College of Arts and Sciences

Mark Lawrence Kornbluh, Ph.D., is Dean of the College of Arts and Sciences; Anna Bosch, Ph.D., is Associate Dean for Undergraduate Programs; Elizabeth Lorch, Ph.D., is Associate Dean for Research and Graduate Studies; Theodore Schatzki, Ph.D., is Senior Associate Dean of Faculty; Adrienne McMahan, M.S., is Assistant Dean for Undergraduate Affairs; Gregory Bocchino, Ed.D., is Director of Student Services; Jason Pieratt, M.S., is Director of Strategic Intelligence; Kirsten Turner, Ph.D., is Assistant Dean for Academic Planning and Chief of Staff.

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

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

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

Undergraduate Programs in Arts and Sciences

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

• Bachelor of Arts
• Bachelor of Science

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

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

ADMISSION

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

PROGRAMS AND SERVICES

Academic Advising

Academic advising in the College of Arts and Sciences is provided by professional advisors, 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 Arts and Sciences students have an advising hold placed on their record requiring the student to meet with their A&S academic advisor prior to registration each semester. Arts and Sciences students should schedule an advising appointment at: myuk.uky.edu/irj/portal—select myInfo and myAppointments.

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

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

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

Dean’s List

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

Commencement and Departmental Honors

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

Departments in the College of Arts & Sciences award departmental honors to their outstanding graduates. The standards for departmental honors are not collectively established by the College, but determined by each department. For details on departmental honors, see Guide to A&S Departmental Honors Requirements on page 118. 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.

College Policy on Learning Disabilities

The College of Arts and Sciences anticipates that virtually all of its students will satisfy all of its requirements. However, any student who believes that he or she can show evidence – by diagnostic testing and/or psychological evaluation – that he or she has a learning disability which warrants course substitution of any specific college requirement may request such an exception from the Director of Student Services in the College. Students should begin their inquiries and/or discussions in the UK Disability Resource Center, 102 Alumni Gym.
# Guide to A&S Departmental Honors Requirements

<table>
<thead>
<tr>
<th>Major</th>
<th>Cumulative GPA</th>
<th>Criteria</th>
</tr>
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<tbody>
<tr>
<td>Anthropology</td>
<td>3.5</td>
<td>The Honors Program in Anthropology is a research-intensive experience in which students work closely with a faculty mentor. Requirements are: (1) Departmental GPA of 3.5 or better. (2) One upper-division course (300+) in each of the three subdisciplines represented in the department (archaeology, biological anthropology and cultural anthropology). (3) One 600 or 700 level graduate seminar (requires approval of course instructor). (4) Research component designed by the student and faculty mentor.</td>
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<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>
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<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>
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<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>
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<tr>
<td>Classics</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</td>
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<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>
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<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>
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<tr>
<td>French</td>
<td>3.5</td>
<td>3.5 cumulative GPA and a major GPA of 3.75 or above.</td>
</tr>
<tr>
<td>Geography</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>German</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.75 or above.</td>
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<tr>
<td>Hispanic Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in 300-500 level Spanish courses.</td>
</tr>
<tr>
<td>History</td>
<td>3.5</td>
<td>minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of A or B in HIS 499.</td>
</tr>
<tr>
<td>International Studies</td>
<td>3.5</td>
<td>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>
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<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>
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<tr>
<td>Mathematical Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA or above and 3.2 major GPA or above.</td>
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<tr>
<td>Mathematics</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above.</td>
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<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>
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<tr>
<td>Physics</td>
<td>3.4</td>
<td>3.4 cumulative GPA or above and 3.4 major GPA or above in physics and astronomy. All students awarded department honors will have fully participated in independent study or research including the preparation of a final report; participation with a high grade in a three-credit-hour PHY 395 or participation in a summer research experience are ways of achieving this. Other factors such as citizenship, leadership in the Society of Physics Students, and other meritorious activity will be considered in the selection of seniors for graduation with honors.</td>
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<tr>
<td>Political Science</td>
<td>3.5</td>
<td>1) 3.5 cumulative GPA. (2) At least six hours of “H”onors credit in Political Science course work, usually taken in special sections of the introductory lecture courses. (3) At least a B grade in PS 372, which should be taken no later than the second semester of the junior year. And (4) A qualifying honors thesis submitted to the Director of Undergraduate Studies no later than midterm of the semester in which the student intends to graduate. Students normally fulfill the thesis requirement by taking PS 490, Honors in Political Science, offered during the fall semester. Should that option be unavailable, however, students might be able to arrange writing a thesis under faculty guidance as part of PS 395, the department’s Independent Study course.</td>
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<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>
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</table>
Readmission After a Two-Year Absence

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

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

ACADEMIC SUSPENSION AND REINSTATEMENT

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

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

THE BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREE

Students must complete four areas of requirements to obtain a B.A. and B.S. in 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 Director of Student Services for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.
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.

College Requirements for a Bachelor of Science Degree

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

To receive the Bachelor of Science degree, students must:
1. Complete the UK Core requirements.
2. Complete the following college requirements:
   a. Foreign Language Requirement. Students must complete all premajor courses).
   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 Director of Student Services for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.
   b. Students must take 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.

NOTES

See College Core Requirements for B.A. and B.S. Degree following the next section.
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 Director of Student Services for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.

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

b. 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.7

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.5

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 pre-major 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/ISH 320 is not included in this 16 hour limit.

d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See Experiential Education and Internship Course section within the Arts and Sciences section of the Bulletin.

e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.

f. Courses transferred from other institutions and judged by the Director of Student Services to be equivalent or comparable to Arts and Sciences courses are acceptable.

g. Usually the College will apply only six hours of technical course work taken at any institution.

h. The student is permitted to elect and count toward graduation courses in other colleges within the University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Director of Undergraduate Studies/Program Director and the Director of Student Services.

i. Courses with an “S” grade designation or a “place holder” designation such as ESP (Study Abroad, 1 credit hour) or NSE (National Student Exchange, 1 credit hour) cannot be counted as credit toward a bachelor’s degree.

3. Courses classified as Arts and Sciences courses for purposes of the 90-hour requirement include all courses offered by the College of Arts and Sciences; all art history courses; all courses in music and theatre appreciation and ART 100 plus the history of music and theatre; ARC 820, ARC 822; 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, 233 and ARC 820 and 822 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 800-899 cannot be counted as 300-level and above for the purpose of completing the 39 hours needed for the degree, with the exception of ARC 820 and 822.

5. The following courses will count 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; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; NFS/DIN 101, PHI 120 and PHI 320; PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565; and ANT 230, 332, and 333.

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

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

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

Natural Sciences

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

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

ANA 209
ANT 230, 332, 333, 335
CGS 500
ENS 200, 400
ENT 110, 300
GEO 130, 135, 230, 351, 451G, 530
NFS/DIN 101
PSY 206
PLS 104
PSY 312, 456, 565

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

Social Sciences

1. All courses offered by Arts and Sciences departments or programs within the disciplines of the social sciences including courses with the following departmental 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/ENG/LIN 515
ANT/ENG/LIN 516
ANT/LIN 519
ANT/JPN 321
CGS 500
ENS 200, 400
GEO/JPN 334
GEO/JPN 551
The following courses may NOT be used in the social sciences area: GWS 201.

Humanities
1. Excluding the courses listed below, all courses offered by Arts and Sciences departments or programs within the disciplines of the humanities, including courses with the following prefixes: A-H, AAS, CLA, ENG, FR, GER, HIS, JPN, LAS, LIN, 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, 102, 201, 202
   - CLA 101, 102, 131, 151, 152, 201, 202, 251, 252
   - FR 011, 101, 102, 106, 201, 202, 203, 204, 307, 310, 507, 516, 553, 570
   - GER 011, 101, 102, 201, 202, 205, 206, 211, 212, 307, 308, 310, 507, 533, 612
   - HIS 101, 102, 201, 202
   - ITA 101, 201, 202
   - JPN 101, 102, 201, 202, 203, 301, 302, 401, 402, JPN/ GEO 334, JPN/GEO 551
   - LIN 520, 521
   - PHI 120, 320
   - PS 417G, 471
   - RUS 101, 102, 103, 105, 107, 112, 113, 201, 202, 203, 205, 210, 211, 215, 302, 313, 413, 501, 506, 553
   - WRD 203, 204

3. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of humanities:
   - AMS 201
   - ANT 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 which includes some laboratory or field experience. In such courses the external world is observed in a controlled manner using systematic techniques and methods. A substantial portion of the course must include data collection, data analysis, and hypothetical testing under supervised conditions. The approved courses for the laboratory requirement are:

Natural Sciences
- Biology – BIO 111, 151, 153, 209
- Chemistry – CHE 106, 111, 113
- Earth and Environmental Sciences – GLY/EES 111, 115, 160, 220
- Physics – PHY 211, 213, 241, 242

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

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

MAJOR REQUIREMENTS
A major 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.uen.edu/irj/portal.

Aside from any exceptions explicitly approved by the Arts and Sciences Educational Policy Committee and the Undergraduate Council, however, major requirements must conform to the following restrictions:

1. A total of 39 credits is required in the major requirements.
2. Courses electively taken pass-fail will not count toward UK Core, major/minor, or College requirements.
3. At least 24 credits must be in courses at the 300 level or above.
4. A minimum of 18 credits in a department, taken at the 200 level or above, is required for a major.
5. An overall grade-point average of at least 2.0 in all courses listed for the major requirements, including all premajor courses. This includes all grade attempts except those used for which repeat options or academic bankruptcy has been approved.

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

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

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

Topical Studies is the only selective admission program in the College of Arts and Sciences. The student must have a cumulative UK grade-point standing of at least 2.5 to be accepted to Topical Studies. The specific requirements of the topical studies major are that the student must meet UK Core and College requirements, must enroll in and complete at least 30 credit hours after formal admission, and complete the 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
- Chinese language and literature
- classics
- economics
- English
- folklore and mythology
- French
- gender and women’s studies
- geography
- geology
- German
- history
- international studies
- Islamic studies
- Japan studies
- linguistics
- mathematics
- neuroscience
- philosophy
- physics
- political science
- psychology
- Russian
- sociology
- Spanish
- statistics

Interdisciplinary minors are also available in:

- African American studies
- American studies
- Appalachian studies
- cognitive science
- environmental studies
- Indian culture
- 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 six hours of technical course work taken at any accredited institution including KCTCS. Beyond these six credit hours, courses will be evaluated on an individual basis and as it applies to the student’s baccalaureate degree program.

