begun on the project. Students must submit the final paper or project for review and approval no later than eight weeks before finals during the semester the student intends to graduate. The paper should be submitted to the Associate Dean no later than six weeks before the final exam week during the semester the student intends to graduate. Departmental honors for topical studies majors are determined by the Associate Dean and the Topical Studies advisor. To be eligible for departmental honors, a student must have a cumulative GPA of at least 3.6 and a final paper or project that has been judged to be outstanding.

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

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 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 non-major or topical studies major may be permitted to enroll in a departmental independent work course. Such a course is characterized by special assignments for study, regular conferences, reports, and usually involves preparation of a paper. The instructor in each case must file with the department evidence of the nature of the work achieved. Credit for such courses may be granted to undergraduates to an amount of not more than 12 hours.

Experiential Education and Internship Courses

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

ROTC Program

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

- **Freshman Semesters**
  - AFS 111 offered in fall semesters
  - AFS 113 offered in spring semesters
- **Sophomore Semesters**
  - AFS 211 offered in fall semesters
  - AFS 213 offered in spring semesters

In the POC, there are four academic classes:

- **Junior Semesters**
  - AFS 311 offered in fall semesters
  - AFS 313 offered in spring semesters
- **Senior Semesters**
  - AFS 411 offered in fall semesters
  - AFS 413 offered in spring semesters

These courses cover two main themes – the development of air power and the contemporary Air Force in the context of the U.S. military organization. The GMC academic classes are open to any UK student.

**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 130.
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 Inferential Reasoning
Choose one course from approved list ................................. 3

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

X. Global Dynamics
One of the following:
ANT 160 Cultural Diversity in the Modern World
ANT 222 Middle East Cultures
ANT 225 Culture, Environment and Global Issues
ANT 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 (partially completed by Premajor
Requirements) ................................................................. 3
b. Social Science (completed by Premajor Requirements)
c. Humanities .................................................................................. 6

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

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

College Requirement hours: ...................................................... 15-29

Major 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 Inferential Reasoning
Choose one course from approved list ................................. 3

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

X. Global Dynamics
One of the following:
ANT 160 Cultural Diversity in the Modern World
ANT 222 Middle East Cultures
ANT 225 Culture, Environment and Global Issues
ANT 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) ................................................................. 3
b. Social Science (completed by Premajor
Requirement) ................................................................. 3
c. Humanities .................................................................................. 3

III. Laboratory or Field Work (can be completed by
Major Requirement) ................................................................. 3

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

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 an-
thropology 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 130-131.

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

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 130.

**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 or MA 113 Calculus I or MA 123 Elementary Calculus and its Applications ........................................ 4

**VIII. Statistical Inferential Reasoning**

- 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 (GCCCR)**

Choose one of three options:

1. BIO 425 Biology Seminar (Subtitle required) and BIO 350 Animal Physiology .................................. 5

2. BIO 425 Biology Seminar (Subtitle required) and BIO 430G Plant Physiology ................................ 5

3. WRD 204 Technical Writing ........................................ 3

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

**College Requirements**

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

**UK Core 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

**Premaj or hours: .................................................. 21†**

*The CHE 105 requirement can be satisfied with CHE 109 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

**College Requirements**

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

**UK Core 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

**Premaj or hours: .................................................. 21†**

*The CHE 105 requirement can be satisfied with CHE 109 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

**College Requirements**

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

**UK Core 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

**Premaj or hours: .................................................. 21†**

*The CHE 105 requirement can be satisfied with CHE 109 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.
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 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 and BIO 209 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*, 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)

PLS 320*, 330*, 332*, 366, 450G, 502, 566, 567*
PPA 4000*
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: ........................................ 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 130-131.

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
   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 ......................................................... 3
   or 
   MA 137 Calculus I With Life Science Applications ..................... 4

VIII. Statistical Inferential Reasoning
   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)
Choose one of three options:
1. BIO 425 Biology Seminar (Subtitle required) and
   BIO 350 Animal Physiology .................................................. 5
2. BIO 425 Biology Seminar (Subtitle required) and
   BIO 430G Plant Physiology .................................................. 5
3. WRD 204 Technical Writing ................................................. 3

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

College Requirements

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

General Education and college requirements: ........................................ 49 (39)

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 137/138 Calculus II With Life Science Applications or
MA 113/114 Calculus I ......................................................... 8

Premajor hours: ..................................................... 25-26

The CHE 105 requirement can be satisfied with CHE 109 and CHE 110.

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) 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 300+ 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 and PGV 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 and BIO 209 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
College of Arts and Sciences

EES 401G
ENT 310, 320, 402, 460, 561, 564, 568
FOR 340, 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)
PLS 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.)

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

Minor in Microbiology

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 or
CHE 580 Topics in Chemistry ...................... 3

One course from the following:
BIO/MI 494G 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 courses(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

Minor in Neuroscience

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

Minor Prerequisites
BIO 152 Principles of Biology II or equivalent .... 3

Minor Requirement
One of the following:
BIO 302 Introduction to Neuroscience or
PSY 312 Brain and Behavior ........................... 3

Minor Electives
Choose 12 credits from the following courses:
ANA 605 Neurobiology of CNS Injury and Repair .. 3
ANA 625 Introduction to Functional MRI .............. 1
ANA 780 Special Topics in Neurobiology ............ 1-3
BIO 395 Research in Biology – up to 6 credits can be used in this category .......................... 3
BIO 507 Biology of Sleep and Circadian Rhythms .. 3
BIO 535 Comparative Neurobiology and Behavior .. 3
BIO 638 Developmental Neurobiology ............... 3
BIO 650 Animal Physiology Laboratory .............. 2
CGS 500 Cognitive Science in Theory and Practice .. 3
CHE 580 Topics in Chemistry ....................... 1-3
PSY 459 Neuropharmacology: Drugs and Behavior .. 3
Other neuroscience-related courses at the 200-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 130.

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

1. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................ 3
II. Intellectual Inquiry in the Humanities  
Choose one course from approved list ……….. 3

III. Intellectual Inquiry in the Social Sciences  
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) ………….. 31

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

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

*Course used towards completion of a UK Core Requirement.

Curriculum for B.A. in Chemistry  

Freshman Year  

First Semester  

Hours  

CHE 105 General College Chemistry I ………….. 4  
CHE 111 Laboratory to Accompany General Chemistry I …………………. 1

Second Semester  

CHE 107 General College Chemistry II ………….. 3  
CHE 113 Laboratory to Accompany General Chemistry II …………………. 2

Sophomore Year  

First Semester  

Hours  

CHE 230 Organic Chemistry I ………….. 3  
CHE 231 Organic Chemistry Laboratory I ………….. 1

Second Semester  

CHE 226 Analytical Chemistry ………….. 3  
CHE 232 Organic Chemistry II ………….. 3  
CHE 233 Organic Chemistry Laboratory II ………….. 3

Junior Year  

First Semester  

Hours  

CHE 440G Introductory Physical Chemistry ………….. 4  
CHE 444G Physical Chemistry Laboratory ………….. 2

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, BIO, 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 ………….. 10

Other Major hours: ………….. 31

Second Semester  

CHE 441 Physical Chemistry Laboratory ………….. 2  
CHE 372 Communication in Chemistry I ………….. 1  
Foreign Language II ………….. 4  
A&S Humanities/Social Science ………….. 3  
Major Field Option* ………….. 6
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

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) ......................... 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 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 ................................................................. 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 441 Physical Chemistry Laboratory .................................................................. 3
CHE 442G Thermodynamics and Kinetics ............................................................... 3
CHE 532 Spectrometric Identification of Organic Molecules .................................... 2
CHE 533 Qualitative Organic Analysis Laboratory ..................................................... 2
CHE 547 Principles of Physical Chemistry I ............................................................. 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 422/522/533/550 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: Hours
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 .................................. 3
MA 114 Calculus II .................................................................................................... 4
CIS/WRD 111 Composition and Communication II ............................................... 3
UK Core .................................................................................................................... 3

Sophomore Year
First Semester: Hours
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
UK Core .................................................................................................................... 3

Second Semester
CHE 231 Organic Chemistry Laboratory ............................................................... 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: Hours
CHE 547 Principles of Physical Chemistry I .......................................................... 3
CHE 552 Spectrometric Identification of Organic Molecules .................................. 2
Foreign Language* .................................................................................................. 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 532 Spectrometric Identification of Organic Molecules .................................. 2
CHE 372 Communication in Chemistry I ............................................................... 1
Foreign Language II* .............................................................................................. 4
A&S Humanities/Social Science ............................................................................. 3

Senior Year
First Semester: Hours
CHE 412 Inorganic Chemistry Laboratory ............................................................. 2
CHE 422 Instrumental Analysis ................................................................................. 4
CHE 550 Biological Chemistry I ................................................................................

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

Second Semester
CHE 412 Inorganic Chemistry Laboratory ............................................................. 2
CHE 422 Instrumental Analysis ................................................................................. 4

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

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

*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 130-131.

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
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

UK Core .................................................................................................................... 6
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) 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
BIO 148 Introductory Biology I ....................... 3
BIO 151 Principles of Biology Laboratory I ....... 2
BIO 152 Principles of Biology II ....................... 3
BIO 153 Principles of Biology Laboratory II ...... 2

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

Major Requirements
Major Core Requirements
CHE 226 Analytical Chemistry ....................... 3
CHE 230 Organic Chemistry I ......................... 1
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 ......... 4
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 Hours
CHE 105 General College Chemistry I .......... 4
CHE 111 Laboratory to Accompany
   General Chemistry I ...................................... 1
MA 113 Calculus I ........................................... 4
CIS/WRD 110 Composition and Communication I .... 3
UK Core ....................................................... 3

Second Semester
CHE 107 General College Chemistry II .......... 3
CHE 113 Laboratory to Accompany
   General Chemistry II .................................... 2
MA 114 Calculus II ......................................... 4
BIO 148 Introductory Biology I ....................... 3
BIO 151 Principles of Biology Laboratory I ....... 2
BIO 152 Principles of Biology II ....................... 3
BIO 153 Principles of Biology Laboratory II ...... 2

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

Sophomore Year
First Semester Hours
CHE 230 Organic Chemistry I ......................... 3
BIO 152 Principles of Biology II ....................... 3
BIO 153 Principles of Biology Laboratory II ........ 2
MA 213 Calculus III ......................................... 4
PHY 231 General University Physics ................ 4
PHY 241 General University Physics Laboratory .... 1

Second Semester
CHE 231 Organic Chemistry Laboratory I .......... 1
CHE 232 Organic Chemistry II ......................... 3
CHE 226 Analytical Chemistry ......................... 3
PHY 232 General University Physics ................ 4
PHY 242 General University Physics Laboratory .... 1
UK Core ....................................................... 3

Junior Year
First Semester Hours
*CHE 440G Introductory Physical Chemistry ...... 4
CHE 422 Instrumental Analysis
or
CHE 532 Spectrometric Identification of Organic Molecules/Qualitative Organic Analysis Laboratory ............... 2
CHE 550 Biological Chemistry I ....................... 3
A&S Humanities/Social Science ....................... 3
UK Core ....................................................... 3

Second Semester
CHE 410G Inorganic Chemistry ....................... 2
CHE 454 Biological Chemistry Laboratory ........ 2
CHE 533 Qualitative Organic Analysis Laboratory (if CHE 532 taken) .......... 2
CHE 552 Biological Chemistry II ....................... 3
BIO 304 Principles of Genetics
or
BIO 308 General Microbiology

or
BIO 315 Introduction to Cell Biology ............... 3-4
Foreign Language** ............................................ 4

Senior Year

First Semester Hours
CHE 412 Inorganic Chemistry Laboratory .......... 2
Major Field Option ........................................... 2
CHE 372 Communication in Chemistry I .......... 1
A&S Humanities/Social Science ....................... 3
UK Core ....................................................... 3
Foreign Language** ............................................ 4

Second Semester
CHE 441 Physical Chemistry Laboratory .......... 2
Major Field Option ........................................... 2
CHE 472 Communication in Chemistry II .......... 1
Foreign Language** ............................................ 3
UK Core ....................................................... 3
Elective ....................................................... 3

*CHE 442G may be substituted for CHE 440G.
**Any language may be used to satisfy the College Foreign Language requirements – German is recommended.

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

Bachelor of Science with a major in CHEMISTRY

Materials Option
128 hours

NOTE: At the time of publication, the Materials Option had been provisionally approved by the Senate; final approval is expected for fall 2016.

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 130-131.

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
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
College of Arts and Sciences

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) .................................. 2
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
MSE 201 Materials Science .................................................... 3
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 441 Physical Chemistry Laboratory .................................... 2
CHE 472 Communication in Chemistry II .................................... 1
CHE 516 Inorganic Chemistry Laboratory ................................... 3
CHE 532 Spectrometric Identification of Organic Molecules .............. 2
CHE 533 Qualitative Organic Analysis Laboratory ......................... 2
CHE 547 Principles of Physical Chemistry I .................................. 3
CHE 566 Organic Materials: Characterization and Devices ................. 3
CHE 567 Organic Materials: Fabrication Laboratory ....................... 2
CHE 576 Polymer Chemistry .................................................. 3

Major Core hours: ............................................................. 42

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 422/522/533/ [550 or 552]; BCH 401G.

From the Mathematics Department
MA 213 Calculus III .......................................................... 4

From the Physics Department
*PH 231/232 General University Physics ..................................... 8
*PH 241/242 General University Physics Laboratory ....................... 2

Other Major hours: .......................................................... 20

Electives
Choose electives to lead to the minimum total of 128 hours required for graduation.