Independent Work Courses

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

Experiential Education and Internship Courses

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

ROTC Program

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

AEROSPACE STUDIES

(Air Force ROTC)

The Department of Aerospace Studies provides a campus education program through which qualified students can simultaneously earn an Air Force commission and a college degree. Faculty members are experienced, active duty Air Force officers with advanced degree.

Admission to the Program

Non-scholarship freshmen and sophomores may register for Air Force Studies (AFS) courses without incurring a military commitment. Students with a minimum of five semesters of school remaining in a graduate or undergraduate status may qualify for Air Force ROTC. For more information, call (859) 257-7115.

Requirements

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

**AFROTC Curriculum**

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

In the GMC, there are four academic classes (AFS 111, AFS 113, AFS 211, and AFS 213). These cover two main themes—the development of air power and the contemporary Air Force in the context of the U.S. military organization. The GMC academic classes are open to any student. In the POC, there are four academic classes (AFS 311, AFS 313, AFS 411, and AFS 413). These cover Air Force management and leadership and national security studies. Entry into the POC is competitive and is based on Air Force Officer Qualifying Test scores, grade-point average, and evaluation by the AFROTC Detachment Commander. Only physically qualified students in good academic standing may compete for entry into the POC. Typically, these courses are for those cadets who have already completed the courses in the GMC.

Students enrolled as cadets are involved once a week in a one-credit-hour course in the cadet corps training program designed to simulate a typical Air Force organization and its associated functions. This course is known as Leadership Laboratory. During a student’s GMC program, he or she will register for AFS 112, AFS 114, AFS 212 and AFS 214 respectively. A POC cadet will attend AFS 312, AFS 314, AFS 412 and AFS 414. The leadership laboratories are largely cadet-planned and conducted under the concept that they provide leadership training experiences that will improve the cadets’ capabilities as Air Force officers. This also involves three hours of physical training each week. Leadership laboratory is open to students who are members of the Air Force Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Air Force ROTC Detachment Commander.

**Field Training**

Field training is offered at Maxwell Air Force Base in Alabama. Students receive officer training and leadership development with other students. Simultaneously, the Air Force has an opportunity to evaluate each student as a potential member of its officer corps. Field training courses include cadet orientation, survival training, officer training, aircraft and aircrew orientation, physical training, organizational and functional aspects of an Air Force base, career orientation, small arms familiarization, first aid, and other supplemental training. Students are paid for their time at field training.

**Scholarships**

Students interested in AFROTC scholarships should refer to the Student Financial Aid, Awards, and Benefits section of this Bulletin or call (859) 257-7115. Information is subject to change.

**ANTHROPOLOGY**

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

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

Students can major or minor in anthropology. The major is structured to provide the student with a broad overview of the major 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/](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 119.

**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

**ANT 102 Archaeology: Mysteries and Controversies**

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

ANT 221 Native People of North America or One course from approved list .................................................. 3

**X. Global Dynamics**

One of the following:

ANT 160 Cultural Diversity in the Modern World

ANT 222 Middle East Cultures

ANT 225 Culture, Environment and Global Issues

ANT 242 Origins of New World Civilization

ANT 311 Global Dreams and Local Realities in a “Flat” World

ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present

ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change

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

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

**Graduation Writing Requirement**

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

**Graduation Writing Requirement Hours: .................................................. 3**

**College Requirements**

I. Foreign Language

Placement in approved list based on placement exam recommended .................................................. 0-14

**II. Disciplinary Requirements**

a. Natural Science (partially completed by Premajor Requirements) .................................................. 3

b. Social Science (completed by Premajor Requirements) .................................................. 3

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

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

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

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

**Premajor Requirements**

ANT 220 Introduction to Cultural Anthropology .................................................. 3

ANT 340 Introduction to Biological Anthropology .................................................. 3

ANT 240 Introduction to Anthropology .................................................. 3

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

**Major Requirements**

Course Work Required for the Major From the Major Department:

**Regional Focus** .................................................. 6

Choose two courses from the following: ANT 221*, 241, 242*, 320, 322, 324, 326, 327, 342, 534, 555.

**Subdisciplinary Breadth** .................................................. 9

Choose three courses from at least two of the following subdisciplines:

1. **Archaeology**

   ANT 241, 242*, 320, 322, 342, 541, 545, 555 and 585
College of Arts and Sciences

2. Cultural Anthropology
ANT 338, 401, 429, 433, 450, 525, 526 and 532

3. Physical Anthropology
ANT 332, 333

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

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

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

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

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

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

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

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in ANTHROPOLONY

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 page 119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .......... 3

College Requirements

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

II. Disciplinary Requirements
a. Natural Science (completed by Premajor Requirement)

b. Social Science (completed by Premajor Requirement)

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

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

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

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

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

Premajor Hours: ........................................... 9

Major Requirements
Course Work Required for the Major
From the Major Department:
Regional Focus ............................................. 6
Choose two courses from the following: ANT 221*, 241, 242*, 320, 322, 324, 326, 327, 342, 534, 555.

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

1. Archaeology
ANT 241, 242*, 320, 322, 342, 541, 545, 555 and 585

2. Cultural Anthropology
ANT 338, 401, 429, 433, 450, 525, 526 and 532

3. Physical Anthropology
ANT 332, 333

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

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

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

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

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

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

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

*Course used towards completion of a UK Core Requirement.

Minor in Anthropology
Students must complete a total of 21 hours of course work:

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 119.

**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 With Life Science Applications
or MA 113 Calculus I
or MA 123 Elementary Calculus and its Applications .......................... 4
Free Elective ............................................................................. 0-1

**Premajor hours: .......................................................... 21**

**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 and Application .............................................. 4

plus:
Statistics (any UK Core Statistical Reasoning course) .......................... 3
BIO 425 Biology Seminar (Subtitle required)
or BIO 499 Biology Research Seminar ........................................ 1

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

Other Course Work Required for the Major
From Outside the Major Department
CHE 236/231 Survey of Organic Chemistry/Chemistry Laboratory I
or CHE 230/231 Organic Chemistry I/Laboratory I ............................ 4

PHY 211 General Physics or
PHY 151 Introduction to Physics .................................................. 3-5

**PHY 151 is not accepted for admission into Medical, Dental or Pharmacy School. Check with your advisor before choosing a physics course.**

**Other Major hours: ...................................................... 7-9**

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

Option A – Minor Option
NOTE: Fourteen of these hours must be at the 300-level or above.

Complete the requirements for any minor other than the biology minor ..................................................... 18-21
**Biology Electives .......................................................... 4-9

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

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

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

Option B – Topical Focus Option
NOTE: Fourteen of these hours must be at the 300-level or above.

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

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

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

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

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

Acceptable biology electives from outside the Department. Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology:
A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)
ABT 460
ANA 512, 516, 518 (some other anatomy courses at the 300-level are accepted, but are usually restricted to professional students)
ANT 332
ASC 364, 378
BCH 401G
ENT 310, 320, 360, 402, 460, 561, 564, 568 (ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/ENT/PRL 360.)
FRE 315, 340, 375, 402
FSC 530
GLY/EES 401G
MI 494G, 595, 598
NRE 320, 420G, 450G, 455G
PGY 412G, 560 (PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G)
PLS 320, 330, 332, 366, 450G, 502, 566, 567
PPA 400G
PSY 456, 459
STA 570, 580 (Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.)

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

*Course used towards completion of a UK Core Requirement.*
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 119-120.

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
Choose one course from approved list ............... 3-4

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

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

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

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

College Requirements

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

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

Premajor Requirements

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

Premajor hours: .................................................. 25

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
Statistics (take any UK Core Statistical Reasoning course) .................................. 3
BIO 425 Biology Seminar (Subtitle required)
or
BIO 499 Biology Research Seminar ..................... 1

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

Other Course Work Required for the Major

From Outside the Major Department
CHE 230 Organic Chemistry I .................................. 3
CHE 231 Organic Chemistry Laboratory I ............... 1
CHE 232 Organic Chemistry II ............................. 3

*PHY 211/213 General Physics
or
*PHY 231/241 General University Physics/Laboratory

PHY 232/242 General University Physics/Laboratory .................................. 10

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

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

Acceptable biology electives from outside the Department.
Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology:
A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)
ABT 460
ANA 511, 512, 516 (some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students)
ANT 332
ASC 364, 378
BCH 401G
ENT 310, 320, 360, 402, 460, 561, 564, 568 (ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/ENT/PLS 360.)
FOR 315, 340, 375, 402
FSC 530
GLY/EEN 401G
MI 494G, 595, 598
NE 320, 420G, 450G, 455G
PGY 412G, 560 (PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 330 or BIO 430G)
PLS 320, 330, 332, 366, 450G, 502, 566, 567
PPA 400G
PSY 456, 459
STA 570, 580 (Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.)

TOX 509

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

*Course used towards completion of a UK Core Requirement.

Minor in Biological Sciences

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

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

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

Minor Electives

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

Minor in Neuroscience

The minor in Neuroscience requires 18 hours of course work including the following:

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 ................. 1-3
ANA 780 Special Topics in Neurobiology ................. 1-3
BIO 395 Research in Biology – up to 6 credits can be used in this category ............................. 3-6
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 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 119.

UK Core Requirements

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

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

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

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   CHE 105 General College Chemistry I ........................... 4
   CHE 111 Laboratory to Accompany General Chemistry I .......................... 1

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

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

VII. Quantitative Foundations
   MA 113 Calculus I ..................................................... 4

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

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

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

UK Core Hours .................................................................. 33

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ........ 3

College Requirements

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

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

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

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

Premajor Requirements

*MA 113 Calculus I
or
MA 132 Calculus for the Life Sciences ............................ 4
MA 114 Calculus II ....................................................... 4
*CHE 105 General College Chemistry I .......................... 4
CHE 107 General College Chemistry II ............................ 3
*CHE 111 Laboratory to Accompany General Chemistry I .......................... 1
CHE 113 Laboratory to Accompany General Chemistry II .......................... 2

Premajor hours: ......................................................... 18

Major Requirements

Major Core Requirements
   CHE 226 Analytical Chemistry ..................................... 3
   CHE 230 Organic Chemistry I ....................................... 3
   CHE 231 Organic Chemistry Laboratory I ................. 1
   CHE 232 Organic Chemistry II ...................................... 3
   CHE 233 Organic Chemistry Laboratory II .................. 1
   CHE 440G Introductory Physical Chemistry ................. 4
   CHE 441G Physical Chemistry Laboratory .................. 2
   CHE 572 Communication in Chemistry (two semesters) .... 2

Major Core hours: ......................................................... 19

Other Course Work Required for the Major

Major Chemistry Field Options
   Choose 21 hours at the 300-500 level with a prefix of ANA,
   BCH, BIO, CHE, CME, CS, GLY/EES, MA, MI, MSE, PAT,
   PGY, 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 recom-
   mended for students having a minimum GPA of 3.0 in CHE
   courses. Other courses may be approved by the Undergradu-
   ate 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 under-
   graduate research or reading courses may be counted; such
   courses require approval of the Undergraduate Program Com-
   mittee 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 and
   *PHY 241/242 General University Physics

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

Total Minimum Hours

Required for Degree .................................................. 122

*Any language may be used to satisfy the College Foreign
Language requirements – German is recommended.
*Course used towards completion of a UK Core Re-

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
   CIS/WRD 110 Composition and Communication I ............ 3
   MA 113 Calculus I ....................................................... 4
   UK Core ................................................................. 3

Second Semester
   CHE 107 General College Chemistry II .......................... 3
   CHE 113 Laboratory to Accompany General Chemistry II ........ 2
   MA 114 Calculus II ..................................................... 4
   CIS/WRD 111 Composition and Communication II ............ 3
   UK Core ................................................................. 3

Sophomore Year

First Semester Hours
   CHE 230 Organic Chemistry I ..................................... 3
   CHE 231 Organic Chemistry Laboratory I .................... 1
   PHY 211 General Physics .......................................... 5
   STA 210 Making Sense of Uncertainty: 
   An Introduction to Statistical Reasoning ................. 3
   UK Core ................................................................. 3

Second Semester
   CHE 226 Analytical Chemistry .................................... 3
   CHE 232 Organic Chemistry II .................................... 3
   CHE 233 Organic Chemistry Laboratory II ................. 1
   PHY 213 General Physics .......................................... 5
   A&S Humanities/Social Science ................................. 3

Junior Year

First Semester Hours
   CHE 440G Introductory Physical Chemistry ................. 4
   Foreign Language I .................................................. 4
   UK Core ................................................................. 3
   Major Field Option* .................................................. 3

Second Semester
   CHE 441G Physical Chemistry Laboratory .................... 2
   CHE 572 Communication in Chemistry ....................... 1
   Foreign Language II ................................................ 4
   A&S Humanities/Social Science ................................. 3
   Major Field Option* .................................................. 3

Senior Year

First Semester Hours
   Free Elective (A&S) .................................................. 3
   Foreign Language III ................................................ 3
   Major Field Option* .................................................. 6
   A&S Humanities/Social Science ................................. 3
Bachelor of Science with a major in CHEMISTRY

Traditional Option

123 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Electives .......................................................... 3

*Major field options (21 credits) must be chosen from courses at the 300- to 500-level with the prefixes CHE, ANA, BCH, BIO, CME, CS, GL/EEES, MA, MI, MSE, MAT, PHY, PHE, PHR, PHY, PM, RM or STA. Credit will not be given for both BCH 401G and CHE 550 or CHE 552. Other courses may be approved as Major Field Options by the Undergraduate Program Committee. At least 3 of these hours must be in CHE courses; at least 4 of the 21 credits must be taken in non-CHE courses. Students working towards teaching accreditation may count six credits in courses taken at or above the 300-level in the College of Education. Six credits of CHE 395 are recommended for students having a minimum 3.0 GPA in chemistry courses. Oral and written reports are required from CHE 395 students during their final semester of registration in CHE 395. A maximum of nine credits 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.

*Any foreign language sequence satisfying the College of Arts and Sciences requirement in foreign languages may be taken. German is recommended.

Second Semester

CHE 572 Communication in Chemistry ............... 1
Major Field Options* ......................................... 6
A&S Humanities/Social Science ......................... 3
UK Core ......................................................... 3
Electives .......................................................... 3

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ........... 3

College Requirements

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

a. Natural Science (completed by Major Requirements) ................................... 1
b. Social Science ...................................................... 3
e. Humanities .............................................................. 3
III. Laboratory or Field Work (completed by Premajor Requirement)

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

College Requirement hours: ....................... 12-26

Premajor Requirements

*MA 113 Calculus I ............................................... 4
MA 114 Calculus II ............................................... 4
*CHE 105 General College Chemistry I ............ 4
CHE 107 General College Chemistry II .......... 3
*CHE 111 Laboratory to Accompany General Chemistry I .................................. 1
CHE 113 Laboratory to Accompany General Chemistry II ................................. 2

Premajor hours: ............................................... 18

Major Requirements

Major Core Requirements

CHE 226 Analytical Chemistry ......................... 3
CHE 230 Organic Chemistry I ............................... 3
CHE 231 Organic Chemistry Laboratory I .......... 1
CHE 232 Organic Chemistry II ............................. 3
CHE 410G Inorganic Chemistry ......................... 2
CHE 412G Inorganic Chemistry Laboratory .......... 2
CHE 441G Physical Chemistry Laboratory .......... 2
CHE 442G Thermodynamics and Kinetics ............ 3
CHE 522 Instrumental Analysis ......................... 4
CHE 532 Spectrometeric 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 or
CHE 552 Biological Chemistry II ....................... 3
CHE 572 Communication in Chemistry (two semesters) ..................................... 2

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

Other Course Work Required for the Major

From the Major Department:

Chemistry Major Field Options .......................... 6
Choose six hours from the following: up to six hours of CHE 395, any CHE 500-level course except for those required (CHE 522/532/533, CHE 550 or 552)/572, BCH 401G.

From the Mathematics Department

MA 213 Calculus III ........................................... 4
MA 322 Matrix Algebra and its Applications .......... 3

From the Physics Department

*PHY 231/232 General University Physics .......... 8
*PHY 241/242 General University Physics Laboratory .... 2

Other Major hours: ........................................... 23

Total Minimum Hours Required for Degree .......... 123

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

*Course used towards completion of a UK Core Requirement.

Curriculum for B.S. in Chemistry

Traditional Option

Freshman Year

First Semester

CHE 105 General College Chemistry I .............. 4
CHE 111 Laboratory to Accompany General Chemistry I ........................................... 1
CIS/WRD 110 Composition and Communication I .... 3
MA 113 Calculus I ............................................... 4
UK Core .......................................................... 3

Second Semester

CHE 107 General College Chemistry II ............. 3
CHE 113 Laboratory to Accompany General Chemistry II ....................................... 2
MA 114 Calculus II ............................................... 4
CIS/WRD 111 Composition and Communication II .... 3
UK Core .......................................................... 3

Sophomore Year

First Semester

CHE 226 Analytical Chemistry ......................... 3
CHE 230 Organic Chemistry I ............................... 3
MA 213 Calculus III ........................................... 4
PHY 231 General University Physics .................... 4
PHY 241 General University Physics Laboratory .... 1

Second Semester

CHE 231 Organic Chemistry Laboratory I .......... 1
CHE 232 Organic Chemistry II ............................. 3
MA 322 Matrix Algebra and Its Applications .......... 3
PHY 232 General University Physics .................... 4
PHY 242 General University Physics Laboratory .... 1

Junior Year

First Semester

CHE 547 Principles of Physical Chemistry I ........ 3
CHE 532 Spectrometeric Identification of Organic Molecules ................................. 2
Foreign Language I* ............................................ 2
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 441G Physical Chemistry Laboratory .......... 2
CHE 442G Thermodynamics and Kinetics ............ 3
CHE 533 Qualitative Organic Analysis Laboratory .... 2
CHE 572 Communication in Chemistry ................. 1
Foreign Language II* ........................................... 4
A&S Humanities/Social Science ......................... 3

Senior Year

First Semester

CHE 412G Inorganic Chemistry Laboratory .......... 2
CHE 522 Instrumental Analysis ......................... 4
CHE 550 Biological Chemistry I or

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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 119-120.

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

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

VII. Quantitative Foundations
MA 113 Calculus I ..................................................... 3

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

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

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

UK Core Hours .................................................. 33

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

Graduation Writing Requirement Hours: 3

College Requirements

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

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

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

   IV. Electives

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 150 Principles of Biology I ....................... 3
BIO 151 Principles of Biology Laboratory I ........... 2
BIO 152 Principles of Biology II ...................... 3
BIO 153 Principles of Biology Laboratory II ............ 2

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

Major Requirements

Major Core Requirements

CHE 226 Analytical Chemistry .................................. 3
CHE 230 Organic Chemistry I .................................. 3
CHE 231 Organic Chemistry Laboratory I ............... 1
CHE 232 Organic Chemistry II .................................. 3
BIO 304 Principles of Genetics or BIO 308 General Microbiology or BIO 315 Introduction to Cell Biology .......... 3-4
CHE 410G Inorganic Chemistry ............................. 2
CHE 412G Inorganic Chemistry Laboratory .......... 2
CHE 440G Introductory Physical Chemistry .......... 4
CHE 441G Physical Chemistry Laboratory ........... 2
CHE 522 Instrumental Analysis or CHE 532/533 Spectrometric Identification of Organic Molecules/Qualitative Organic Analysis Laboratory ........................................... 4
CHE 550 Biological Chemistry I ............................... 3
CHE 552 Biological Chemistry II ...................... 3
CHE 554 Biological Chemistry Laboratory ........... 2
CHE 572 Communication in Chemistry (two semesters) .......... 2

Major Core hours: ........................................... 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 .............................................. 3

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 150 Principles of Biology I ............................... 3
BIO 151 Principles of Biology Laboratory I ........... 2
CIS/WRD 111 Composition and Communication II ............. 3

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 522 Instrumental Analysis .................................. 4
or CHE 532 Spectrometric Identification of Organic Molecules .............................................. 2
CHE 550 Biological Chemistry I ............................... 3
A&S Humanities/Social Science .................................. 3
UK Core ............................................................. 3

Second Semester

CHE 410G Inorganic Chemistry .................................. 2
CHE 532 Qualitative Organic Analysis Laboratory (if CHE 532 taken) .............................................. 2
CHE 552 Biological Chemistry II ............................... 3
CHE 554 Biological Chemistry Laboratory ........... 2
BIO 304 Principles of Genetics or BIO 308 General Microbiology or BIO 315 Introduction to Cell Biology .......... 3-4
Foreign Language** ............................................. 4
College of Arts and Sciences

Senior Year

First Semester

<table>
<thead>
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<th>Course</th>
<th>Hours</th>
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<tr>
<td>CHE 442G Inorganic Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Major Field Option</td>
<td>2</td>
</tr>
<tr>
<td>CHE 572 Communication in Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>A&amp;S Humanities/Social Science</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language*</td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHE 441G Physical Chemistry Laboratory</td>
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</tr>
<tr>
<td>Major Field Option</td>
<td>2</td>
</tr>
<tr>
<td>CHE 572 Communication in Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language*</td>
<td>3</td>
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<tr>
<td>UK Core</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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</tbody>
</table>

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

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

Certification Requirements

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

Minor in Chemistry

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

B.A. with a major in CHINESE LANGUAGE AND LITERATURE

The requirements for the B.A. with a major in Chinese Language and Literature are listed in this A&S section under Modern and Classical Languages, Literatures and Cultures.