Total Minimum Hours Required for Degree ..................................... 128

*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
Materials Chemistry Option
Freshman Year
First Semester Hours
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
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ................................. 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 – Arts and Creativity ................................................ 3

Sophomore Year
First Semester Hours
CHE 230 Organic Chemistry I .................................................. 3
CHE 231 Organic Chemistry Laboratory I .................................... 1
MA 213 Calculus III ........................................................... 4
PHY 231 General University Physics ........................................... 4
PHY 241 General University Physics Laboratory ......................... 1
UK Core – Social Sciences .................................................... 3

Second Semester
CHE 226 Analytical Chemistry ................................................ 3
CHE 232 Organic Chemistry II ................................................ 3
PHY 232 General University Physics .......................................... 4
PHY 242 General University Physics Laboratory ......................... 1
Foreign Language I ............................................................ 4
UK Core – Humanities ......................................................... 3

Junior Year
First Semester Hours
MSE 201 Materials Science .................................................... 3
CHE 547 Principles of Physical Chemistry I .................................. 3
CHE 532 Spectrometric Identification of Organic Molecules .............. 2
CHE 576 Polymer Chemistry .................................................. 3
Foreign Language II ........................................................... 4
A&S Humanities ............................................................... 3

Second Semester
CHE 410G Inorganic Chemistry .............................................. 2
CHE 533 Qualitative Organic Analysis Laboratory ......................... 2
CHE 441 Physical Chemistry Laboratory .................................... 2
CHE 516 Inorganic Chemistry Laboratory ................................... 3
Foreign Language III ........................................................... 4
A&S Free Elective ............................................................ 3

Senior Year
First Semester Hours
CHE 412 Inorganic Chemistry Laboratory ................................... 2
CHE 372 Communication in Chemistry I ..................................... 1
Major Field Option ............................................................ 3
A&S Social Sciences ........................................................... 3
UK Core – Citizenship - USA ............................................... 3

Second Semester
CHE 566 Organic Materials: Characterization and Devices .............. 3
CHE 567 Organic Materials: Fabrication Laboratory ....................... 2
CHE 472 Communication in Chemistry II ................................... 1
Major Field Option ............................................................ 3
A&S Free Elective ............................................................ 3
UK Core – Global Dynamics ................................................ 3

*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.

Minor in Chemistry
The minor in Chemistry requires the following:
MA 113 Calculus I or ........................................................... 3
MA 114 Calculus II ................................................................ 4
MA 132 Calculus for the Life Sciences ....................................... 3
MATH 215 Calculus III ......................................................... 4
PHY 211/213 General Physics or ............................................. 10
PHY 231/241 General University Physics and Laboratory ................ 5
PHY 232/242 General University Physics and Laboratory ............... 5
CHE 105/107 General College Chemistry I and II ....................... 7
CHE 111/113 Laboratory to Accompany General Chemistry I and II ..................................................... 3
CHE 226 Analytical Chemistry ................................................ 3
CHE 230/231 Organic Chemistry I and Laboratory I ...................... 3
CHE 232/233 Organic Chemistry II and Laboratory II .................... 4
CHE 440F Introductory Physical Chemistry or ................................ 4
CHE 446G Physical Chemistry for Engineers ............................... 3

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 130.

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 6 hours of EES courses at the 400+ level, not to include EES 495 or 496

From the Major Department:

EES 230 Fundamentals of Geology I ............................. 3
EES 350 Regional Historical Geology ............................. 3
EES 360 Mineralogy ................................................... 4
EES 420G Structural Geology ......................................... 4
EES 450G Sedimentary Geology ...................................... 4
EES 461G Igneous and Metamorphic Petrology ............... 4

Major Core hours: .................................................. 25

Other Course Work Required for the Major

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

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)

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

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

Premajor Requirements

*CHE 105 General College Chemistry I ....................... 4
*CHE 111 Laboratory to Accompany ............................ 1
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 461G Igneous and Metamorphic Petrology ............... 4

Major Core hours: .................................................. 25

Graduation Composition and Communication Requirement (GCCR)

EES 235 Fundamentals of Geology II ............................ 3
EES 461G Igneous and Metamorphic Petrology ............... 4

Graduation Composition and Communication Requirement hours (GCCR) ........................................ 7

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

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

Graduation Composition and Communication Requirement (GCCR)

EES 235 Fundamentals of Geology II ............................ 3
EES 461G 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 (completed by Major Requirements) .... 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 111 Laboratory to Accompany ............................ 1
CHE 107 General College Chemistry II ....................... 3
CHE 113 Laboratory to Accompany ............................ 1
General Chemistry I ............................................ 3
General Chemistry II ............................................. 2
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

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 130-131.
**College of Arts and Sciences**

**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

**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 232/241/242 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 Sequence and EES Elective II Requirements

**Other Major hours:** ........................................ 0-18

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

*Course used towards completion of a UK Core 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 degrees – a Bachelor of Science in the Gatton College of Business and Economics, a Bachelor of Arts and a Bachelor of Science with a major in Economics in the College of Arts and Sciences, and a Bachelor of Arts and a Bachelor of Science with a major in mathematics. 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 130.

**UK Core Requirements**

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

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

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

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

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

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

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

7. Quantitative Foundations
   - MA 123 Elementary Calculus and its Applications
   - MA 113 Calculus I ............................................. 4

8. Statistical Inferential Reasoning
   - Choose one course from approved list ............................... 3

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

10. Global Dynamics
    - Choose one course from approved list .............................. 3

**Premajor Requirements**

*MA 113 Calculus I
or
*MA 123 Elementary Calculus and its Applications

MA 162 Finite Mathematics and its Applications .... 4-7

ECO 201 Principles of Economics I ............................... 3

ECO 202 Principles of Economics II ............................... 3

STA 296 Statistical Methods and Motivations ........................ 3

**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: Anthropology, Computer Science, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics, or courses offered by the College of Business and Economics. 200+ level courses used to satisfy College Requirements can also be counted here ................................. 15-21

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

**Electives**

Choose electives to lead to the minimum total of 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 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 130-131.

**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.

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

---

*University of Kentucky*  
*2016-2017 Undergraduate Bulletin*  
*144*
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 ................................. 4-7

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)
   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 296 Statistical Methods and Motivations .......... 3

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

Major Requirements
EKO 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:

Anthropology, Computer Science, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics, or courses offered by the College of Business and Economics. 200+ level courses used to satisfy College Requirements can also be counted here .......................... 15-21

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

Electives
Choose electives to lead to the minimum total of 60 science hours and 120 earned hours required for graduation ........ 7

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

*Course used towards completion of a UK Core Requirement.

Minor in Economics

The minor in Economics requires 18 hours of course work to include:
ECO 201 Principles of Economics I ......................... 3
ECO 202 Principles of Economics II ......................... 3
ECO 401 Intermediate Microeconomic Theory ....... 3
or
ECO 402 Intermediate Macroeconomic Theory ...... 3
Three additional economics courses at the 300-level or above ........................................... 9

ENGLISH

The Department of English offers a wide variety of courses in British, American and African-American literature as well as in creative writing, cultural studies, composition, and film.

Bachelor of Arts with a major in ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 130.

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) ..................... 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 ........................................... 6
   c. Humanities ................................. (completed by Major Requirements) ........ 3
III. Laboratory or Field Work ........................................... 1
IV. Electives ........................................................................ 6
College Requirement hours: ........................................... 19-33

Premajor Requirements
*CIS/WRD 110 Composition and Communication I (requirement fulfilled in UK Core)
plus one of the following (ENG 230 recommended):
ENG 107 Writing Craft: Introduction to Creative Writing ........................................... 3
ENG 209 The Structure and Use of English ........................................... 3
ENG 230 Introduction to Literature (Subtitle required) ........................................... 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 two Historical 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

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

*Course used towards completion of a UK Core Requirement.
ENG Early Period Requirement: 0-3
Majors must take at least one Early Period ENG course of their choice. This requirement will NOT be waived.

Courses fulfilling the Early Period Requirement include:
ENG 241 Survey of British Literature I 3
ENG 251 Survey of American Literature I 3
ENG 241 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

Diversity Requirement: 3
Students are required to take one of the following courses among their surveys or electives to fulfill the ENG Major Diversity Requirement:
ENG 260 Introduction to Black Writers 3
ENG 265 Survey of African-American Literature I 3
ENG 266 Survey of African-American Literature II 3
ENG 361 Early African-American Literature 3
ENG 362 Flights to Freedom: Literature of the Great Black Migrations 3
ENG 368 Contemporary African-American Voices 3
ENG 369 African American Women's Writing 3
ENG 370 Literature Across Borders 3
ENG 460C Studies in African-American Literature (Subtitle required) 3
ENG 470G Comparative and Transnational Studies in Literature (Subtitle required) 3
ENG 490C Studies in Literature and Gender (Subtitle required) 3

any other course designated as a Diversity course at the 200-500 level 3

Major Core hours: 9-15

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. 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 maximum may be counted from additional Historical Surveys (surveys cannot be double-counted for the Historical Survey Requirement and for the total ENG course requirement);
- two courses maximum may be counted from among ENG 207, ENG 221, ENG 260, ENG 280, and ENG 290.

All additional courses must be at the 300-500 level in ENG. Majors should fulfill the Early Period and Diversity Requirements from among these courses if they have not been already satisfied (e.g., by survey classes or ENG 330). 21

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- level outside English are required in allied departments and programs in Arts, Humanities, Social Sciences, and Education. Applicable departments and programs include (by prefix): A&S, AAS, AIS, ANT, APP, CHI, CLA, EDC, EDU, EPE, GER, GWS, HIS, HIS, HFN, HON, IAS, ITA, JOU, JPN, LAS, LIN, MAS, MCL, PHI, PS, SPA, ST, WRD

Total Major hours: 39-42

Other Electives
Choose electives and other courses to lead to the minimum total of 120 hours required for graduation.

Total Minimum Hours Required for Degree 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 130-131.

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)
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: 16-30

Premajor Requirements
*CIS/WRD 110 Composition and Communication I (requirement fulfilled in UK Core) 3
*CIS/WRD 111 Composition and Communication II (requirement fulfilled in UK Core) 3

plus one of the following (ENG 230 recommended):
*ENG 107 Writing Craft: Introduction to Creative Writing 3
*ENG 209 The Structure and Use of English 3
*ENG 230 Introduction to Literature (Subtitle required) 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 two Historical 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 American Literature I 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 Early Period ENG course of their choice. This requirement will NOT be waived. 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 subtitle courses as designated
at the 300-400 level .................................................. 3

Diversity Requirement ............................................... 3

Students are required to take one of the following courses
among their surveys or electives to fulfill the ENG Major
Diversity Requirement:
ENG 260 Introduction to Black Writers ...................... 3
ENG 265 Survey of African-American
Literature I .............................................................. 3
ENG 266 Survey of African-American
Literature II .............................................................. 3
ENG 361 Early African-American Literature ............... 3
ENG 362 Flights to Freedom:
Literature of the Great Black Migrations ............ 3
ENG 368 Contemporary African-American
Voices ...................................................................... 3
ENG 369 African American Women’s Writing ......... 3
ENG 370 Literature Across Borders ......................... 3
ENG 460G Studies in African-American
Literature (Subtitle required) ............................... 3
ENG 470G Comparative and Transnational Studies
in Literature (Subtitle required) ......................... 3
ENG 490G Studies in Literature and Gender
(Subtitle required) .................................................. 3
any other course designated as a Diversity course at the
200-500 level ............................................................. 3

Major core hours: ..................................................... 9-15

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 must be at the 400-level, of which one
must be above ENG 407 (i.e., not ENG 401, 405, or
407);
• two courses maximum may be counted from addi-
tional Historical Surveys (surveys cannot be double-
counted for the Historical Survey Requirement and
for the total ENG course requirement);
• two courses maximum may be counted from among
ENG 207, ENG 221, ENG 260, ENG 280, and ENG
290.

All additional courses must be at the 300-500 level in ENG.
Majors should fulfill the Early Period and Diversity Require-
ments from among these courses if they have not been already
satisfied (e.g., by survey classes or ENG 330) ............. 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 ............... 6
• submission of a portfolio for evaluation by the Imagi-
native 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 252 Survey of American Literature I
ENG 252 Survey of American Literature II
ENG 265 Survey of African-American Literature
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
ENG 507 Advanced Workshop in
Imaginative Writing (Subtitle required) .................... 6

Minor Electives
Two non-Creative Writing ENG courses ................. 6

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 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

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.

ENVIRONMENTAL 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 eco-

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.

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 com-
pleted 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 require-
ments for a Bachelor of Arts degree on page 130.

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
College of Arts and Sciences

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) ............................... 3
  b. Social Science (completed by Major Requirements) ............................... 3
  c. Humanities ......................................................................................... 6
III. Laboratory or Field Work ....................................................................... 1
IV. Electives .................................................................................................. 6

College Requirement hours: ........................................................................ 30

Required Core Courses

Hours
ENS 201 Environmental and Sustainability Studies I: .......................... 3
Humanities and Social Sciences ................................................................. 3
ENS 202 Environmental and Sustainability Studies II: .......................... 3
Natural Science and Policy ...................................................................... 3
ENG 425 Environmental Writing ............................................................. 3
ENS 300 Special Topics (Subtitle required) .............................................. 3
PHI 336 Environmental Ethics ................................................................. 3
ENS 400 Senior Seminar (Subtitle required) .............................................. 3

Required Core courses hours: ................................................................. 18

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.