B.A. or B.S. with a major in CLASSICS

The requirements for the B.A. and B.S. with a major in Classics are listed in this A&S section under Modern and Classical Languages, Literatures and Cultures.

EARTH AND ENVIRONMENTAL SCIENCES

The earth and environmental sciences encompass a wide variety of studies of our planet and nearby parts of the solar system, including considerations of our planet’s origin, as well as its composition, structure, prehistoric life, internal and surficial processes, and history. These studies have important implications for understanding how our planet functions and have 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 Geology. The B.S. program is designed for students who plan a career as a professional geologist or who plan to attend graduate school. The B.A. program is designed for students planning a career in 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 GEOLOGY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Fulfilled by Premajor Requirement – MA 123 or MA 113

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core Hours 24

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science (completed by Major Requirements) 10

b. Social Science (can be partially fulfilled by Major Requirements) 6

c. Humanities 6

III. Laboratory or Field Work (completed by Premajor Requirement) 3

IV. Electives 6

College Requirement hours: 18-32

Premajor Requirements

*CHE 105 General College Chemistry I 4

**CHE 111 Laboratory to Accompany General Chemistry I 1

GLY/EES 220 Principles of Physical Geology 1

GLY/EES 223 Introduction to Geology in the Rocky Mountains 4-6

GLY/EES 295 Geoscience Orientation 1

*MA 123 Elementary Calculus and its Applications 4

*MA 113 Calculus I 4

PHYS 151 Introduction to Physics 4

PHYS 211 General Physics 4

PHYS 231/241 General University Physics/Lab 3.5

Premajor hours: 18-21

Major Requirements

Major Core Requirements

GLY/EES 230 Fundamentals of Geology I 3

GLY/EES 235 Fundamentals of Geology II 3

GLY/EES 350 Regional Historical Geology 3

GLY/EES 360 Mineralogy 4

GLY/EES 420G Structural Geology 4

GLY/EES 450G Sedimentary Geology 4

GLY/EES 461 Igneous and Metamorphic Petrology 4

Major Core hours: 25

Other Course Work Required for the Major

From the Major Department:

Elective I 6

Choose six hours of GLY/EES courses at the 400+ level, not to include GLY/EES 495 or 496

Elective II 6

Choose six additional hours of 300+ GLY/EES or related courses
Bachelor of Science with a major in GEOLGY

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 119-120.

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

I. Intellectual Inquiry in the Humanities
Choose one course from approved list ............................ 3
II. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ............................ 3
III. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Fulfilled by Premajor Requirement – CHE 105/CHE 111

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

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

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

VIII. Statistical Inferential Reasoning
Fulfilled by Premajor Requirement – MA 113

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

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

UK Core Hours ......................................................... 24

Graduation Writing Requirement
GLY/EES 490 Earth Dynamics

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

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

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

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

College Requirement hours: ............................... 12-26

Premajor Requirements
*MA 113 Calculus I ............................................. 4
MA 114 Calculus II ............................................. 4
*CHE 105 General College Chemistry I ............... 4
*CHE 111 Laboratory to Accompany
General Chemistry I ........................................... 1
CHE 107 General College Chemistry II ......... 3
CHE 113 Laboratory to Accompany
General Chemistry II ........................................... 2

GLY/EES 220 Principles of Physical Geology
or
GLY/EES 223 Introduction to Geology
in the Rocky Mountains .............................................. 4-6
GLY/EES 230 Fundamentals of Geology I .......... 3
GLY/EES 235 Fundamentals of Geology II .......... 3
GLY/EES 295 Geoscience Orientation ............... 1

Premajor hours: .................................................. 29-31

Major Requirements

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

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

Other Course Work Required for the Major
From the Major Department:

Elective I .............................................................. 6
Choose six hours of GLY/EES courses at the 400+ level, not to include GLY/EES 495 or 496

Elective II ............................................................. 6
Choose six additional hours of 300+ GLY/EES or related courses

From the Physics Department
*PHY 211/213 General Physics or
*PHY 231/232/241/242 General University Physics 10

NOTE: Fourteen hours at the 200 level or higher must be completed outside Geology. Partial fulfillment of this requirement can be completed by the PHY Sequence and GLY/EES Elective II Requirements .......... 0-4

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

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

*Course used towards completion of a UK Core Requirement or Graduation Writing Requirement.

Minor in Geology

Minor in Geology Hours

The minor consists of nineteen hours to include:

GLY/EES 220 Principles of Physical Geology .......... 4
GLY/EES 230 Fundamentals of Geology I ............ 3
GLY/EES 235 Fundamentals of Geology II ........... 3

Plus nine hours in GLY/EES courses at the 300 level or higher ......................................................... 9

Bachelor of Arts with a major in ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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 six additional hours of 300+ GLY/EES or related courses

From the Physics Department
*PHY 211/213 General Physics or
*PHY 231/232/241/242 General University Physics 10

NOTE: Fourteen hours at the 200 level or higher must be completed outside Geology. Partial fulfillment of this requirement can be completed by the PHY Sequence and GLY/EES Elective II Requirements .......... 0-4

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

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

*Course used towards completion of a UK Core Requirement or Graduation Writing Requirement.

Minor in Geology

Minor in Geology Hours

The minor consists of nineteen hours to include:

GLY/EES 220 Principles of Physical Geology .......... 4
GLY/EES 230 Fundamentals of Geology I ............ 3
GLY/EES 235 Fundamentals of Geology II ........... 3

Plus nine hours in GLY/EES courses at the 300 level or higher ......................................................... 9

College of Arts and Sciences

ECONOMICS

The Department of Economics offers theoretical and applied courses in diverse areas including microeconomics, macroeconomics, labor, money and banking, international economics, public economics, and industrial organization. It provides an opportunity for the student to pursue his or her interests within the framework of a liberal arts education.

The department offers programs leading to different undergraduate degree – a Bachelor of Science in the Gatton College of Business and Economics, a Bachelor of Arts and a Bachelor of Science with a major in economics in the College of Arts and Sciences, and a Bachelor of Arts and a Bachelor of Science with a major in mathematical economics. The distinctions among these degree lie primarily in the required supporting courses in the various programs. (For students wishing to major in economics through the Gatton College of Business and Economics, please refer directly to that college’s section in the Bulletin. Mathematical economics majors should refer directly to that section of the Bulletin under the College of Arts and Sciences.)
### Bachelor of Science with a major in ECONOMICS

<table>
<thead>
<tr>
<th>Minimum Hours</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 hours (minimum)</td>
<td>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 119-120.</td>
</tr>
</tbody>
</table>

### UK Core Requirements

#### ECO Core Courses

- **Major Core Requirements**
  - ECO 401 Intermediate Microeconomic Theory
  - ECO 201 Principles of Economics I
  - ECO 202 Principles of Economics II
  - ECO 402 Intermediate Macroeconomic Theory
  - ECO 202 Principles of Economics II
  - ECO 401 Intermediate Microeconomic Theory
  - ECO 499 Seminar in Economics

#### College Requirements

- **College Requirement hours:** 31

#### Premajor Requirements

- **Premajor hours:** 13-16

#### Major Core requirements

- **Major Core hours:** 12

#### Other Course Work Required for the Major

- **Other Major hours:** 30

#### Electives

- **Electives:** Choose electives to lead to the minimum total of 60 science hours and 120 earned hours required for graduation.
- **Total Minimum Hours Required for Degree:** 120

### Minor in Economics

- The minor consists of eighteen hours to include:
  - ECO 201 Principles of Economics I
  - ECO 202 Principles of Economics II
  - ECO 401 Intermediate Microeconomic Theory
  - ECO 499 Seminar in Economics

### College Requirements

- **College Requirement hours:** 13-27

### Premajor Requirements

- **Premajor hours:** 13-16

### Major Requirements

- **Major Core requirements**
  - ECO 391 Economic and Business Statistics
  - ECO 401 Intermediate Microeconomic Theory
  - ECO 402 Intermediate Macroeconomic Theory
  - ECO 499 Seminar in Economics

### Electives

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

#### Total Minimum Hours Required for Degree

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

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*Course used towards completion of a UK Core Requirement.*
ENGLISH

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

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 119.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .... 3

College Requirements

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

II. Disciplinary Requirements
   a. Natural Science ........................................................................... 6
   b. Social Science ............................................................................ 6
   c. Humanities (completed by Major Requirements) ................. 0-6

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

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

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

Premajor Requirements

*ENG 230 Introduction to Literature ................. 3

plus one of the following

ENG 231 Literature and Genre
ENG 232 Literature and Place
ENG 233 Literature and Identities
ENG 234 Introduction to Women’s Literature
ENG 264 Major Black Writers
ENG 281 Introduction to Film .......................................... 3

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

Major Requirements

Major Core Requirements

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

**ENG 395 Independent Work (Capstone) .......... 1

Major Core hours: ...................................................... 4

Other Course Work Required for the Major

From the Major Department:
Language Module .................................................. 3
Choose one of the following: ENG/LIN 210, 211, 310

Literature Module .................................................. 12
Complete two of the following British literature courses: ENG 331, 332, 333, 340; and two of the following American literature courses: ENG 334, 335, 336. At least three of these must be chosen from the survey courses (ENG 331, 332, 334, 335).

Area Module ....................................................... 12
Complete four additional courses – at least two of which must be from the same area module. Note that some of the listed courses may be repeated under different subtitles.


Imaginative Writing: ENG 207, 407, 507

Writing: ENG 301, 306, 401, 405, 509

Film and Media: ENG 283, 381, 382, 480G

Language Study: ENG/LIN 310, ENG/LIN 512, ENG/LIN/EDC 513, ENG/LIN/EDC 514, ENG/LIN/ANT 515, ENG/LIN/ANT 516, ENG 519, LIN/ANT 519

Theory: ENG 486G, 487G, 488G

English Education Emphasis: ENG 264 or 483G, 509, 572, and one additional writing module course

From Outside the Major Department

15 additional hours at the 200+ level outside English are required (courses 300+ recommended; note that 200+ level courses used to satisfy College Requirements may also be counted here.) ......................................................... 15

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

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ..................................................... 3

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

*Course used towards completion of a UK Core Requirement.

**Currently being waived.

Bachelor of Science with a major in
ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ENG prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .... 3

College Requirements

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

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

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

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

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

*ENG 281 Introduction to Film ...................................... 3
*ENG 264 Major Black Writers
ENG 233 Literature and Identities
*ENG 230 Introduction to Literature ............................. 3

Other Course Work Required for the Major

Language Module ......................................................... 3
Choose one of the following: ENG/LIN 210, 211, 310

Literature Module .......................................................... 12
Complete two of the following British literature courses:
ENG 331, 332, 333, 334; and two of the following American
literature courses: ENG 334, 335, 336. At least three of these
must be chosen from the survey courses (ENG 331, 332, 334,
335).

Area Module ........................................................................ 12
Complete four additional courses – at least two of which must
be from the same area module. Note that some of the listed
courses may be repeated under different subtitles.

Literature: ENG 340 (if not used in Literature Module),
481G, 482G, 483G, 484G, 485G, 570, 572
Imaginative Writing: ENG 207, 407, 507
Writing: ENG 301, 306, 401, 405, 509
Film and Media: ENG 283, 381, 382, 480G

Language Study: ENG/LIN 310, ENG/LIN 512, ENG/
LIN/EDC 513, ENG/LIN/EDC 514, ENG/LIN/ANT 515,
ENG/LIN/ANT 516, ENG 519, LIN/ANT 519

Theory: ENG 486G, 487G, 488G

English Education Emphasis: ENG 264 or 483G, 509, 572,
and one additional writing module course

From Outside the Major Department

15 additional hours at the 200+ level outside English are
required (courses 300+ recommended; note that 200+ level
courses used to satisfy College Requirements may also be
counted here.) ................................................................. 15

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

Electives

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

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

*Course used towards completion of a UK Core Req-
requirement.

**Currently being waived.

Minor in English

The minor consists of a total of 18 hours, of which at least
12 hours must be at or above the 300 level. The hours are to
be distributed as follows:

1. Two of the following courses (six hours):
   ENG 331 Survey of British Literature I
   ENG 332 Survey of British Literature II
   ENG 334 Survey of American Literature I
   ENG 335 Survey of American Literature II

2. One course in Shakespeare (three hours)
3. Three more courses (nine hours) selected from the
department’s offerings (excluding all 100-level courses
and ENG 205, 261, 262; WRD 203, 204).

B.A. or B.S. with a major in FRENCH

The requirements for the B.A. and B.S. with
a major in French are listed in this A&S section
under Modern and Classical Languages, Litera-
tures and Cultures.

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 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
requirements for a Bachelor of Arts degree on
page 119.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ... 3

College Requirements

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

College Requirement Hours: ........................................... 22-36

Premajor Requirements

*GWS 200 Introduction to Gender and
Women’s Studies in the Social Sciences ................. 3
*GWS 201 Introduction to Gender and
Women’s Studies in the Arts and Humanities .......... 3

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

Major Requirements

Core Courses

GWS 250 Social Movements ............................................. 3
GWS 340 History of Feminist Thought to 1975 .......... 3
GWS 350 Introduction to Feminist Theorizing .............. 3
GWS 400 Doing Feminist Research .............................. 3
GWS 599 Senior Seminar .................................................. 3

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

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. Addi-
tional 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 395 Undergraduate Research in
Gender and Women’s Studies .................................. 3
GWS 399 Internship in Gender and
Women’s Studies .................................................... 1-3
GWS 399 Internship in Gender and
Women’s Studies .................................................... 1-3
GWS 430 Gender, Power and Violence ....................... 3
GWS 596 Issues in Gender and Women’s Studies
(Subtitle required) .................................................... 3

Elective hours: .......................................................... 15

Total Major hours: ..................................................... 30
The Department of Geography has developed detailed major concentration tracks in three areas: earth environmental systems (physical geography), human geography, and geographic information techniques. For more information, contact the Department of Geography at (859) 257-2931, or on the Web at: www.uky.edu/AS/Geography/.

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 119.

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: ............................ 3

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

II. Disciplinary Requirements
a. Natural Science ................................................................ 6

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

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

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

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

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

Premajor Requirements
*GEO 110 Earth’s Physical Environment ............................. 3

*GEO 172 Human Geography ............................................. 3

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

*Course used towards completion of a UK Core Requirement.

Major Requirements

Major Core Requirements
GEO 200 Orientation to Geography ..................................... 3

GEO 300 Geographic Research ........................................... 3

GEO 305 Elements of Cartography ...................................... 3

GEO 310 Quantitative Techniques in Geography ................. 3

GEO 499 Senior Research Seminar ...................................... 3

Major Core hours: ........................................................... 15

Other Course Work Required for the Major

From the Major Department:

Breadth Requirements ....................................................... 6
Choose one regional geography course and one thematic geography course at the 300+ level.

Geography Concentration Tracks ......................................... 12
Choose at least 12 hours of additional geography courses (200 level or higher) to include no more than six hours of GEO 560 (Independent Work in Geography) and GEO 399 (Internship in Geography). The following three tracks (Earth Environmental Systems, Human Geography, and Geographic Information Techniques) represent major areas within Geography and are provided as guidelines. Most students will find it useful to concentrate their 12 hours within one of the three tracks but this is not a requirement. Consult with your advisor in making these selections.

Track 1: Earth Environmental Systems (Physical Geography)
This concentration emphasizes the earth’s physical environment, including soils and landscapes; fluvial and other hydrologic systems; weather and climate; and vegetation and animal life. Emphasis is on (a) the pattern of spatial variation these regimes exhibit; (b) the physical processes that underpin their historical and spatial development; and (c) the interactions between these regimes and human activity. Topical areas reflecting physical-human interactions include identification and analysis of pollution, mitigation of natural hazards, and the outcomes of environmental management strategies.

The Department strongly recommends that students in the Earth Environmental Systems Concentration pursue a Bachelor of Science degree.

GEO 230 Weather and Climate ............................................. 3

*GEO 235 Environmental Management and Policy .............. 3

GEO 351 Physical Landscapes ............................................. 3

GEO 451G Fluvial Forms and Processes ............................ 3

*Or other Physical Geography, GIS, Remote Sensing, Computer Cartography courses.

Track 2: Human Geography (HG)
Human Geography focuses on the identification, description, and analysis of: (a) human spatial behavior and cognition; (b) social, economic, and political processes as they are manifest locally and globally; and (c) the cultural impress of human activity on the landscape. Within these areas, students can focus on the socio-psychological aspects of space and place, including cultural differences in ways of knowing the world. They will learn about the processes that produce local-to-global distinctiveness in key problem areas including: poverty, injustice, and hunger; illness, disability, and disease; patriarchy, racism, and homophobia; and unequal
Bachelor of Science with a major in GEOGRAPHY

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GEO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .......................... 3

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

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

Premajor Requirements
*GEO 130 Earth’s Physical Environment ......................... 3
*GEO 172 Human Geography ........................................ 3

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

*Course used towards completion of a UK Core Requirement.

Major Requirements
Major Core Requirements
GEO 200 Orientation to Geography .................................. 3
GEO 300 Geographic Research ........................................ 3
GEO 305 Elements of Cartography ................................... 3
GEO 310 Quantitative Techniques in Geography .............. 3
GEO 499 Senior Research Seminar ................................... 3

Major Core hours: ......................................................... 15

Other Course Work Required for the Major
From the Major Department:
Breadth Requirements .................................................... 6
Choose one regional geography course and one thematic geography course at the 300+ level.

Geography Concentration Tracks ................................... 12
Choose at least 12 hours of additional geography courses (200 level or higher) to include no more than six hours of GEO 560 (Independent Work in Geography) and GEO 399 (Internship in Geography). The following three tracks (Earth Environmental Systems, Human Geography, and Geographic Information Techniques) represent major areas within Geography and are provided as guidelines. Most students will find it useful to concentrate their 12 hours within one of the three tracks but this is not a requirement. Consult with your advisor in making these selections.

Track 1: Earth Environmental Systems
(Physical Geography)
This concentration emphasizes the earth’s physical environment, including soils and landscapes; fluvial and other hydrologic systems; weather and climate; and vegetation and animal life. Emphasis is on (a) the pattern of spatial variation these regimes exhibit; (b) the physical processes that underpin their historical and spatial development; and (c) the interactions between these regimes and human activity. Topical areas reflecting physical-human interactions include identification and analysis of pollution, mitigation of natural hazards, and the outcomes of environmental management strategies.
GEO 230 Weather and Climate ....................................... 3
*GEO 235 Environmental Management and Policy .......... 3
GEO 351 Physical Landscapes ........................................ 3
GEO 451G Fluvial Forms and Processes ......................... 3
*Or other Physical Geography, GIS, Remote Sensing, Computer Cartography courses.