AEC 303 Microeconomic Concepts in Agricultural Economics ............... 3
AEC 326 Principles of Environmental Law ................................................. 3
AEC 445G Introduction to Resource and Environmental Economics .......... 3
AEC/ECO 479 Public Economics ............................................................... 3
AEC 483 Regional Economics ................................................................. 3
AEC 532 Agriculture and Food Policy ....................................................... 3
AEC/NRE 545 Resource and Environmental Economics ........................ 3
ANT 225 Culture, Environment and Global Issues ..................................... 3
ANT 311 Anthropology of Globalization .................................................... 3
ANT 322 Ancient Mexican Civilizations .................................................... 3
ANT 338 Economic Anthropology ............................................................. 3
ANT 340 Development and Change in the Third World ............................ 3
ANT 375 Ecology and Social Practice ......................................................... 3
ANT 470G Regional American Ethnography .............................................. 3
ANT 532 Anthropology of the State ............................................................ 3
ANT 543 Cultural Resource Management .................................................. 3
*ECO 201 Principles of Economics ............................................................ 3
ECO 202 Principles of Economics II .......................................................... 3
ECO 401 Intermediate Microeconomic Theory ......................................... 3
ECO 410 Current Issues in Economics (Subtitle required) ............................ 3
ECO 473G Economic Development .......................................................... 3
ENS 395 Independent Work ........................................................................ 3
FOR 280 Forest Resource Policy and Law .................................................. 3
FOR 325 Economic Botany: Plants and Human Affairs ............................ 3
GEO 231 Environment and Development ................................................. 3
GEO 235 Environmental Management and Policy .................................... 3
GEO 255 Geography of the Global Economy .......................................... 3
GEO 260 Geographies of Development in the Global South ....................... 3
GEO 312 Land, People, and Development in Appalachia ........................... 3
GEO 442G Political Geography ................................................................. 3
GEO 455 Globalization and the Changing World Economy ....................... 3
GEO 550 Sustainable Resource Development and Environmental Management .... 3
NRE 201 Natural Resources and Environmental Science ........................ 3
NRE 381 Natural Resource and Environmental Policy Analysis .............. 3
STA 210 Statistics: A Force in Human Judgment ...................................... 3
STA 291 Statistical Methods ..................................................................... 3
STA 320 Introductory Probability ............................................................... 3
*ECO 201 is required for Area 1.

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 .......................................................... 3
ANT 241 Origins of Old World Civilization ................................................. 3
ANT 242 Origins of New World Civilization .............................................. 3
ANT 351 Special Topics in Archaeology (Subtitle required) ......................... 3
BIO 303 Introduction to Evolution ............................................................. 4
BIO 325 Ecology ....................................................................................... 4
BIO 375 Behavioral Ecology and Sociobiology ......................................... 3
BIO 452G Laboratory in Ecology ............................................................... 2
CE 555 Microwave Aspects of Environmental Engineering ....................... 3
CHE 565 Environmental Chemistry ........................................................... 3
CPI 201 Introduction to Public Health ......................................................... 3
CPI 320 Fundamentals of Environmental Health ........................................ 3
CPI 365 Special Topics in Public Health (Subtitle required) ............................ 3
EGR 240 Global Energy Issues .................................................................. 3
ENG 401 Special Topics in Writing (Subtitle required) .................................. 3
ENG 425 Environmental Writing ............................................................... 3
ENS 395 Independent Work ........................................................................ 3
FOR 219 Dendrology ................................................................................ 4
FOR 240 Forestry and Natural Resource Ethics ......................................... 2
FOR 435 Conservation Biology ................................................................. 3
FOR 599 Independent Work in Forestry ..................................................... 1-3
GEO 231 Environment and Development ................................................. 3
GEO 235 Environmental Management and Policy .................................... 3
GEO 322 Geography of Kentucky ............................................................. 3
GEO 331 Global Environmental Change .................................................. 3
GEO 351 Physical Landscapes .................................................................. 3
GEO 431 Political Ecology ....................................................................... 3
GEO/BIO 530 Biogeography and Conservation ....................................... 3
GEO 531 Landscape Ecology .................................................................... 3
GEO 550 Sustainable Resource Development and Environmental Management .... 3
EES 220 Principles of Physical Geography ................................................ 4
PHI 300 Special Topics in Philosophy (Subtitle required) ............................. 1-3
EES 341 Landforms or ANT 342 North American Archaeology .................... 3
EES 360 Mineralogy .................................................................................. 4
EES 385 Hydrology and Water Resources ................................................ 3

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 ................................................ 3
ANT 225 Culture, Environment and Global Issues .................................... 3
ANT 245 Food Culture and Society ............................................................ 3
ANT 303 Topics in the Anthropology of Food and Nutrition (Subtitle required) ... 3
ANT 311 Anthropology of Globalization .................................................... 3
ANT/AAS 326 People and Cultures of Sub-Saharan Africa ............................ 3
ANT 340 Development and Change in the Third World ............................ 3
ANT 342 North American Archaeology .................................................... 3
ANT 375 Ecology and Social Practice .......................................................... 3
ANT 470G Regional American Ethnography .............................................. 3
ANT 525 Applied Anthropology ................................................................. 3
ANT 545 Historical Archaeology ............................................................... 3
ANT 555 Eastern North American Archaeology ........................................ 3
ARC 314 History and Theory III: 20th Century and Contemporary Architecture ... 3
ARC 315 World Architecture and Urbanism ................................................. 3
ENG 339 Author Studies (Subtitle required) ............................................... 3
ENG 401 Special Topics in Writing (Subtitle required) .................................. 3
ENS 395 Independent Work ........................................................................ 3
GEO 231 Environment and Development ................................................. 3
GEO 285 Introduction to Planning ............................................................. 3
GEO 312 Land, People, and Development in Appalachia ........................... 3
GEO 331 Global Environmental Change .................................................. 3
GEO 431 Political Ecology ....................................................................... 3
GEO 485G Urban Planning and Sustainability .......................................... 3
HIS 240 History of Kentucky ................................................................. 3
LA 205 History of Landscape Architecture .............................................. 3
PHI 361 Biology and Society ..................................................................... 3
PS 391 Special Topics in Political Science (Subtitle required) ....................... 3
SAG 201 Cultural Perspectives on Sustainability ....................................... 3
SOC 302 Sociological Research Methods .................................................. 3
SOC/CLD 360 Environmental Sociology ................................................... 3
SOC 363 Environmental Justice ............................................................... 3
SOC/CLD 380 Globalization: A Cross-Cultural Perspective ....................... 3

University of Kentucky
2016-2017 Undergraduate Bulletin
148
I. Intellectual Inquiry in Arts and Creativity

Advisor to complete the UK Core requirements. Students should work closely with their advisor to complete the UK Core requirements. 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. See the page 130.

From Outside the Major Department

Choose hours 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

II. Intellectual Inquiry in the Humanities

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

Subtotal: Electives .......................... minimum of 6

Total Minimum Hours

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

III. Intellectual Inquiry in the Natural, Physical, or Mathematical Sciences

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

IV. Intellectual Inquiry in the Social Sciences

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

V. Composition and Communication I

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

VI. Composition and Communication II

SIS/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

SPA 208 U.S. Latino Culture and Politics .......................... 3

X. Global Dynamics

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

GER 342 War, Peace, and Territorial Conflict in Germany and Europe .......................... 3

GER 361 German Cinema .......................... 3

JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 .......................... 3

X. Global Dynamics

JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .......................... 3

JPN 351 The Japanese Experience of the Twentieth Century .......................... 3

RUS 370 Russian Folklore (in English) .......................... 3

RUS 371 Russian Culture 900-1900 .......................... 3

RUS 372 Russian Culture 1900-Present .......................... 3

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

Graduation Composition and Communication Requirement (GCCR)

MCL/SPA 300 Contact Zones:

Cultivating Intercultural Competence .......................... 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: .......................... 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 .......................... 3

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 474E International 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 .......................... 3

and Film in Translation .......................... 3

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

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

AIS 332 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 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 Middle 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, 1840 to Present .......................... 3

plus 12 hours from the following:

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
College of Arts and Sciences

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 Daoism ..................................................... 3
CHI 511 Literary Chinese ....................................... 3
*A-H 310 Asian Art and Culture (Subtitle required) .... 3
*HIS 355 Topics in Non-Western History
Since 1789 .......................................................... 3
HIS 597 Werners in East Asia ................................ 3
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 ............................................. 3
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 ....................... 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 (Subtitle required) ......... 3
GEO/JPN 551 Japanese Multinational Corporations (Subtitle required) .... 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 (Subtitle required) ....... 3
PS 419G The Governments and Politics of Eastern Asia (Subtitle required) .... 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 1900-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 555 Russia in the 20th Century ............................ 3
HIS 536 Intellectual and Cultural History of Russia to 1800 ........ 3
HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .... 3
PS 429G Government and Politics in Russia and the Post-Soviet States .... 3
RUS 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 535 Russian Visual 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 130-131.

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
AIS 320 Modern Arabic Literature and Film in Translation
AIS 345 Islamic Mysticism
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840
CHI 331 Introduction to Chinese Culture, 1840 to Present
FR 103 French Cinema
FR 205 The French Graphic Novel
FR 225 French Film Noir
GER 103 Fairy Tales in European Context
GER 105 German Film Today
MCL 100 The World of Language
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 200 Global Literacy
MCL 270 Introduction to Folklore and Mythology
RUS 275 Russian Film
RUS 371 Russian Culture 900-1900
RUS 372 Russian Culture 1900-Present
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
or any area course ............................................. 3
III. Intellectual Inquiry in the Social Sciences
AIS 430 Islam in America ........................................ 3
ECO 101 Contemporary Economic Issues ..................... 3
MCL 135 Vampires: Evolution of a Sexy Monster ............. 3
MCL 270 Introduction to Folklore and Mythology .............. 3
RUS 370 Russian Folklore (in English) ........................ 3
or any area course .................................................. 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
SPA 208 U.S. Latino Culture and Politics ........................ 3
or any area course .................................................. 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 ........................................... 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
RUS 370 Russian Folklore (in English) ........................ 3
RUS 371 Russian Culture 900-1900 ............................... 3
RUS 372 Russian Culture 1900-Present .......................... 3
UK Core hours ................................................................ 30

Graduation Composition and Communication Requirement (GCCR)
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ................. 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 .............................................................. 3
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 ........................................ 3
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 473G 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 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, 1840 to Present ...... 3
plus 12 hours from the following:
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 Daumia ............................................................. 3
CHI 511 Literary Chinese .................................................. 3
*A-H 310 Asian Art and Culture (Subtitle required) .......... 3
*HIS 355 Topics in Non-Western History Since 1789 .......... 3
HIS 597 Westermers 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.

Language Core Requirement: French
FR 204 Introduction to French and Francophone Studies .......... 3
FR 214 France Today ...................................................... 3
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 ............................... 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 311 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 Social 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

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

College of Arts and Sciences
Election
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 130.

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 599 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 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 LGBTIQ 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 .......... 1-3

GWS 599 Internship in Gender and Women’s Studies .......... 1-3

GWS 599 Internship in Gender and Women’s Studies .......... 1-3

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
- GWS 201 Gender and Popular Culture
- GWS 250 Social Movements
- GWS 340 History of Feminist Thought to 1975
- GWS 350 Introduction to Feminist Theorizing

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 Faculty.

For further information, contact the department manager, Gender and Women’s Studies, 112 Breckinridge Hall, (859) 257-1388.

---

### GEOGRAPHY

Geography analyzes and explains the location of and interrelationships between human and physical features of the earth’s environment. Geographers also examine how and why features and their locations change over time, with particular interest in the many impacts of these changes on both people and natural settings. Geography is, therefore, both a social and a physical science. Because its fundamental subject matter is people and their environments, the discipline serves as an effective bridge between the physical and cultural worlds.

Majors in geography build solid academic foundations that draw from and interrelate areas of study from the social and behavioral sciences, humanities, computer science and graphic communication, and the natural sciences. With developed analytical, critical thinking, and communication skills, geography is particularly useful for students wishing to enter such careers as economic development, environmental management, international trade, transportation analysis and planning, diplomacy, government administration from local to federal levels, market analysis, urban and regional planning, research, teaching, cartography, Geographic Information Systems (GIS), and private business.

The Department of Geography has developed detailed major concentration tracks in 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/.

---

### 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 130.

### 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)

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 ............................................ 6

b. Social Science (completed by Major Requirements) ......................................... 6

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

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

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

**College Requirement hours: ......................... 19-33**

### 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 classes; 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 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 Forms 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
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 130-131.

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)
GEO 499 Senior Research Seminar (GCCR) 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
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 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 Forms 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 499G American Landscapes 3
GEO 544 Human Population Dynamics 3
GEO 545 Transportation Geography 3

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

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 ..................................................... 3
GEO 222 Cities of the World ........................................ 3
GEO 320-365 Regional Geography Courses ................. 3
GEO 452G World Geography for Teachers .................. 3
GEO 430G 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 415G 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:
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 300 GEO 336 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
or GEO 331 Global Environmental Change ................. 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 546 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 300-365 Regional Geography Courses ................ 3
GEO 455 Globalization and the Changing World Economy 3
GEO 545 Transportation Geography ........................... 3
GEO 546 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
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
*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
GEO 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.

Geography majors can also minor in Mapping and GIS, but no more than 6 credits can be used to cover both major and minor requirements.

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 health care, 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 Ecosystems, 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 130.

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
MA 111, 113, 122, 137 recommended.