Track 2: Human Geography (HG)
Human Geography focuses on the identification, description, and analysis of: (a) human spatial behavior and cognition; (b) social, economic, and political processes as they are manifest locally and globally; and (c) the cultural impress of human activity on the landscape. Within these areas, students can focus on the socio-psychological aspects of space and place, including cultural differences in ways of knowing the world. They will learn about the processes that produce local-to-global distinctiveness in key problem areas including: poverty, injustice, and hunger; illness, disability, and disease; patriarchy, racism, and homophobia; and unequal access to natural resources, education, health, and safety. Students will also find an opportunity to learn how human practices and broader processes affect both our natural and built environments. Finally, students will learn practical tools to contribute to better world through their research, or professional participation in civil society, the private sector, or government agencies. The HG Track permits students to specialize in a particular region of interest, including East, South, Southwest (Middle East), and Southeast Asia, Europe, the Caribbean, and the United States, especially Appalachia and the South.

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .......................... 3

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

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

Premajor Requirements
*GEO 130 Earth’s Physical Environment ......................... 3
*GEO 172 Human Geography ........................................ 3

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

*Course used towards completion of a UK Core Requirement.

Major Requirements
Major Core Requirements
GEO 200 Orientation to Geography .................................. 3
GEO 300 Geographic Research ........................................ 3
GEO 305 Elements of Cartography ................................... 3
GEO 310 Quantitative Techniques in Geography .............. 3
GEO 499 Senior Research Seminar ................................... 3

Major Core hours: ......................................................... 15

Other Course Work Required for the Major
From the Major Department:
Breadth Requirements .................................................... 6
Choose one regional geography course and one thematic geography course at the 300+ level.

Geography Concentration Tracks ................................... 12
Choose at least 12 hours of additional geography courses (200 level or higher) to include no more than six hours of GEO 560 (Independent Work in Geography) and GEO 399 (Internship in Geography). The following three tracks (Earth Environmental Systems, Human Geography, and Geographic Information Techniques) represent major areas within Geography and are provided as guidelines. Most students will find it useful to concentrate their 12 hours within one of the three tracks but this is not a requirement. Consult with your advisor in making these selections.

Track 1: Earth Environmental Systems
(Physical Geography)
This concentration emphasizes the earth’s physical environment, including soils and landscapes; fluvial and other hydrologic systems; weather and climate; and vegetation and animal life. Emphasis is on (a) the pattern of spatial variation these regimes exhibit; (b) the physical processes that underpin their historical and spatial development; and (c) the interactions between these regimes and human activity. Topical areas reflecting physical-human interactions include identification and analysis of pollution, mitigation of natural hazards, and the outcomes of environmental management strategies.
GEO 230 Weather and Climate ....................................... 3
*GEO 235 Environmental Management and Policy .......... 3
GEO 351 Physical Landscapes ........................................ 3
GEO 451G Fluvial Forms and Processes ......................... 3
*Or other Physical Geography, GIS, Remote Sensing, Computer Cartography courses.

Track 2: Human Geography (HG)
Human Geography focuses on the identification, description, and analysis of: (a) human spatial behavior and cognition; (b) social, economic, and political processes as they are manifest locally and globally; and (c) the cultural impress of human activity on the landscape. Within these areas, students can focus on the socio-psychological aspects of space and place, including cultural differences in ways of knowing the world. They will learn about the processes that produce local-to-global distinctiveness in key problem areas including: poverty, injustice, and hunger; illness, disability, and disease; patriarchy, racism, and homophobia; and unequal access to natural resources, education, health, and safety. Students will also find an opportunity to learn how human practices and broader processes affect both our natural and built environments. Finally, students will learn practical tools to contribute to better world through their research, or professional participation in civil society, the private sector, or government agencies. The HG Track permits students to specialize in a particular region of interest, including East, South, Southwest (Middle East), and Southeast Asia, Eu-
Choose 15 hours outside Geography at the 200+ level.

- Aerial Photography ...................................................... 3
- GEO 508 Geographic Interpretation of
- GEO 506 Introduction to Computer Cartography .......... 3
- GEO 505 Practicum in Cartography ............................... 3

Concentration encompasses geographical information science (GIS), cartography, remote sensing, and spatial analysis, including identification of data sources, collection, storage/retrieval, manipulation, analysis, and visualization. The GIT Track is concerned with all aspects of geographical information/data, from the 400+ level ........................................................... 18-27

- GEO 309 Introduction to GIS ........................................ 3
- GEO 399 Internship in Geography .................................. 3
- GEO 409 Advanced GIS ............................................. 3
- GEO 415 Map Interpretation .......................................... 3
- GEO 505 Practicum in Cartography .............................. 3
- GEO 506 Introduction to Computer Cartography .......... 3
- GEO 508 Geographic Interpretation of
- GEO 505 Practicum in Cartography ............................... 3

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 119.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .......................... 3

College Requirements

I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements

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

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

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

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

Premajor Requirements

SPA 201 Intermediate Spanish III .................................. 3
SPA 202 Intermediate Spanish IV .................................. 3
SPA 210 Spanish Grammar and Syntax .......................... 3
SPA 211 Intermediate Spanish Conversation .................. 3

Premajor hours: ............................................................... 12

Major Requirements

Major Core Requirements

SPA 310 Spanish Composition through
Textual Analysis ........................................................... 3

Major Core hours: ............................................................ 3

Other Course Work Required for the Major

From the Major Department:

Choose 15-27 hours of 300+ level Spanish courses to include at least six hours of literature, and at least nine hours at the 400+ level ............................................................... 18-27

From Outside the Major Department

Choose 15 hours outside Spanish at the 200+ level from the following areas: anthropology, Arabic, art history, classics, English, French, geography, German, history, honors, Islamic studies, Italian, Japanese, Judaic studies, Latin American studies, linguistics, music, philosophy, political science, Portuguese, Russian, sociology, theatre, women's studies. Courses from other areas may be used with the approval of the Director of Undergraduate Studies. 200+ level courses used to satisfy College requirements can also be counted here ........................................................................... 15-21

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

Electives

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

Total Minimum Hours Required for Degree ..................... 120
**Bachelor of Science with a major in SPANISH**

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an SPA prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

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

<table>
<thead>
<tr>
<th>I. Intellectual Inquiry in Arts and Creativity</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II. Intellectual Inquiry in the Humanities</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. Intellectual Inquiry in the Social Sciences</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IV. International Inquiry in the Natural, Physical, and Mathematical Sciences</th>
<th>Required for Degree</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V. Composition and Communication I</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VI. Composition and Communication II</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS/WRD 111 Composition and Communication II</td>
<td>3</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>VII. Quantitative Foundations</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>VIII. Statistical Inference Reasoning</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>IX. Community, Culture and Citizenship in the USA</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>X. Global Dynamics</th>
<th>Required for Degree</th>
<th>Total Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**UK Core Hours**: 30

**Graduation Writing Requirement**

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

**Graduation Writing Requirement Hours**: 3

**College Requirements**

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

**College Requirement hours**: 13

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**Premajor Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 201 Intermediate Spanish III</td>
<td>3</td>
</tr>
<tr>
<td>SPA 202 Intermediate Spanish IV</td>
<td>3</td>
</tr>
<tr>
<td>SPA 210 Spanish Grammar and Syntax</td>
<td>3</td>
</tr>
<tr>
<td>SPA 211 Intermediate Spanish Conversation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Premajor hours**: 12

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course from approved list</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Core hours**: 3

**Other Course Work Required for the Major**

**From the Major Department:**

Choose 18-27 hours of 300+ level Spanish courses to include at least six hours of literature, and at least nine hours at the 400+ level. Total Minimum Hours: 18-27

**From Outside the Major Department**

Choose 15 hours outside Spanish at the 200+ level from the following areas: anthropology, Arab, art history, classics, English, French, geography, German, history, honors, Islamic studies, Italian, Japanese, Judaic studies, Latin American studies, linguistics, music, philosophy, political science, Portuguese, Russian, sociology, theatre, women’s studies. Courses from other areas may be used with the approval of the Director of Undergraduate Studies. 200+ level courses used to satisfy College requirements can also be counted here.

**Other Major hours**: 39

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation. Total Minimum Hours Required for Degree: 14

**Minor in Spanish**

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

1. SPA 202 or SPA 242 or equivalent  
2. SPA 210  
3. SPA 211  
4. Beyond the first six-semester sequence, twelve additional hours which must be taken at the 300 level or above. (At least one course, three hours, must be taken in Spanish or Spanish-American literature.)

**Note**: No courses taken in translation may be counted toward the minor in Spanish.

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**HISTORY**

The Department of History’s program seeks to expand understanding of human experience and enable students to learn about their world in light of its past. The department offers a wide range of courses. These courses, an essential part of a liberal arts education, are also designed to train students to be teachers of history and professional historians. Faculty and students in the department participate in many of the University’s interdisciplinary programs such as African American studies, women’s studies, Latin American studies, and Asian studies.

**Bachelor of Arts with a major in HISTORY**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**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 Inference Reasoning

Choose one course from approved list  

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list  

X. Global Dynamics

Choose one course from approved list  

**UK Core Hours**: 30

**Graduation Writing Requirement**

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

**Graduation Writing Requirement Hours**: 3

**College Requirements**

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

**College Requirement hours**: 19-33

**Premajor Requirements**

HIS 104 A History of Europe through the Middle-Seventeenth Century  

*HIS 105 A History of Europe from the Middle-Seventeenth Century to the Present*
UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .................................. 3

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

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

Premajor Requirements
HIS 104 A History of Europe through the Mid-Seventeenth Century
and
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present
OR
HIS 106 Western Culture: Science and Technology I
and
HIS 107 Western Culture: Science and Technology II
OR
HIS 108 History of the United States through 1876
and
HIS 109 History of the United States Since 1877 ...................... 6

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

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

Premajor requirements:

1. HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present
2. HIS 108 History of the United States through 1876
3. HIS 109 History of the United States Since 1877

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

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**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 119.

**UK Core Requirements**

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

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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<td>A-H 103 World Art</td>
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<td>ANT 130 Introduction to Comparative Religion</td>
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<td>ANT 160 Cultural Diversity in the Modern World</td>
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<td>GEO 152 Regional Geography of the World</td>
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<td>GEO 160 Lands and Peoples of the Non-Western World</td>
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<td>HIS 104 A History of Europe through the Mid-Seventeenth Century</td>
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<tr>
<td>HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present</td>
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<td>PS 210 Introduction to Comparative Politics</td>
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<td>PS 212 Culture and Politics in the Third World</td>
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<td>PS 235 World Politics</td>
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<tr>
<td>TA 171 World Theatre</td>
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</table>

*Students choosing the FLIE concentration are not required to complete the Pathway courses.*

**Language Competency**

Complete the fourth semester in one language

**OR**

Complete two additional semesters in the same language

*Students choosing the FLIE concentration will automatically meet the Language Competency requirement.*

**Capstone Senior Project**

Complete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>INT 495 International Studies Research Project</td>
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</table>

**Thematic and Area Concentrations**

Complete one of the following:

1. Fifteen credit hours with a thematic concentration and twelve credit hours with an area concentration

2. Sixteen credit hours with a thematic concentration and twelve credit hours with an area concentration

*Students choosing the FLIE concentration will automatically meet the Language Competency requirement.*

**Thematic Concentrations**

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

**International Relations**

The International Relations concentration focuses on how states and institutions interact in a global environment. Sources of global conflict, international non-government organizations, international crisis resolution, and national sovereignty are examined.

- ANT 311 Global Dreams and Local Realities
- ANT 322 Anthropology of the State
- GEO 442G Political Geography
- HIS 355 Topics in Non-Western History Since 1789
- HIS 551 Foreign Policies of Middle East States
- HIS 574 The Diplomacy and Foreign Policy of the United States to 1919
- HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919
- PS 391 Special Topics in Political Science (Subtitle required)*
- PS 410 Topics in Regional Politics (Subtitle required)*
- PS 427G East European Politics
- PS 430G The Conduct of American Foreign Relations
- PS 431G National Security Policy
- PS 435G Politics of International Economic Relations
- PS 436G International Organization
- PS 437G Dynamics of International Law
- PS 439G Special Topics in International Relations (Subtitle required)
- SOC 444 Topics in Political Sociology (Subtitle required)*

**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 is also explored.

- A-H 308 Studies in African Arts (Subtitle required)
- A-H 310 Asian Art and Culture (Subtitle required)
- A-H 323 Medieval (Subtitle required)
- A-H 334 Reframing Renaissance Art (Subtitle required)
- A-H 350 Contemporary (Subtitle required)
- A-H 527 Interdisciplinary Approaches (Subtitle required)*
- AIS 328 Islamic Civilization I
- AIS 330 Islamic Civilization II
- AIS 331 Classical Arabic Literature (in English)
- AIS 435 Topics in Islamic Studies (Subtitle required)*
- AIS 440 Introduction to the Quran
- ANT 241 Origins of Old World Civilization
- ANT 242 Origins of New World Civilization
- ANT 311 Global Dreams and Local Realities
- ANT 320 Andean Civilization
- ANT 322 Ancient Mexican Civilizations
- ANT 324 Contemporary Latin American Cultures
- ANT 326 People and Cultures of Sub-Saharan Africa
- ANT 327 Culture and Societies of India
- ANT 328 The Ancient Maya
- ANT 350 Topics in Anthropology (Subtitle required)*
- ANT 351 Special Topics in Archaeology (Subtitle required)*

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*Students choosing the FLIE concentration are not required to complete the Pathway courses.*
<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>ANT 352</td>
<td>Special Topics in Cultural Anthropology</td>
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<td>Special Topics in Physical or Biological Anthropology</td>
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<tr>
<td>ANT 432</td>
<td>Ethnology of Eastern Europe and Russia</td>
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<td>ANT 433</td>
<td>Social Organization</td>
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<td>ANT 440</td>
<td>Anthropological Perspectives on Child Growth</td>
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<td>ANT 450</td>
<td>Symbols and Culture</td>
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<td>Anthropological Research Methods</td>
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<td>Anthropological Typology</td>
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<td>ANT 532</td>
<td>Anthropology of the State</td>
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<td>Archaeological Method and Theory</td>
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<td>ANT 543</td>
<td>Cultural Resource Management</td>
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<td>ANT 585</td>
<td>Field Laboratory in Archaeological Research</td>
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<td>Gender Politics in Chinese Literature</td>
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<td>Introduction to Contemporary Chinese Film</td>
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<td>CHI 330</td>
<td>Introduction to Chinese Culture, Pre-Modern to 1840</td>
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<td>Introduction to Chinese Culture, 1840 to Present</td>
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<td>CHI 430</td>
<td>Popular Culture in Modern China</td>
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<td>CLA 480G</td>
<td>Studies in Greek and Latin Literature (Subtitle required)</td>
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<td>Culture, Education and Teaching Abroad</td>
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<td>RUS 370</td>
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<td>GEO 235</td>
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<td>GEO 331</td>
<td>Global Environmental Change</td>
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</table>

Global Environment

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

ANT 311 | Global Dreams and Local Realities in a “Flat” World

ANT 332 | Human Evolution

ANT 333 | Contemporary Human Variations

ANT 338 | Economic Anthropology

ANT 350 | Topics in Anthropology (Subtitle required)

ANT 351 | Special Topics in Anthropology (Subtitle required)

ANT 352 | Special Topics in Cultural Anthropology (Subtitle required)

ANT 353 | Special Topics in Physical or Biological Anthropology (Subtitle required)

ANT 375 | Ecology and Social Practice

ANT 490 | Anthropological Research Methods

GE 222 | Critical Thinking

GE 231 | Environment and Development

GE 235 | Environmental Management and Policy

GE 331 | Global Environmental Change
International Development

International Development concentration focuses on the developing world and examines development in relation to socio-political and socio-economic growth.

ANT 311 Global Dreams and Local Realities in a “Flat” World ................................................................. 3
ANT 338 Economic Anthropology ................................................................. 3
ANT 340 Development and Change in the Third World ................................................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ................................................................. 3
ANT 351 Special Topics in Archaeology (Subtitle required) ................................................................. 3

Human Rights and Social Movements

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

AIS 338 Women and Islam ................................................................. 3
AIS 340 Fundamentalism and Reform in Islam ................................................................. 3
ANT 311 Global Dreams and Local Realities in a “Flat” World ................................................................. 3
ANT 340 Development and Change in the Third World ................................................................. 3
ANT 350 Topics in Anthropology (Subtitle required) ................................................................. 3
ANT 351 Special Topics in 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

Area Concentrations

Africa and the Middle East

A-H 308 Studies in African Arts (Subtitle required) ................................................................. 3
A-H 527 Interdisciplinary Approaches (Subtitle required) ................................................................. 3
AIS 328 Islamic Civilization I ................................................................. 3
AIS 330 Islamic Civilization II ................................................................. 3
AIS 331 Classical Arabic Literature (Subtitle required) ................................................................. 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
FA 501 Arts-Study Tour* ................................................................. 3
FR 265 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ................................................................. 3
FR 350 Francophone Cultures (Subtitle required) ................................................................. 3
FR 465G Topics in French Literature and Culture in Translation (Subtitle required) ................................................................. 3
GER 352 German-Speaking Europe (Subtitle required) ................................................................. 3
GWS 250 Social Movements ................................................................. 3
HIS 512 European Social History, 1400-1800 ................................................................. 3
HIS 529 Women in Modern Europe ................................................................. 3
HIS 563 The History of Women in Latin America ................................................................. 3
JPN 451G Social Movements in Modern Japan ................................................................. 3
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence ................................................................. 3

PS 391 Special Topics in Political Science (Subtitle required) ................................................................. 3
PS 433G Politics of International Economic Relations ................................................................. 3
PS 435G Politics of International Economic Relations ................................................................. 3
SOC 380 Globalization: A Cross-Cultural Perspective ................................................................. 3
SOC 395 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

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

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<th>Course Title</th>
<th>Credits</th>
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<td>JPN 421G Contemporary Literary and Visual Arts of Japan</td>
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<tr>
<td>JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship</td>
<td>3</td>
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<tr>
<td>JPN 451G Social Movements in Modern Japan</td>
<td>3</td>
</tr>
<tr>
<td>JPN 461G Japanese Colonialism and Its Legacies</td>
<td>3</td>
</tr>
<tr>
<td>JPN 491G Japanese Landscapes</td>
<td>3</td>
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<td>MUS 330 Music in the World (Subtitle required)</td>
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<td>PS 417G Survey of Sub-Saharan Politics</td>
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**East, South, and Southeast Asia**

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<tr>
<td>A-H 310 Asian Art and Culture (Subtitle required)</td>
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<td>AIS 331 Classical Arabic Literature (in English)</td>
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<td>AIS 338 Women and Islam</td>
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<td>AIS 340 Fundamentalism and Reform in Islam</td>
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<td>AIS 345 Topics in Islamic Studies</td>
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<td>AIS 440 Introduction to the Quran</td>
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<td>ANT 327 Culture and Societies of India</td>
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<td>CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840</td>
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<td>GEO 365 Special Topics in Regional Geography (Subtitle required)</td>
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<td>GEO 405 Field Studies (Subtitle required)</td>
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<td>HIS 296 East Asia Since 1600</td>
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<td>HIS 593 East Asian History Since World War II</td>
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<td>HIS 598 China in Revolution, 1895-1976</td>
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<td>JPN 320 Introduction to Japanese Culture</td>
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<td>JPN 402 Pre-Modern Literary and Visual Arts of Japan</td>
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**Europe**

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<td>CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great</td>
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<td>CLA 230 The Hellenistic World and Rome to the Death of Constantine</td>
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<td>CLA 551 Greek Poetry and Drama (Subtitle required)</td>
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<td>ENG 340 Shakespeare</td>
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**JPN 421G Contemporary Literary and Visual Arts of Japan**
Latin America

GEO 324 Geography of Central and South America and the Caribbean 3
GEO 406G Field Studies (Subtitle required) 3
HIS 206 History of Colonial Latin America, 1492-1810 3
HIS 207 History of Modern Latin America, 1810 to Present 3
HIS 562 Modern Mexico 3
HIS 563 The History of Women in Latin America 3
PS 429G Latin American Government and Politics 3
PS 538 Conflict and Cooperation in Latin American Relations 3
SPA 314 Civilization of Spanish America 3
SPA 322 Literature, Life and Thought of Spanish America 3
SPA 361 Latin American Literature in Translation (Subtitle required) 3
SPA 371 Latin American Cinema (Subtitle required) 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) 3

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

Foreign Language – International Economics (FLIE)

Foreign Language – International Economics is a program of study that combines foreign language proficiency with training in economics. The FLIE major prepares students for employment in economic positions internationally. Students who choose the FLIE concentration are not required to complete the six hour Pathways requirement. The Language Competency requirement will also be complete with FLIE courses. Students will complete the Economics Core Requirement and one of the Language Core Concentrations.