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 ........................... 4
ANA 110 Anatomy and Physiology for Nursing II ......................... 4
*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 at least 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

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

III. Laboratory or Field Work
(PST 100 recommended) .................................................. 1-3

IV. Electives
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, 122, 137 recommended.

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

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

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 130.

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)

SPA 323 Introduction to Spanish Translation ........................3

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

College Requirements

I. Foreign Language (completed by Premajor Requirement)
   a. Natural Science .............................................................6
   b. Social Science ..............................................................6
   c. Humanities (completed by Major Requirements) ..........6

II. Disciplinary Requirements
   a. Literature or Field Work ...............................................1
   b. Electives ....................................................................6

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

*Premajor Requirements
SPA 210 Spanish Grammar and Syntax ...............................6
and
SPA 211 Intermediate Spanish Conversation .....................6

*Premajor hours: .................................................................3-6

*The premajor requirements may be fulfilled by AP exam – credit bearing – or departmental placement exam – noncredit bearing.

Major Requirements

Major Core Requirement
SPA 310 Spanish Composition
   Through Textual Analysis ..................................................3

Major Core hours: ................................................................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 ..................................................................30

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
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
HIS – History
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

College of Arts and Sciences

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 ..................................................3

Specialty Option Courses
Choose 18 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 332 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 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.

Non-specialty Option Courses
Choose 6 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 324 The Theatre in Spain and 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

*These courses must have a focus on language or linguistics.
**Option B – Spanish Literature and Culture**

**Required Course**
SPA 310 Spanish Composition
Through Contexual 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 Spanish America
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 359 Themes in Medieval and Contemporary Spanish Literature and Culture (Subtitle required)
SPA 361 Latin American Literature in Translation
SPA 363 Advanced Spanish Grammar
SPA 365 Introduction to Spanish Linguistics
SPA 367 Spanish Literature and Film (Subtitle required)
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
**SPA 399 Field Based/Community-Based Education**

**Additional Courses**
Choose 6 credit hours from either list

**Total SPA hours:** ............................................. 30

**Option C – Spanish (General)**

**Required Course**
SPA 310 Spanish Composition
Through Contexual Analysis

**Specialty Option Courses**
Choose 9 credit hours from Literature and Linguistics courses:
**SPA 300 Contact Zones:**
Cultivating Intercultural Competence
SPA 302 Spanish for Business Professionals
SPA 312 Civilization of Spain
SPA 314 Civilization of Spanish America
SPA 315 Introduction to Hispanic Literature
SPA 320 Literature, Life and Thought of Spanish America
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 359 Themes in Medieval and Contemporary Spanish Literature and Culture (Subtitle required)
SPA 361 Latin American Literature in Translation
SPA 363 Advanced Spanish Grammar
SPA 365 Introduction to Spanish Linguistics
SPA 367 Spanish Literature and Film (Subtitle required)
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
**SPA 399 Field Based/Community-Based Education**

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

**Total SPA hours:** ............................................. 30

---

**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
SPA 211 Intermediate Spanish Conversation

**Required Core Course**
SPA 310 Spanish Composition
Through Textual Analysis

plus 12 credit hours at the 300-level or above. 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
SPA 302 Spanish for Business Professionals
SPA 312 Civilization of Spanish America
SPA 314 Civilization of Spanish America
SPA 315 Introduction to Hispanic Literature
SPA 320 Literature, Life and Thought of Spanish America
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 359 Themes in Medieval and Contemporary Spanish Literature and Culture (Subtitle required)
SPA 361 Latin American Literature in Translation
SPA 363 Advanced Spanish Grammar
SPA 365 Introduction to Spanish Linguistics
SPA 367 Spanish Literature and Film (Subtitle required)
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
**SPA 399 Field Based/Community-Based Education**
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)

---

**Further Courses**

SPA 424 Medieval and Early Modern Spanish Studies
(Subtitle required) ............................................. 3
SPA 432 18th and 19th Century Spanish Studies
(Subtitle required) ............................................. 3
SPA 434 Spanish Literature of the 20th Century
in Spanish America ............................................. 3
SPA 438K Literature of Social Protest in Spanish America ........................ 3
SPA 444 20th and 21st Century Spanish Studies
(Subtitle required) ............................................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies
(Subtitle required) ............................................. 3
SPA 464 Contemporary Spanish-American Studies
(Subtitle required) ............................................. 3
SPA 474 Topics in Hispanic Studies
(Subtitle required) ............................................. 3
**SPA 480 Hispanic Kentucky ............................................. 3
**SPA 497 Hispanic Studies Honors Thesis ........................ 3

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:
*SP 300 Contact Zones:
Cultivating Intercultural Competence
SPA 302 Spanish for Business Professionals
SPA 312 Civilization of Spanish America
SPA 314 Civilization of Spanish America
SPA 315 Introduction to Hispanic Literature
SPA 320 Literature, Life and Thought of Spanish America
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 359 Themes in Medieval and Contemporary Spanish Literature and Culture (Subtitle required)
SPA 361 Latin American Literature in Translation
SPA 363 Advanced Spanish Grammar
SPA 365 Introduction to Spanish Linguistics
SPA 367 Spanish Literature and Film (Subtitle required)
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
SPA 399 Field Based/Community-Based Education

**Total SPA hours:** ............................................. 30
HISTORY

History is the study of the most important and exciting events that have ever occurred, providing students with a wide ranging introduction to modern societies, cultures, and global events. The Department of History’s program provides rigorous instruction in critical thinking, writing, and composition. And as one of the broadest and most diverse disciplines in academia, history provides students with connections to numerous other programs and opportunities across campus. History majors develop research and presentation skills that are highly transferable to any career, including those in public policy, law, government, education, public relations, healthcare, journalism, publishing, sales, and marketing, among others.
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)
HIS 499 Senior Seminar for History Majors
(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
HIS 104 A History of Europe through the Mid-Seventeenth Century
and
*HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present
OR
HIS 106 Western Culture: Science and Technology I
and
HIS 107 Western Culture: Science and Technology II
OR
*HIS 108 History of the United States Through 1876
and
*HIS 109 History of the United States Since 1877 ............ 6

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

Major Requirements

Primary Areas of Option

HIS 499 Senior Seminar for History Majors ................... 3

Major Core hours: .......................................................... 6

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 of European 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 ........................................................................... 24

From Outside the Major Department
Choose 15 hours outside History at the 300+ level, or 200+ level courses used to satisfy College requirements can also be counted here. Foreign language instruction courses may not be used to fulfill the related field requirement. Literature, civilization, and culture classes do count toward fulfilling this requirement .................................................................................. 15

Other Major hours: ......................................................... 39

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ......................................................... 7

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

*Course used towards completion of a UK Core Requirement.

Minor in History

A minor in History provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior, 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: HIS 104/105 A History of Europe through the Mid-Seventeenth Century
   /A History of Europe from the Mid-Seventeenth Century to the Present
   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 130.

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)
HIS 499 Senior Seminar for History Majors
(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
HIS 104 A History of Europe through the Mid-Seventeenth Century
and
*HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present
OR
HIS 106 Western Culture: Science and Technology I
and
HIS 107 Western Culture: Science and Technology II
OR
*HIS 108 History of the United States Through 1876
and
*HIS 109 History of the United States Since 1877 ............ 6

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

Major Requirements

Primary Areas of Option

HIS 301 History Workshop: Introduction to the Study of History ......................................................... 3

HIS 499 Senior Seminar for History Majors ................... 3

Major Core hours: .......................................................... 6

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 of European 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 ........................................................................... 24

From Outside the Major Department
Choose 15 hours outside History at the 300+ level, or 200+ level courses used to satisfy College requirements can also be counted here. Foreign language instruction courses may not be used to fulfill the related field requirement. Literature, civilization, and culture classes do count toward fulfilling this requirement .................................................................................. 15

Other Major hours: ......................................................... 39

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ......................................................... 7

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

*Course used towards completion of a UK Core Requirement.

Minor in History

A minor in History provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior, 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:
   HIS 104/105 A History of Europe through the Mid-Seventeenth Century
   /A History of Europe from the Mid-Seventeenth Century to the Present
   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.
**Graduation Composition and Communication Requirement (GCCR)**

**INT 495 Capstone Seminar for International Studies Majors**

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

**College Requirements**

1. Foreign Language (placement exam recommended, completed by Major Requirements) 0-14
2. Natural Science 6
3. Social Science (can be completed with Major Requirements) 6
4. Humanities (can be completed with Major Requirements) 6
5. Laboratory or Field Work 1
6. Electives 6

**Subtotal: College Hours:** 25-39

**Distribution Requirements**

1. 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**
- **ANT 225 Culture, Environment and Global Issues**
- **GEO 152 Regional Geography of the World**
- **GEO 160 Lands and Peoples of the Non-Western World**
- **GEO 161 Global Inequalities**
- **GEO 162 Introduction to Global Environmental Issues**
- **HIS 104 A History of Europe through the Mid-Seventeenth Century**
- **HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present**
- **PS 210 Introduction to Comparative Politics**
- **PS 230 Introduction to International Diplomacy**

**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)**
- **A-H 323 Medieval (Subtitle required)**
- **A-H 334 Reframing Renaissance Art**
- **AIS 228 Islamic Civilization**
- **AIS 330 Islamic Civilization II**
- **AIS 331 Classical Arabic Literature (in English)**
- **AIS 435 Topics in Islamic Studies (Subtitle required)**
- **CHI 320 Gender Politics in Chinese Literature**
- **CHI 321 Introduction to Contemporary Chinese Film**
- **CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840**
- **CLA 210 The Art of Greece and Rome**
- **CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great**
- **CLA 230 The Hellenistic World and Rome to the Death of Constantine**
- **CLA 261 Literary Masterpieces of Greece and Rome**
- **CLA 301 Latin Literature I (Subtitle required)**
- **CLA 302 Latin Literature II (Subtitle required)**
- **CLA 331 Gender and Sexuality in Antiquity**
- **CLA 382 Greek and Roman Religion**
- **CLA 390 Backgrounds to and Early History of Christianity to 150 CE**
- **CLA 391 Christians in the Roman Empire**
- **CLA 480Q Studies in Greek and Latin Literature (Subtitle required)**
- **CLA 524 The Latin Literature of the Republic (Subtitle required)**
- **CLA 525 The Latin Literature of the Empire (Subtitle required)**
- **CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)**
- **CLA 551 Greek Poetry and Drama (Subtitle required)**
- **CLA 555 Greek Prose (Subtitle required)**
- **ENG 241 Survey of British Literature I**
- **ENG 242 Survey of British Literature II**
- **ENG 274 Classics of Western Literature**
- **ENG 342 Shakespeare**
- **ENG 4400 Studies in British Literature (Subtitle required)**
- **FR 214 France Today**
- **FR 215 Visual Cultures**
- **FR 225 French Film Noir**
- **FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)**
- **FR 324 Studies in French Literature (Subtitle required)**
- **FR 325 French Cinema (Subtitle required)**
- **FR 504 Topics in French Literature and Culture (Subtitle required)**
- **GER 263 The German Cultural Tradition I**
- **GER 264 The German Cultural Tradition II**
- **GER 311 Introduction to German Literature: Themes (Subtitle required)**
- **GER 312 Introduction to German Literature: Popular Forms**
- **GER 317 History of German Culture**
- **GER 319 Contemporary German Literature and Culture**
- **GER 342 War, Peace, and Terror in Germany and Europe**
- **GER 361 German Cinema**
- **GER 363 Germanic Mythology**
- **GER 515 Studies in Major Authors**
- **GER 516 Studies in Genre**
- **GER 540 Multidisciplinary German Studies Seminar (Subtitle required)**
- **HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages**
- **HIS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present**
- **INT 350 Special Topics in International Studies (Subtitle required)**
- **INT 399 Internship in International Studies**
- **ITA 263 Studies in Italian Culture (Subtitle required)**
- **ITA 443G Survey of Italian Literature I**
- **JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868**
- **JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present**
- **JPN 421G Contemporary Literary and Visual Arts of Japan**
- **MCL 270 Introduction to Folklore and Mythology**
- **MUS 330 Music in the World (Subtitle required)**
- **PHI 504 Islamic and Jewish Philosophy and the Classical Tradition**
- **RUS 275 Russian Film**
- **RUS 370 Russian Folklore (in English)**
- **RUS 371 Russian Culture 900-1900**
- **RUS 372 Russian Culture 1900-Present**
- **RUS 380 Love and Death in 19th Century Russian Literature**
- **SPA 381 Writing, Revolution & Reaction in Modern Russian Literature**
- **SPA 312 Civilization of Spain**
- **SPA 314 Civilization of Spanish America**
- **SPA 315 Introduction to Hispanic Literature**
- **SPA 323 Introduction to Spanish Translation**
- **SPA 371 Latin American Cinema (Subtitle required)**
- **SPA 372 Spanish Cinema (Subtitle required)**
- **SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)**
- **SPA 423 Advanced Spanish Translation**
- **SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)**
- **SPA 434 Spanish Literature of the 20th Century**
- **SPA 438G Literature of Social Protest in Spain (Subtitle required)**
- **SPA 444 20th and 21st Century Spanish Studies (Subtitle required)**
- **SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)**
- **TA 386 World Theatre II**
- **TA 485 French Theatre: Culture, Text and Performance**

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

**Global Development**

The Global Development concentration focuses on social justice, sustainable economic development, public health, global interconnection, public service and managing global businesses.

**AEC 309 International Agricultural, World Food Needs and U.S. Trade in Agricultural Products**

**AEC 471 International Trade**
AEC 510 International Trade and Agricultural Marketing .................................................. 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 241 Origins of Old World Civilization .................................................. 3
ANT 242 Origins of New World Civilization .................................................. 3
ANT 245 Food Culture and Society ................................................... 3
ANT 324 Contemporary Latin American Cultures .................................................. 3
ANT 343 Social Organization ......................................................... 3
ANT 450 Symbols and Culture ......................................................... 3
CLA 509 Roman Law ................................................................. 3
*FR 350 Francophone Cultures (Subtitle required) .................................................. 3
GEO 255 Geography of the Global Economy .................................................. 3
GEO 260 Geographies of Development in the global South ........................................ 3
GEO 424G Political Geography ....................................................... 3
GER 342 War, Peace, and Terror in Germany and Europe ...................................... 3
GWS 250 Social Movements ......................................................... 3
HIS 561 Culture, Ideas, and Society in Latin America .................................................. 3
HIS 562 Modern Mexico ............................................................... 3
HIS 563 The History of Women in Latin America .................................................. 3
HIS 564 History of Brazil ............................................................... 3
^INT 350 Special Topics in International Studies (Subtitle required) ................................ 3
INT 399 Internship in International Studies .................................................. 3
JOU 319 World Media Systems ....................................................... 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
LAS 201 Introduction to Latin America ................................................... 3
*PS 391 Special Topics in Political Science (Subtitle required) ...................................... 3
*PS 410 Topics in Regional Politics (Subtitle required) .................................................. 3
PS 419G The Governments and Politics of Eastern Asia ........................................... 3
PS 420G Governments and Politics of South Asia .................................................. 3
PS 427G East European Politics ....................................................... 3
PS 428G Latin American Government and Politics .................................................. 3
PS 429G Government and Politics in Russia and the Post-Soviet States ................. 3
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
PS 538 Conflict and Cooperation in Latin American Relations ..................................... 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
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 440G 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 350 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 title for this course must directly relate to the Africa and the Middle East concentration. You must check with the IS director or advisor for verification prior to taking the course.

East, South, and Southeast Asia
A-H 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 440G 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 1840 ....................................... 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

Comparative Politics and Societies
The Comparative Politics and Societies concentration focuses on how states and institutions interact in a global environment. It studies international struggles for political, social, and economic equality and international efforts to guarantee human rights.

AEC 471 International Trade ....................................................... 3
AIS 338 Women and Islam ......................................................... 3
AIS 340 Fundamentalism and Reform in Islam .................................................. 3
* AIS 435 Topics in Islamic Studies (Subtitle required) ................................................. 3
ANTE 440 Introduction to the Quran .................................................... 3
ANT 241 Origins of Old World Civilization .................................................. 3
ANT 242 Origins of New World Civilization .................................................. 3

College of Arts and Sciences
University of Kentucky
2016-2017 Undergraduate Bulletin
### College of Arts and Sciences

**RUS 370 Russian Folklore (in English) …………. 3**

**RUS 371 Russian Culture 900-1900 …………… 3**

**RUS 372 Russian Culture 1900-Present ………… 3**

**RUS 380 Love and Death in 19th Century Russian Literature ………… 3**

**RUS 381 Writing, Revolution & Reaction in Modern Russian Literature …………. 3**

*The subtitle for this course must directly relate to the Russia and Eurasia 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 130-131.

**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 130 Introduction to Comparative Religion …………. 3
- ANT 160 Cultural Diversity in the Modern World …………. 3
- GEO 152 Regional Geography of the World …………. 3
- GEO 160 Lands and Peoples of the Non-Western World …………. 3
- HIS 104 A History of Europe through the Mid-Seventeenth Century …………. 3
- HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present …………. 3
- PS 210 Introduction to Comparative Politics …………. 3
- PS 230 Introduction to International Diplomacy …………. 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 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)

**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 332 Anthropology of the State …………. 3
- GEO 442G Political Geography …………. 3
- HIS 355 Topics in Non-Western History Since 1789 …………. 3
- HIS 574 The Diplomacy and Foreign Policy of the United States to 1919 …………. 3
- HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919 …………. 3
- PS 391 Special Topics in Political Science (Subtitle required) …………. 3
- PS 410 Topics in Regional Politics (Subtitle required) …………. 3
- PS 427G East European Politics …………. 3
- PS 430G The Conduct of American Foreign Relations …………. 3
- PS 431G National Security Policy …………. 3
- PS 433G Politics of International Economic Relations …………. 3
- PS 436G International Organization …………. 3
- PS 437G Dynamics of International Law …………. 3
- PS 439G Special Topics in International Relations (Subtitle required) …………. 3
- SOC 444 Topics in Political Sociology (Subtitle required) …………. 3

**Culture and the Arts**

The Culture and the Arts concentration focuses on forms of cultural expression and representation (performing arts, film, philosophy, literature, folklore and myth, visual arts) from comparative and global perspectives. The role of language and the evolution of cultural identity are also explored.

- A-H 308 Studies in African Arts (Subtitle required) …………. 3
- A-H 310 Asian Art and Culture (Subtitle required) …………. 3
- A-H 322 Medieval (Subtitle required) …………. 3
- A-H 334 Reformatting Renaissance Art (Subtitle required) …………. 3
- A-H 350 Contemporary Art and Visual Studies (Subtitle required) …………. 3
- A-H 527 Interdisciplinary Approaches (Subtitle required) …………. 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
- AIS 440 Introduction to the Quran …………. 3
- ANT 241 Origins of Old World Civilization …………. 3
- ANT 242 Origins of New World Civilization …………. 3
- ANT 302 Ethnographic Methods: Doing Anthropology …………. 3
- ANT 311 Anthropology of Globalization …………. 3
- ANT 320 Andean Civilization …………. 3
- ANT 322 Ancient Mexican Civilizations …………. 3
- ANT 324 Contemporary Latin American Cultures …………. 3
- ANT 326 People and Cultures of Sub-Saharan Africa …………. 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 515 Phonological Analysis …………. 3
- ANT 516 Grammatical Typology …………. 3
- ANT 532 Anthropology of the State …………. 3
- ANT 541 Archaeological Method and Theory …………. 3
- ANT 543 Cultural Resource Management …………. 3
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 ......................................................... 3
ANT 311 Anthropology of Globalization .................................................................................... 3
ANT 338 Economic Anthropology .......................................................................................... 3
ANT 340 Development and Change in the Third World ..................................................... 3

*ANT 350 Topics in Anthropology (Subtitle required) ......................................................... 3
*ANT 351 Special Topics in Archaeology (Subtitle required) .............................................. 3
*ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ............................... 3
*ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ....... 3

ANT 433 Social Organization ................................................................................................ 3
ANT 525 Applied Anthropology ............................................................................................ 3
ANT 532 Anthropology of the State ....................................................................................... 3
COM 462 Intercultural Communication .................................................................................. 3
*ECO 473G Economic Development ..................................................................................... 3
EPE 555 Comparative Education ........................................................................................... 3
GEO 222 Cities of the World .................................................................................................. 3
GEO 231 Environment and Development .............................................................................. 3
GEO 255 Geography of the Global Economy ....................................................................... 3
GEO 260 Geographies of Development in the Global South ............................................. 3
GEO 431 Political Ecology ..................................................................................................... 3
JPN 461G Japanese Colonialism and its Legacies .............................................................. 3

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .................................. 3
*PS 391 Special Topics in Political Science (Subtitle required) .............................................. 3
PS 433G Politics of International Economic Relations .......................................................... 3
PS 435G International Organization ..................................................................................... 3
SOC 308 Globalization: A Cross-Cultural Perspective .............................................................. 3
*SOC 435 Topics in Social Inequalities (Subtitle required) .................................................... 3

*SOC 444 Topics in Political Sociology (Subtitle required) .................................................... 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) ....... 3
SW 320 Global Poverty: Responses Across Cultures .............................................................. 3

*Course is from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.

International Commerce
The International Commerce concentration focuses on the issues of managing global businesses, such as the effects of differences in national requirements, cultural expectations, economic structures and governance.

AEC 309 International Agricultural, World Food Needs, and U.S. Trade in Agricultural Products ................................................................. 3
AEC 510 International Trade and Agricultural Marketing ....................................................... 3
*ECO 465G Comparative Economic Systems ........................................................................ 3
*ECO 471 International Trade .................................................................................................. 3
*ECO 473G Economic Development ...................................................................................... 3
*FIN 423 International Finance ................................................................................................ 3
FR 307 Foreign Business and Economics ............................................................................... 3
GEO 255 Geography of the Global Economy ....................................................................... 3
GEO 551 Japanese Multinational Corporations ..................................................................... 3
GER 310 German for International Business and Professions ............................................ 3
JPN 334 Environment, Society and Economy of Japan ....................................................... 3
MAT 470 International Merchandising .................................................................................. 3

*MG T 309 Introduction to International Business ................................................................. 3
*MKT 435 International Marketing .......................................................................................... 3
PS 433G Politics of International Economic Relations .......................................................... 3
SPA 302 Spanish for Business Professionals ......................................................................... 3

*Courses are from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.

Human Rights and Social Movements
The Human Rights and Social Movements concentration focuses on international struggles for political, social, and economic equality and international efforts to guarantee human rights by placing them into cross-cultural, interdisciplinary, and historical perspectives.

AIS 338 Women and Islam .................................................................................................... 3
AIS 340 Fundamentalism and Reform in Islam ..................................................................... 3
ANT 302 Ethnographic Methods: Doing Anthropology ....................................................... 3
ANT 311 Global Dreams and Local Realities in a “Flat” World ........................................... 3
ANT 340 Development and Change in the Third World ..................................................... 3
*ANT 350 Topics in Anthropology (Subtitle required) ......................................................... 3
*ANT 351 Special Topics in 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 401 Gender Roles in Cross-Cultural Perspective ............................................................ 3
ANT 429 Survey of Medical Anthropology ........................................................................... 3
ANT 433 Social Organization .................................................................................................. 3
ANT 435 Cultures and Politics of Reproduction ..................................................................... 3
ANT 440 Anthropological Perspectives on Child Growth .................................................... 3
CHI 320 Gender Politics in Chinese Literature .................................................................... 3
*FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ................................................................. 3
*FR 350 Francophone Cultures (Subtitle required) .............................................................. 3
*GER 352 German-Speaking Europe (Subtitle required) ...................................................... 3
*GER 356 French Language and Literature in Translation (Subtitle required) ....................... 3

*PS 391 Special Topics in Political Science (Subtitle required) .............................................. 3
GWS 320 Global Poverty: Responses Across Cultures .............................................................. 3

*IS 228 Islamic Civilization ..................................................................................................... 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 326 People and Cultures of Sub-Saharan Africa ............................................................ 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 354 Special Topics in Anthropology ............................................................................ 3

AIS 440 Introduction to the Quran .......................................................................................... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ................................................................. 3
FR 350 Francophone Cultures (Subtitle required) .............................................................. 3
GEO 328 Geography of the Middle East and North Africa .................................................. 3
GEO 336 Geography of Sub-Saharan Africa ......................................................................... 3
HIS 254 History of Colonial and Post-Colonial Africa ........................................................... 3

East, South, and Southeast Asia

A-H 310 Asian Art and Culture (Subtitle required) ............................................................... 3
*A-H 527 Interdisciplinary Approaches (Subtitle required) .................................................... 3
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 327 Culture and Societies of India and South Asia ........................................................... 3
*ANT 350 Topics in Anthropology (Subtitle required) ........................................................... 3

Africa and the Middle East

A-H 308 Studies in African Arts (Subtitle required) ............................................................... 3
*A-H 527 Interdisciplinary Approaches (Subtitle required) .................................................... 3
AIS 228 Islamic Civilization .................................................................................................... 3
AIS 330 Islamic Civilization II ................................................................................................. 3
AIS 331 Classical Arabic Literature (Subtitle required) ........................................................... 3
*AIS 435 Topics in Islamic Studies (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.

Area Concentrations
(12-15 credit hours in one theme and from at least two departments)
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 130.

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

II. Intellectual Inquiry in Arts and Creativity

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. Communication and Composition I

CIS-WRD 110 Composition and Communication I

VI. Communication and Composition II

CIS-WRD 111 Composition and Communication II

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list

X. Global Dynamics

Choose one course from approved list

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

LIN 222 Introduction to Linguistics II:

Language in Context

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) ............................................. 1

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

Major Core hours: ......................................................... 33

Other Course 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

Other Major hours: ..................................................... 15

Electives

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

Total Minimum Hours Required for Degree: 120

Bachelor of Science with a major in 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 130-131.

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 .............................................. 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 Course 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 .................. 12
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
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 Formal Semantics ......................................... 3
or
LIN 516 Grammatical Typology .................................. 3
Choose two other LIN courses at 300 level or above ...... 6

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 130.

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)

ECO 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
   c. Humanities .................................................. 6
III. Laboratory or Field Work ........................................... 1
IV. Electives .................................................................. 6

College Requirement hours: ........................................... 19-33

Premajor Requirements

*MA 113 Calculus I ......................................................... 4
MA 114 Calculus II .......................................................... 4

Premajor hours: .......................................................... 8

Major Requirements

Mathematics Core Requirements

MA 213 Calculus III .................................................... 4
MA 214 Calculus IV ........................................................ 3
MA 320 Introductory Probability ....................................... 3
MA 322 Matrix Algebra and its Applications ....................... 3

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

Economics Core Requirements

ECO 201 Principles of Economics I .................................. 3
ECO 202 Principles of Economics II ................................ 3
ECO 391 Economic and Business Statistics ......................... 3
ECO 401 Intermediate Microeconomic Theory .................... 3

Economics Core hours: ................................................ 9

Other Course Work Required for the Major

For the Mathematics Component:
Choose one of the following sequences: MA 416G and MA 471G, 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 296 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 .................................................. 12

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 130-131.

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)

ECO 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 ................................................. 3
   b. Social Science (completed by Major Requirements) ......................... 3
   c. Humanities .................................................. 3
III. Laboratory or Field Work ........................................... 1
IV. Electives .................................................................. 6

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

Premajor Requirements

*MA 113 Calculus I ......................................................... 4
MA 114 Calculus II .......................................................... 4

Premajor hours: .......................................................... 8

Major Requirements

Mathematics Core Requirements

MA 213 Calculus III .................................................... 4
MA 214 Calculus IV ........................................................ 3
MA 320 Introductory Probability ....................................... 3
MA 322 Matrix Algebra and its Applications ....................... 3

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

Economics Core Requirements

ECO 201 Principles of Economics I .................................. 3
ECO 202 Principles of Economics II ................................ 3
ECO 391 Economic and Business Statistics ......................... 3

Economics Core hours: ................................................ 9

Other Course Work Required for the Major

For the Mathematics Component:
Choose one of the following sequences: MA 416G and MA 471G, 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 296 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 .................................................. 12

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.

MATHEMATICS

The department offers two programs leading to the B.A. or B.S. degree. Students may major in mathematics by completing the requirements for either: Option A, Mathematics or Option B, Mathematical Sciences.

The mathematics option consists of courses offered solely by the department of mathematics and is intended for those who wish to follow a traditional mathematics career path. The mathematical sciences option consists of courses offered by the departments of computer science, mathematics and statistics, and is intended for those who opt for a career that requires the application of mathematics. The requirements for these programs are outlined below.

Bachelor of Arts with a major in MATHEMATICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 130.

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
MA 351, 352, 361, 362, 471G, CS/MA 416G and MA/STA 417G; at least two of the following sequences, or a substitute approved by the advisor to complete the UK Core requirements.

Other Course Work Required for the Major

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

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

Premajor hours: .............................................................. 11

Major Requirements

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. ................................. 18

From Outside the Major Department

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

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

Option B – Mathematical Sciences

Premajor Requirements

*MA 113 Calculus I

or

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

Premajors hours: .......................................................... 11

Major Requirements

MA 215 Introduction to Program Design, Abstraction and Problem Solving .............................................. 4

MA 213 Calculus III ....................................................... 4

MA 214 Calculus IV ........................................................ 3

MA/STA 320 Introductory Probability ............................ 3

MA/CS 321 Introduction to Numerical Methods .......... 3

MA 322 Matrix Algebra and its Applications ............... 3

MA 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

MA/STA 417G Decision Making Under Uncertainty 

Major Core hours: ......................................................... 29

Other Course Work Required for the Major

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

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 .................................................. 9

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 130-131.

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

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

VI. Composition and Communication

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

VII. Quantitative Foundations

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

or

MA 138 Calculus II with Life Science Applications ....... 4

CS 115 Introduction to Computer Programming .......... 3

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

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

Option B – Mathematical Sciences

Premajor Requirements

*MA 113 Calculus I

or

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

Premajors hours: .......................................................... 11

Major Requirements

MA 215 Introduction to Program Design, Abstraction and Problem Solving .............................................. 4

MA 213 Calculus III ....................................................... 4

MA 214 Calculus IV ........................................................ 3

MA/STA 320 Introductory Probability ............................ 3

MA/CS 321 Introduction to Numerical Methods .......... 3

MA 322 Matrix Algebra and its Applications ............... 3

MA 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

MA/STA 417G Decision Making Under Uncertainty 

Major Core hours: ......................................................... 29

Other Course Work Required for the Major

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

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 .................................................. 9

Other Major hours: ....................................................... 15

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.
College of Arts and Sciences

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 ........................................................... 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

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 .................................................. 18

From Outside the Major Department:

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

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

Option B - Mathematical Sciences

Premajor Requirements

*MA 113 Calculus I .......................................................... 4
or
*MA 137 Calculus I with Life Science Applications ........ 4
MA 114 Calculus II ........................................................... 4
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
CS/MA 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:

CS/MA 340 Applicable Algebra
and
CS/MA 415G Combinatorics and Graph Theory
and
MA 423G Methods of Applied Mathematics I
and
MA 433G Introduction to Complex Variables
and
MA 481G Differential Equations
and
MA 483G Introduction to Partial Differential Equations

MA/CS 416G Introduction to Optimization

Major Core hours: ......................................................... 29

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) ........................................... 6

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 ........................................... 9

Other Major hours: ...................................................... 15

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 0-9

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

*Course used towards completion of a UK Core Requirement.

Mathematics Cooperative Education

Qualified students who major in mathematics may participate in the Mathematical Sciences Cooperative Education Program which provides the opportunity for alternate semesters of academic study and full-time employment in business or industry. Guidelines and application forms are available in the Engineering/Math Sciences Co-Op Program Office, 320 Robotics Building.

Minor in Mathematics

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

1. MA 113/114 Calculus I and II and equivalent ........... 8
2. MA 213 Calculus III ......................................................... 4
3. MA 322 Matrix Algebra and Its Applications ........... 3
4. 3 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 about the four-week summer Leadership Training Course conducted each summer at Fort Knox, Kentucky. Successful completion of the camp enables students to take AMS 300-level courses and complete the program in two years.

In certain cases, veterans or students who have completed Army basic training are also eligible to complete the program in two years. Members of the Army National Guard or U.S. Army Reserve may also directly enroll in the Leadership Development Assessment Course and participate in the Simultaneous Membership Program (SMP).

The Basic Course: (100 and 200 level) are orientational and deal with the Army’s role in the U.S. government. American military history, small unit organizations/operations, military geography/map reading and some adventure training are also addressed. No military obligation is incurred by completion of the courses.

The Advanced Course: (300 level) focus on leadership, management, and command/staff responsibilities within military organizations. All upper division Army ROTC students receive up to $500 per month tax-free subsistence pay during the academic year. During the summer, students receive about $900 while attending Camp.

Leadership Lab periods, held weekly during the academic year, and on one Saturday per semester, focus on adventure-type training (e.g., orienteering, rappelling, survival training, and basic marksmanship). These activities are offered, subject to availability of equipment and facilities, to provide an opportunity to develop leadership, organizational abilities, and confidence.

Professional development and enrichment opportunities are also available through ROTC-sponsored university organizations—the Pershing Rifles and Kentucky Rangers.
Army ROTC incorporates the dimension of leadership into the academic curriculum and provides training and experience that can be valuable in any profession.

For more information, contact the Professor of Military Science, ATTN: Admissions Officer, U.S. Army ROTC, 101 Barker Hall, University of Kentucky, Lexington, KY 40506-0028; or call (859) 257-6865. 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 tracks in Arabic and Islamic Studies, Chinese Studies, Classics, Folklore and Mythology, French and Francophone Studies, German Studies, Hebrew and Jewish Studies, Italian Studies, Japan Studies, and 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 130.

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 of the following courses

AIS 320 Modern Arabic Literature and Film in Translation
AIS 330 Islamic Civilization II
AIS 340 Fundamentalism and Reform in Islam
AIS 345 Islamic Mysticism
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840
CHI 331 Introduction to Chinese Culture, 1840 to Present
FR 103 French Cinema
FR 205 The French Graphic Novel
FR 225 French Film Noir
GER 103 Fairy Tales in European Context
GER 105 German Film Today
MCL 100 The World of Language
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 200 Global Literacy
MCL 270 Introduction to Folklore and Mythology
RUS 275 Russian Film
RUS 371 Russian Culture 900-1900
RUS 372 Russian Culture 1900-Present or any area course .................................................. 3

III. Intellectual Inquiry in the Social Sciences

AIS 430 Islam in America
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 270 Introduction to Folklore and Mythology
RUS 370 Russian Folklore (in English) or any area course .................................................. 3

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

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

V. Composition and Communication I

CIS-WRDS 110 Composition and Communication I .......................... 3

VI. Composition and Communication II

CIS-WRDS 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 or any area course .................................................. 3

X. Global Dynamics

AIS 228 Islamic Civilization ............................................ 3
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 or any area course .................................................. 3

UK core hours: .......................................................... 30

Graduation Composition and Communication Requirement (GCCR)

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

College of Arts and Sciences

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 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 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 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 .......................................................... 3
CHI 495C Advanced Independent Work in Chinese .......... 1-3
CHI 511 Literary Chinese ................................................. 3
HIS 355 Topics in Non-Western History
Since 1789 .................................................................... 3
HIS 359 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 200
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
come 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: ............................................. 42

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
ENG 274 Classics of Western 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 Hellenistic 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 511 Barbarians ....................................................... 3
HIS 512 Carolingian Empire ......................................... 3
HIS 519 The Era of the Renaissance .............................. 3
HIS 540 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

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

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

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
or
FR 425 Media Studies .................................................. 3
FR 470G Topical Seminar I (Subtitle required) ............... 3
FR 471G Topical Seminar II (Subtitle required) .............. 3

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
other Study Abroad courses approved by the Director
of Undergraduate Studies .............................................. 1-3

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 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

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 / Japanese Studies

Track Requirements
JPN 320 Introduction to Japanese Culture,
Pre-Modern to 1685 .................................................. 3
JPN/ANT 321 Introduction to Japanese Culture,
Meiji (1868) to Present
or
JPN 351 The Japanese Experience
of the Twentieth Century
or
HIS 357 Japan at War, 1850 to the Present .................... 3
JPN 401 Advanced Japanese III .................................... 3
JPN 402 Advanced Japanese IV ..................................... 3

Track Electives
In addition, the student must complete 18 hours from the following courses. (Please note that courses listed above under Track Requirements and not used to satisfy the Track Requirements may be used to satisfy the Elective Requirements):

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

II. Intellectual Inquiry in the Humanities
Choose one of the following courses
AIS 320 Modern Arabic Literature and Film in Translation
AIS 330 Islamic Civilization II
AIS 340 Fundamentalism and Reform in Islam
AIS 345 Islamic Mysticism
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840
CHI 331 Introduction to Chinese Culture, 1840 to Present
FR 103 French Cinema
FR 205 The French Graphic Novel
FR 225 French Film Noir
GER 103 Fairy Tales in European Context
GER 105 German Film Today
MCL 100 The World of Language
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 200 Global Literacy
MCL 270 Introduction to Folklore and Mythology
RUS 275 Russian Film
RUS 371 Russian Culture 900-1900
RUS 372 Russian Culture 1900-Present
or any area course .............................................. 3

III. Intellectual Inquiry in the Natural Sciences
AIS 430 Islam in America
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 270 Introduction to Folklore and Mythology
RUS 370 Russian Folklore (in English)
or any area course .............................................. 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
or any area course .............................................. 3

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 1608
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
or any area course .............................................. 3

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

Graduation Composition and Communication Requirement (GCCR)
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone .............. 3

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
III. Humanities (completed by Major Requirements)
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 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 304 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 ........ 3-6

*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 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 ................................................ 3
- CHI 402 Advanced Chinese II ................................................. 3
- CHI 430 Popular Culture in Modern China ............................... 3
- CHI 450 Daoism .................................................................. 3
- CHI 495G Advanced Independent Work in Chinese .................................. 1-3
- 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 Chinese 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
*If topic is appropriate.

**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
  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 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 other Study Abroad courses approved by the Director of Undergraduate Studies ................................................. 1-3

**Total elective hours:** ............................................. 18

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

---

**MCL / German Studies**

**Track Requirements**
- GER 307 Intermediate German Composition and Conversation I 1
- 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 311 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
  or HIS 357 Japan at War, 1850 to the Present ........................ 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. (Please note that courses listed above under Track Requirements and not used to satisfy the Track Requirements may be used to satisfy the Elective Requirements):

JPN 283 Japanese Film ........................................... 3
JPN 400G Topics in Japanese 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 ................. 1-3
Track Requirement hours: ............................... 12
Track Electives
In addition, the student must complete 12 hours from the following courses:

RUS 275 Russian Film ........................................... 3
RUS 370 Russian Folklore (in English) .................... 3
RUS 401 Advanced Russian I .................................. 3
RUS 404 Advanced Russian II ................................ 3
RUS 410G Russian for Special Purposes
   (Subtitle required) ........................................... 3
RUS 525 Russian Literary Studies (Subtitle required) .. 3
RUS 535 Russian Visual Studies (Subtitle required) .... 3
RUS 545 Russian Cultural Studies (Subtitle required) .. 3
RUS 555 Topical Seminar on Russian Studies
   (Subtitle required) ........................................... 3
MCL 375 Language Study Abroad
   or MCL 376 Cultural Studies Abroad ................. 1-3
Track Requirement hours: ............................... 12

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 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 ................. 1-3
other Study Abroad courses approved by the Director
   of Undergraduate Studies ................................. 1-3

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

MCL / Russian Studies

Track Requirements
RUS 301 Conversation and Composition I ............ 3
RUS 302 Advanced Intermediate Russian II ........... 3
RUS 371 Russian Culture 900-1900 ....................... 3
RUS 372 Russian Culture 1900-Present .................. 3
Track Requirement hours: ............................... 12

Track Electives
In addition, students must complete 12 hours from the following courses:

RUS 275 Russian Film ........................................... 3
RUS 370 Russian Folklore (in English) .................... 3
RUS 401 Advanced Russian I .................................. 3
RUS 404 Advanced Russian II ................................ 3
RUS 410G Russian for Special Purposes
   (Subtitle required) ........................................... 3
RUS 525 Russian Literary Studies (Subtitle required) .. 3
RUS 535 Russian Visual Studies (Subtitle required) .... 3
RUS 545 Russian Cultural Studies (Subtitle required) .. 3
RUS 555 Topical Seminar on Russian Studies
   (Subtitle required) ........................................... 3
MCL 375 Language Study Abroad
   or MCL 376 Cultural Studies Abroad ................. 1-3

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

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

* 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
or FR 214 France Today ........................................ 3
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
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 / 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
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 / 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 .................. 4
AIS 102 Elementary Modern Standard Arabic .................. 4
AIS 201 Intermediate Modern Standard Arabic .................. 4
AIS 202 Intermediate Modern Standard Arabic .................. 4
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
or
MCL 376 Cultural Studies Abroad
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:
ITA 263 Studies in Italian Culture
(Subtitle required) ........................................... 3
ITA 300 Italian Conversation 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
or
MCL 376 Cultural Studies Abroad
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 Reenacting Renaissance Art ......................... 3
A-H 335 Early Modern Art and Visual Culture,
1400-1700 (Subtitle required) ................................ 3
CLA 100 Ancient Stories in Modern Films ..................... 3
CLA 135 Greek and Roman Mythology ...................... 3
CLA 191 Christianity, Culture, and Society:
A Historical Introduction ................................. 3
CLA 210 The Art of Greece and Rome ...................... 3
CLA/HIS 230 The Hellenistic World and Rome
of the Death of Constantine ............................. 3
CLA/HIS 391 Christians in the Roman Empire ............ 3
CLA/HIS 509 Roman Law .................................... 3
HIS 120 The World at War, 1939-45 ......................... 3
HIS 121 War and Society, 1914-1945 ......................... 3
HIS 502 A History of the Roman Republic ................. 3
HIS 503 A History of the Roman Empire ................. 3
HIS 519 The Era of the Renaissance ......................... 3
Total Elective hours ........................................ 12

MCL / Japanese Studies

Core Requirements
3 credit hours of Japanese language courses at the 300 level
6 hours of core cultural studies courses as follows:
JPN 320 Introduction to Japanese Culture,
Pre-Modern to 1868 ........................................ 3
and either
JPN/ANT 321 Introduction to Japanese Culture,
Meiji (1868) to Present .................................... 3
or
JPN 351 The Japanese Experience
of the Twentieth Century ............................... 3
Total Core hours ........................................... 9

Elective Requirements
In addition student must complete 9 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 491 Japanese Landscapes ...................... 3
GEO/JPN 551 Japanese Multicultural Corporations .... 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
At least 9 of the 12 credit hours must be in RUS or in Study
Abroad courses
Total Elective hours ........................................ 9

MCL / Russian Studies

Core Requirements
6 hours of Russian language courses at the 300 level or above
Total Core hours ........................................... 6

Elective Requirements
12 hours of additional course work taken from the following:
Russian Studies (RUS) courses
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
At least 9 of the 12 credit hours must be in RUS or in Study
Abroad courses
Total Elective hours ........................................ 9

Total Hours Required ........................................ 18

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 neuro-
science 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

<table>
<thead>
<tr>
<th>120 hours (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 130-131.</td>
</tr>
</tbody>
</table>

#### UK Core Requirements

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

**I. Intellectual Inquiry in Arts and Creativity**

1. Choose one course from approved list 3

**II. Intellectual Inquiry in the Humanities**

1. Choose one course from approved list 3

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

1. CHE 105 General College Chemistry I 4
2. CHE 111 Laboratory to Accompany General Chemistry I 1

**V. Composition and Communication I**

1. CIS/WRD 110 Composition and Communication I 3

**VI. Composition and Communication II**

1. CIS/WRD 111 Composition and Communication II 3

**VII. Quantitative Foundations**

1. MA 137 Calculus I with Life Science Applications 3
2. MA 113 Calculus I 4

**VIII. Statistical Inferential Reasoning**

1. STA 296 Statistical Methods and Motivations 3
2. PSY 215 Experimental Psychology 3
3. PSY 216 Applications of Statistics in Psychology 8

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

1. Choose one course from approved list 3

**X. Global Dynamics**

1. Choose one course from approved list 3

**UK Core hours: 33**

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

1. WRD 204 Technical Writing 3
2. 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

1. BIO 148 Introductory Biology I 3
2. BIO 152 Principles of Biology II 3
3. BIO 155 Laboratory for Introductory Biology I 1
4. CHE 105 General College Chemistry I 4
5. CHE 111 Laboratory to Accompany General Chemistry I 1
6. CHE 107 General College Chemistry II 3
7. CHE 113 Laboratory to Accompany General Chemistry II 2
8. MA 137 Calculus I With Life Science Applications 3
9. MA 113 Calculus I 3
10. PSY 100 Introduction to Psychology 4

**Premajor/Preprofessional Requirement hours: 25**

#### Program Core

1. BIO 302 Introduction to Neuroscience 3
2. BIO 305 Introduction to Neuroscience Techniques 4
3. *ANA 394 Independent Research in Neurobiology and Neuroscience 4
4. BIO 394 Research in Neuroscience 4
5. PSY 393 Research in Neuroscience 6
6. BIO 315 Introduction to Cell Biology 3
7. BCH 401G Fundamentals of Biochemistry 3
8. CHE 550/552 Biological Chemistry I/II 3
9. BIO 426 Neuroscience Seminar 1
10. CHE 230 Organic Chemistry I 3
11. CHE 231 Organic Chemistry Laboratory I 1
12. CHE 232 Organic Chemistry II 3
13. CHE 233 Organic Chemistry Laboratory II 1
14. PHY 211/213 General Physics 10
15. PHY 231/232 General University Physics 10
16. PHY 241/242 General University Physics Laboratory 10
17. **WRD 204 Technical Writing 3**

**Program Core hours: 38-41**

#### Guided Electives

Students will choose at least one course from each of the four thematic areas below. Some courses are listed in more than one area. However, the same course cannot be used to satisfy two thematic requirements.

**A. Cellular/Molecular**

1. ANA 442 Molecular and Cellular Neurobiology 3
2. CHE 556 Elements of Neurochemistry 3
3. *BIO 510 Recombinant DNA Techniques Laboratory 4

**B. Physiology**

1. BIO 446 Neurophysiology Laboratory 3
2. *BIO 535 Comparative Neurobiology and Behavior 3

**C. Neuroanatomy**

1. BIO 440 Comparative and Functional Anatomy 4
2. ANA 417G Functional Human Neuroanatomy 3
3. PSY 312 Brain and Behavior 3
4. ANA 209 Principles of Human Anatomy 3

**D. Integrated**

1. PSY 312 Brain and Behavior 3
2. BIO 375 Behavioral Ecology and Sociobiology 3
3. ANA 410G Neurobiology of Brain and Spinal Cord Disorders 3
4. *ANA 516 Selected Topics in Advanced Neuroscience 3
5. *BIO 507 Biology of Sleep and Circadian Rhythms 3
6. CGS 500 Cognitive Science in Theory and Practice 3
7. *CSD 571 Neural Bases of Speech, Language, and Hearing 3
8. PSY 459 Neuropsychopharmacology: Drugs and Behavior 3
9. BIO 447 Animal Senses 3
10. Other neuroscience-related courses at the 200-level or above, as approved by DUS in Neuroscience.

*Requires consent of instructor.

**Guided Elective hours:** 12-14

#### Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 6

**Total Minimum Hours Required for Degree:** 120

*Fulfills the Graduation Composition and Communication requirement.

### 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

<table>
<thead>
<tr>
<th>120 hours (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 130.</td>
</tr>
</tbody>
</table>

#### UK Core Requirements

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

**I. Intellectual Inquiry in Arts and Creativity**

1. Choose one course from approved list 3

**II. Intellectual Inquiry in the Humanities**

1. Choose one course from approved list 3

---

**University of Kentucky 2016-2017 Undergraduate Bulletin**

179
Bachelor of Science with a major in PHILOSOPHY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a PHI prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

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 the approved list

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

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

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

V. Composition and Communication I
Choose one course from the approved list

VI. Composition and Communication II
Choose one course from the approved list

VII. Quantitative Foundations
Choose one course from the approved list

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

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

X. Global Dynamics
Choose one course from the approved list

XI. Critical Thinking, Information Literacy, and Quantitative Reasoning
Choose one course from the approved list

XII. Communication and Information Literacy
Choose one course from the approved list

XIII. Life and Physical Sciences
Choose one course from the approved list

XIV. Advanced Writing and Effective Communication
Choose one course from the approved list

XV. Advanced Quantitative Reasoning
Choose one course from the approved list

XVI. Electives
Choose one course from the approved list

Electives

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

Total Minimum Hours Required for Degree: 120

Other Course Work Required for the Major

From the Major Department:

Choose 18 hours of PHI 300+ level courses with at least one course from each group below

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

Other course work required for the major from the groups listed above

From Outside the Major Department

Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses

Other Major hours: 36
**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/curla.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 130.

**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 US

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 (GCCCR)

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science (completed by Premajor Requirements) ................................................ 6
b. Social Science (completed by Premajor Requirements) ................................................ 6

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

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

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

Premajor Requirements

*PHY 231/232 General University Physics and Laboratory ........................................... 10
or with permission of the Director of Undergraduate Studies:

*PHY 211/213 General Physics ................................... (10)

PHY 228 Optics, Relativity and Thermal Physics .......... 3

CHE 105 General College Chemistry I ....................... 4

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

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

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

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

Major Requirements

Major Core Requirements

PHY 306 Theoretical Methods of Physics ................ 3

PHY 335 Data Analysis for Physicists ..................... 1

PHY 361 Principles of Modern Physics ..................... 3

PHY 435 Interim Physics Laboratory ...................... 3

MA 213 Calculus III .............................................. 4

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

Other Course Work Required for the Major

From Outside the Major Department

Choose 13-16 hours outside Physics at the 300+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here ............................................. 13-16

Other Major hours: .............................................. 13-16

Total Minimum Hours Required for Degree ................ 121

*Course used towards completion of a UK Core Requirement.
Bachelor of Science with a major in PHYSICS

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)
PHY 535 Advanced 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 Requirement) .... 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
*PHY 231/232/241/242 General University Physics and Laboratory ................................................................. 10
or with permission of the Director of Undergraduate Studies:
   *PHY 211/213 General Physics ............................................. (10)
   PHY 228 Optics, Relativity and Thermal Physics ............... 3
   CHE 105 General College Chemistry I ............................ 4
   CHE 107 General College Chemistry II ......................... 3
   *MA 113 Calculus I ......................................................... 4
   MA 114 Calculus II ......................................................... 4

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

Major Requirements
Major Core Requirements
PHY 306 Theoretical Methods of Physics .............................. 3
PHY 355 Data Analysis for Physicists ................................... 1
PHY 361 Principles of Modern Physics .................................. 3
PHY 404G Mechanics ....................................................... 3
PHY 416G/417G Electricity and Magnetism ...................... 6
PHY 520 Introduction to Quantum Mechanics I .................. 3
PHY 521 Introduction to Quantum Mechanics II .................. 3
PHY 355 Advanced Physics Laboratory .............................. 3
MA 213 Calculus III ....................................................... 4
MA 214 Calculus IV ....................................................... 3

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

*Suggested Curriculum for B.S. in Physics
(NOTE: Students who have completed calculus or chemistry should visit our Web site at: www.pa.uky.edu/undergrad/curricula.html for suggested curriculum.)
As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.S. in Physics.

Freshman Year

First Semester  Hours
MA 113 Calculus I ......................................................... 4
PHY 231 General University Physics .................................. 4
PHY 241 General University Physics Laboratory ................. 4
CHE 105 General College Chemistry I ............................ 4
CIS/WRD 110 Composition and Communication I ................ 3

Second Semester
MA 114 Calculus II ....................................................... 4
PHY 228 Optics, Relativity and Thermal Physics ............... 3
CHE 107 General College Chemistry II ........................... 3
*CS 115 Introduction to Computer Programming .................. 3
or Major Related Electives ............................................. 3
CIS/WRD 111 Composition and Communication II ................ 3

Sophomore Year

Junior Year

Senior Year

Second Semester
PHY 416G Electricity and Magnetism ................................ 3
Foreign Language ......................................................... 3
UK Core ................................................................. 3
Major Related Electives .................................................. 3
Elective ................................................................. 3

Minor in Physics

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

PHY 231 General University Physics and
PHY 241 General University Physics Laboratory OR
PHY 211 General Physics .................................................. 5
PHY 232 General University Physics and
PHY 242 General University Physics Laboratory OR
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; and
- 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 130.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (1) 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 230 Introduction to International Relations .......... 3

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

PS 101 American Government ................................. 3

X. Global Dynamics

PS 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 Requirements) .......

c. Humanities (choose 300+ level courses) ................... 6

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

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

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

Premajor/Introductory Requirements

Field One – American Politics

PS 101 American Government .................................. 3

Field Two – Comparative Politics

PS 210 Introduction to Comparative Politics ............... 3

Field Three – International Relations

*PS 230 Introduction to International Relations .............. 3

Field Four – Theory/Methodology

PS 240 Introduction to Political Theory or

or

PS 372 Introduction to Political Analysis ...................... 3

Premajor/Intro hours: ........................................... 12

Major/Core Requirements

After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

Disciplinary Courses

Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 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. 

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)

GEO – 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
GER 264, 317, 319
GWS 200, 350
HIS – all 200+ level courses
HJS 324, 325
HON – all 200+ level courses (except independent work)
HSM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
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 130-131.

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 230 Introduction to International Relations ............ 3

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

PS 101 American Government ...................................... 3

X. Global Dynamics

PS 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

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 230 Introduction to International Relations ............... 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 at least 15 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. 

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)

GEO – 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
GER 264, 317, 319
GWS 200, 350
HIS – all 200+ level courses
HJS 324, 325
HON – all 200+ level courses (except independent work)
HSM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
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
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 130.

**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 (completed by Advanced Lecture/Lab):

- 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; and to complete this requirement, consider PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone or PSY 393 or PSY 459 as electives) .......... 3

b. Social Science (completed by Premajor and Major Requirements)

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

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

ervention Requirement)

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

**College Requirement hours: ................. 15-29**

**Premajor Requirements**

*PSY 100 Introduction to Psychology .......................... 4

or *PSY 111 .......................................................... 3

PSY 195 Orientation to Psychology ............................. 1

*PSY 215 Experimental Psychology ............................ 4

**Premajor hours: .............................................. 8-9**

**Major Requirements**

Major Core Requirements

*PSY 216 Applications of Statistics in Psychology .......... 4

plus four of the following five courses:

- PSY 223 Developmental Psychology ........................ 3
- PSY 311 Learning and Cognition ................................ 3
- PSY 312 Brain and Behavior .................................... 3
- PSY 313 Personality and Individual Differences ............ 3

**Major Requirements hours: ....................... 16**

**Other Course Work Required for the Major**

From the Major Department:

**Advanced Lecture/Lab**

Choose from: PSY 427, 430, 440, 450, 456, 460, 552

**Capstone Option**

Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, 565, 566

**Electives**

Choose from: PSY 302, 320, 331, 333, 339, 394, 395, 399, 1459, 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.

**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 393, PSY 456, PSY 459, 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 130-131.

**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 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**

Choose from: PSY 427, 430, 440, 450, 456, 460, 552

**Capstone Option**

Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, 565, 566

**Electives**

Choose from: PSY 302, 320, 331, 333, 339, 394, 395, 399, 1459, 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.
College of Arts and Sciences

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 (completed by Advanced Lecture/ Lab):
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 (completed by PST 312) .....................
   b. Social Science (completed by Premajor Requirement) ....
   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 111 ................................................................. 3
PSY 195 Orientation to Psychology ........................................... 1
*PSY 215 Experimental Psychology ........................................ 4

Premajor hours: ......................................................... 8-9

Major Requirements
Major Core Courses
*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: ......................................................... 18-32

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 493 and 496, 499, 500, 534, 535, 561, 562, 563, 564, 1565, 558

Electives ..................................................................... 0-5
Choose from: PSY 302, 320, 331, 333, †393, 394, 395, 399, †459, 558

From Outside the Major Department
Choose 14 hours outside Psychology at the 300+ level. 200+ level course used to satisfy College requirements can also be counted here ..................................................... 14

Other Major hours: .......................................................... 26

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

*Course used towards completion of UK Core Requirement.
†Course used towards completion of the College 60-hour requirement.
††Course used toward 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 ...................................... 3-4
PSY 215 Experimental Psychology ........................................ 4

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 hour: ................................................................. 8-9

SOCIETY

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

SOCIETY

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 130.

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

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 (completed by Major Requirement)
   IV. Electives .................................................................. 6

College Requirement hours: ..................................................... 18-32
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 130-131.

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: ........................................................................... 9-10

Graduation Composition and Communication Requirement (GCCR)
SOC 302 Sociological Research Methods ........................................... 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 and Major Requirements) ...... 3
c. Humanities ................................................................................. 3
III. Laboratory or Field Work (completed by Major Requirement) ............
IV. Electives
College Requirement hours: ......................................................... 12-26

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 the 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 .................................................. 9

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

*Course used towards completion of a UK Core Requirement.

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

Preminor hours: ............................................................................... 6

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

STATISTICS

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics. The department does not offer an undergraduate degree, but students may elect to include statistics as part of a topical major or to minor in statistics. The program in mathematical sciences also includes several statistics courses. The Mas-
Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 16 hours of course work is required to complete the minor, as follows:

Complete one of the following:

- STA 291 Statistical Methods
- STA 296 Statistical Methods and Motivations
- STA 321 Basic Statistical Theory I
- STA 525 Introductory Statistical Inference

Complete one of the following:

- STA 281 Probability and Statistics
- Using Interactive Computer Techniques
- STA 320 Introductory Probability
- STA 524 Probability

plus

- STA 570 Basic Statistical Analysis

Complete one additional STA course approved by the Director of Undergraduate Studies.

Complete one course from the student’s area approved by the Director of Undergraduate Studies.

Total Hours: 16-18

WRITING, RHETORIC, AND DIGITAL STUDIES

The major in 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. For 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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list

II. Intellectual Inquiry in the Humanities

Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list

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

Choose one course from approved list

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list

X. Global Dynamics

Choose one course from approved list

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

WRD 430 Advanced Workshop (Subtitle required)

Graduation Composition and Communication Requirement hours (GCCR): 3

College Requirements

I. Foreign Language

II. Disciplinary Requirements

a. Natural Science
b. Social Science
c. Humanities

III. Laboratory or Field Work

IV. Electives

College Requirement hours: 3

Electives

Free Electives

Elective hours: 6

Total Minimum Hours 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 130-131.

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: .......................................................... 3

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 440G Studies in American Literature (Subtitle required) .......................................................... 3
ENG 440G 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

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

Minor in Writing, Rhetoric, and Digital Studies

The minor in Writing, Rhetoric, and Digital Studies requires 18 hours as follows:

Prerequisite
Complete the Composition and Communication Core requirement: either WRD/CIS 110 and WRD/CIS 111; or WRD/CIS 112.

Minor Requirements
WRD 300 Introduction to Writing, Rhetoric, and Digital Studies .......................................................... 3
plus 15 hours of additional WRD courses, 9 of which must be at the 300 and 400 level .......................................................... 15

Minor in Professional and Technical Writing

The minor in Professional and Technical Writing requires 18 hours of course work to include:

Minor Prerequisites
Students must fulfill the Composition and Communication Core requirement:
WRD/CIS 110 Composition and Communication I .......................................................... 3
WRD/CIS 111 Composition and Communication II .......................................................... 3

Minor Requirements
WRD 204 Technical Writing .......................................................... 3
WRD 300 Introduction to Writing, Rhetoric, and Digital Studies .......................................................... 3
WRD 306 Introduction to Professionals in Writing .......................................................... 3
WRD 406 Topics in Professional Writing (Subtitle required) .......................................................... 3

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 304 Writing in the Social Sciences .......................................................... 3
WRD 322 Rhetoric and Argument .......................................................... 3
WRD 405 Editing English Prose .......................................................... 3
WRD 408 Digital Composing .......................................................... 3

Bachelor of Liberal Studies

NOTE: At the time of publication, the Bachelor of Liberal Studies had been approved by the Board of Trustees. The program is awaiting final approval from the Council on Postsecondary Education.

A Bachelor of Liberal Studies degree allows students to design individualized programs of study in the humanities, social sciences, and natural and mathematical sciences; to develop a breadth of knowledge reflective of a true liberal arts education; to develop critical thinking and writing skills; and to apply problem-solving strategies. By taking an interdisciplinary perspective, students will learn to integrate and synthesize a breadth of knowledge across disciplinary boundaries, and apply that knowledge to a diverse, multicultural society. Students will learn to work effectively to solve complex problems using solid research methodologies and ethics, and to communicate effectively in both written and oral formats. To graduate with a BLS degree, students will complete numerous upper-division courses, complete a capstone writing course in which they synthesize and evaluate their previous coursework, and submit a final portfolio of previous work.
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
   - AAS/ENG 264 Introduction to Black Writers
   - AAS/PS 471 Race, Ethnicity and Politics
   - AAS/GEO 336 Geography of Sub-Saharan Africa
   - AAS/FR 504 Topics in French Literature and Culture
5. a. At least 6 hours in the social sciences (as approved by the African American Studies Committee). Among these are:
   - AAS/ANT 326 People and Cultures of Sub-Saharan Africa
   - AAS/EDC 550 Education in a Culturally Diverse Society
   - AAS/ENG 310, ENG 480G
   - AAS/HIS 260 African American History to 1865
   - AAS/HIS 265 African American History to 1865
   - AAS/HIS 350 Historical Perspectives (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://aaas.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 480G
   - Geography: GEO 320, GEO 321, GEO 322, GEO 490G
   - History: HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 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/

Appalachian Studies

This minor offers the student with serious interests in Appalachian regional studies an opportunity to pursue a minor concentration to complement a major in one of the university’s professional or liberal arts programs. This interdisciplinary program enables students to comprehend more fully the history, health, social structure, environment, and culture of the region – its people, its challenges, and its future.

The minor in Appalachian Studies requires 18 hours of course work to include the following:

1. APP 200 Introduction to Appalachian Studies
2. Choose 15 hours of Appalachian Studies courses. These courses must be chosen from the list below, or current courses listed on the Web site approved by the Director of Appalachian Studies:
   - APP 300 Topics in Appalachian Studies (Subtitle required)
   - APP 395 Independent Study
   - APP 399 Practicum
   - GEO 365 Special Topics in Regional Geography (Subtitle required) (if appropriate)
   - HIS 579 History of the New South
   - HIS 580 History of Appalachia

MUS 301 Appalachian Music
PS 456G Appalachian Politics
SOC 343 Political Sociology (if appropriate)
SOC 534 Sociology of Appalachia
SOC 755 Topics Seminar in Social Inequalities (if appropriate)

Note: Introduction to Appalachian Studies (APP 200) is strongly recommended. Individually arranged courses in independent study and experiential education may be counted toward the minor if approved by the Appalachian Studies Program Director. Special Topics courses offered by the various departments may also be counted, if appropriate.

For more information, contact: Appalachian Studies Director Shauna Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwell Court, 0347, (859) 257-6882.
http://apppalachiocenter.as.uky.edu/

For a current listing of courses and further information, visit: http://apppalachiocenter.as.uky.edu/appalachian-studies/
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:

- ENVS 201 Environmental and Sustainability Studies I: Humanities and Social Sciences .......... 3
- ENVS 202 Environmental and Sustainability Studies II: Natural Science and Policy ............. 3
- PHIL 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, or 1457 Patterson Office Tower [phone number].

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
  - ANT 327 South Asia
  - GEO 330 Geography of the Indian Subcontinent
  - GEO 365 Special Topics in Regional Geography
- plus 3 credit hours from either of the courses:
  - 6953; 1457 Patterson Office Tower [office number] (Subtitle required) ...

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
   - HJS 330 A History of Western Religious Thought (1) .......... 3
   - HJS 333 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 [office number].

http://mcl.as.uky.edu/jewish-studies
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 Requirement**

1. LAS 201 Introduction to Latin America ............... 3

**Minor Requirements**

Complete 3 credit hours of language instruction in Spanish, Portuguese, or French (above the 200 level) or an indigenous language spoken in Latin America; and complete 12 credit hours of approved courses across at least three of the following disciplines: anthropology, Hispanic studies, history, Latin American studies, linguistics, geography, political science, sociology, and writing, rhetoric, and digital studies. All courses need to have at least 75 percent Latin American, Caribbean, or Latino content. Other courses, including independent studies and education abroad courses, may be counted with the approval from the LACLAS Director.

List of approved courses usually taught by affiliate faculty:

- ANT 320 Andean Civilization .................................. 3
- ANT 322 Ancient Mexican Civilizations .................... 3
- ANT 324 Contemporary Latin American Cultures .......... 3
- ANG 328 The Ancient Maya .................................... 3
- GEO 324 Geography of Central and South America and the Caribbean .............................................. 3
- HIS 206 History of Colonial Latin America, 1492 to 1810 .................................................. 3
- HIS 207 History of Modern Latin America, 1810 to Present .................................................. 3
- HIS 208 History of the Atlantic World ........................ 3
- HIS 562 Modern Mexico ......................................... 3
- HIS 563 The History of Women in Latin America ........ 3
- HIS 564 History of Brazil ........................................ 3
- LAS 395 Independent Work in Latin American Studies ........................................... 3
- PS 428G Latin American Government and Politics ........ 3
- PS 538 Conflict and Cooperation in Latin American Relations ........................................... 3
- *SOC 350 Topics in Sociology (Subtitle required) .......... 3
- *SOC 432 Race and Ethnic Relations .................................. 3
- SPA 314 Civilization of Spanish America .................. 3
- SPA 322 Literature, Life and Thought of Spanish America ........................................... 3
- SPA 332 Spanish and Latin American Business Environments ........................................... 3
- SPA 438G Literature of Social Protest in Spanish America ........................................... 3
- *SPA 474 Topics in Hispanic Studies (Subtitle required) .................................. 3

*Course subtitle must focus on Latin American, Caribbean and/or Latino studies.

For more information, consult the Director of Latin American Studies.  
http://lacls.as.uky.edu/

**UNDERGRADUATE CERTIFICATES**

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

- Appalachian Studies
- Peace Studies

**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.

### Appalachian Studies Curriculum

The Certificate in Appalachian Studies curricula 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.
- No more than 9 credits taken for a certificate can be used to satisfy the requirements for the student’s bachelor’s degree, a minor, or another certificate, exclusive of free or unrestricted electives.

### 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 participatory 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 together 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 .................................................. 3
- 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.
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.