Economics Core Requirement

STA 291 Statistical Methods ...................................................... 3
ECO 201 Principles of Economics I ............................ 3
ECO 202 Principles of Economics II .............................. 3
ECO 391 Economic and Business Statistics .................... 3
ECO 401 Intermediate Microeconomic Theory ............. 3
ECO 402 Intermediate Macroeconomic Theory ............. 3
ECO 300+ Any 300+ level ECO course ......................... 3

Plus two of the following:

ECO 471 International Trade .............................................. 3
ECO 472 International Monetary Economics ................ 3
ECO 473G Economic Development ................................ 3

Language Core Requirement

Choose one of the following language concentrations.

French

FR 307 French for Business and Economics .................. 3

Plus 14 hours from the following list:

FR 204 Introduction to French and Francophone Studies ....... 3
FR 310 French Phonetics ....................................................... 3
FR 350 Francophone Cultures (Subtitle required) † .......... 3
FR 470G Topical Seminar I (Subtitle required) ............... 3
FR 504 Topics in French Literature and Culture (Subtitle required) 3
FR 507 Interpretation and Style ........................................... 3
FR 550 France Today ......................................................... 3

German

GER 205 Reading and Writing Practice ............................. 2
GER 206 Spoken Communication ...................................... 3
GER 307 Intermediate German Composition and Conversation I .... 3
GER 310 German for International Business and Professions .... 3

Plus 12 hours from the following list:

GER 308 Intermediate German Composition and Conversation II .... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ... 3
GER 312 Introduction to German Literature: Popular Forms .......... 3
GER 317 History of German Culture ...................................... 3
GER 319 Contemporary German Literature and Culture ............ 3
GER 352 German-Speaking Europe (Subtitle required) ............ 3
GER 361 German Cinema ..................................................... 3
GER 363 Germanic Mythology ............................................. 3
GER 395 Independent Work in German ............................. 1-3
GER 415G Major German Authors (Subtitle required) ............ 3
GER 416G Genres of German Literature .............................. 3
GER 420G Special Studies in German Literary and Cultural History (Subtitle required) ........ 3
GER 507 Advanced German Composition and Conversation ....... 3

Japanese

JPN 202 Intermediate Japanese II ....................................... 4
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .... 3
JPN 334 Environment, Society and Economy of Japan ............ 3

Plus 12 hours from the following list:

A-H 310 Asian Art and Culture (Subtitle required) ............ 3
COM 525 Organizational Communication ......................... 3
GEO 333 Geography of East Asia ..................................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required) .. 3

French

ECO 300+ Any 300+ level ECO course ......................... 3

Russian

RUS 271 Russian Culture 1900-Present ......................... 3
RUS 301 Advanced Intermediate Russian I ........................ 3
RUS 302 Advanced Intermediate Russian II ........................ 3

Plus one of the following courses:

RUS 380 Nineteenth Century Russian Literature (in English) ........ 3

Japanese

RUS 390 Russian Literature 1900-Present ..................... 3

Plus 9 hours from the following list:

ANT 432 Anthropology of Eastern Europe and Russia .............. 3
HIS 385 History of Russia to 1825 ..................................... 3
HIS 386 History of Russia Since 1825 ............................... 3
HIS 389 Russia in the 19th Century ................................... 3
HIS 353 Russia in the 20th Century ................................... 3
HIS 356 Intellectual and Cultural History of Russia to 1800 ........ 3
HIS 357 Intellectual and Cultural History of Russia from 1800 to the Present ........ 3

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RUS 370 Russian Folklore (in English) ....................... 3
RUS 375 Seminar in Russian Film .................................. 3
RUS 460D Major Russian Writers
(Subtitle required) ..................................................... 3
RUS 463 Russian Film and Theatre
(Subtitle required) ..................................................... 3
RUS 499 Russian Studies Capstone Seminar
(Subtitle required) ..................................................... 3
RUS 501 Structure of Russian .......................................... 3
RUS 502 Structure of Russian .......................................... 3

Spanish
SPA 210 Spanish Grammar and Syntax ....................... 3
SPA 211 Intermediate Spanish Conversation ................. 3
SPA 302 Commercial and Technical Spanish ................. 3
SPA 300+ Any 300+ level SPA course ......................... 3
SPA 300+ Any 300+ level SPA course ......................... 3
SPA 300+ Any 300+ level SPA course ......................... 3
SPA 300+ Any 300+ level SPA course ......................... 3

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 the 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.

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 119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .................. 3

College Requirements
1. Foreign Language (placement exam recommended, completed by Major Requirements) ...... 0-14

II. Disciplinary Requirements
a. Natural Science ...................................................... 6
b. Social Science (can be completed with Major Requirements) ............................... 6
c. Humanities (can be completed with Major Requirements) ............................... 6

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

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

Subtotal: College Hours: ...................... 25-39

Major Requirements
Pathway Courses*
Complete six credit hours from the following list. Courses must be from two departments:
A-H 103 World Art .................................................. 3
ANT 130 Introduction to Comparative Religion ............ 3
ANT 160 Cultural Diversity in the Modern World ........ 3
GEO 152 Regional Geography of the World ............... 3
GEO 160 Lands and Peoples of the Non-Western World .. 3
HIS 104 A History of Europe 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 212 Culture and Politics in the Third World ........... 3
PS 235 World Politics ............................................... 3
TA 171 World Theatre I ........................................... 3

*Students choosing the FLIE concentration are not required to complete the Pathway courses.

Language Competency*
Complete the fourth semester in one language AND
Two semesters in a second language ......................... 6-8

OR
Two additional semesters in the same language ............. 6

*Students choosing the FLIE concentration will automatically meet the Language Competency requirement.

Capstone Senior Project
Complete the following course:
INT 495 International Studies Research Project ........ 3

Thematic and Area Concentrations
Complete one of the following:
1. Fifteen credit hours with a thematic concentration and twelve credit hours with an area concentration .................................................. 27
2. Fifteen credit hours with an area concentration and twelve credit hours with a thematic concentration .................................................. 27

OR
3. Foreign Languages and International Economics (FLIE) .......................... 39-41

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

International Relations
The International Relations concentration focuses on how states and institutions interact in a global environment. Sources of global conflict, international non-government organizations, international crisis resolution, and international sovereignty are examined.

ANT 311 Global Dreams and Local Realities in a “Flat” World .......................... 3
ANT 532 Anthropology of the State .................................. 3
GEO 442G Political Geography .................................. 3
HIS 355 Topics in Non-Western History Since 1789 .... 3
HIS 551 Foreign Policies of Middle East States ............... 3
HIS 574 The Diplomacy and Foreign Policy of the United States to 1919 .......... 3
HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919 .... 3
PS 391 Special Topics in Political Science (Subtitle required)* ................. 3
PS 410 Topics in Regional Politics (Subtitle required)* ......................... 3
PS 427G East European Politics ...................................... 3
PS 430G The Conduct of American Foreign Relations .... 3
PS 431G National Security Policy ..................................... 3
PS 433G Politics of International Economic Relations .... 3
PS 436G International Organization .................................. 3
PS 437G Dynamics of International Law .......................... 3
PS 439G Special Topics in International Relations (Subtitle required) ................ 3
SOC 444 Topics in Political Sociology (Subtitle required)* ......................... 3

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

A-H 308 Studies in African Arts (Subtitle required) .......... 3
A-H 310 Asian Art and Culture (Subtitle required) .......... 3
A-H 323 Medieval (Subtitle required) ............................. 3
A-H 334 Reframing Renaissance Art (Subtitle required) ................. 3
A-H 350 Contemporary ............................................... 3
A-H 527 Interdisciplinary Approaches (Subtitle required)* ................. 3
AIS 328 Islamic Civilization I ........................................ 3
AIS 330 Islamic Civilization II ....................................... 3
AIS 331 Classical Arabic Literature (in English) ............... 3
AIS 435 Topics in Islamic Studies (Subtitle required)* ................. 3
AIS 440 Introduction to the Quran ................................... 3
ANT 241 Origins of Old World Civilization ...................... 3
ANT 242 Origins of New World Civilization .......... 3
ANT 311 Global Dreams and Local Realities in a “Flat” World ............ 3
ANT 320 Andean Civilization ....................................... 3
ANT 322 Ancient Mexican Civilizations ......................... 3
ANT 324 Contemporary Latin American Cultures .............. 3
ANT 326 People and Cultures of Sub-Saharan Africa ...... 3
ANT 327 Culture and Societies of India ......................... 3

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<td>MCL 270</td>
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<td>MCL/SPA 300</td>
<td>Contact Zones: Cultivating Intercultural Competence</td>
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<td>Islamic and Jewish Philosophy and the Classical</td>
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<td>SPA 400</td>
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<td>Spanish Literature of the 20th Century</td>
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<td>SPA 474</td>
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<td>SPA 480</td>
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<td>Global Poverty: Responses Across Cultures</td>
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<td>TA 271</td>
<td>World Theatre II</td>
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<td>TA 273</td>
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<td>TA 274</td>
<td>World Theatre IV</td>
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<td>TA 485</td>
<td>French Theatre: Culture, Text and Performance</td>
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<td>TA 584</td>
<td>Asian Theatre</td>
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<td>TA 585</td>
<td>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.</td>
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</table>

**Global Environment**

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

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subtitle Required</th>
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<tbody>
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<td>ANT 311</td>
<td>Global Dreams and Local Realities in a “Flat” World</td>
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<td>ANT 332</td>
<td>Human Evolution</td>
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<td>ANT 375</td>
<td>Ecology and Social Practice</td>
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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
ECON 465G Comparative Economic Systems* 3
ECON 471 International Trade* 3
ECON 473G Economic Development* 3
FIN 423 International Finance* 3
FIN 465G Comparative Economic Systems* 3
Agricultural Marketing 3

PS 437G Dynamics of International Law 3
PS 391 Special Topics in Political Science (Subtitle required)* 3
PS 433G Dynamics of International Law 3
SAG 201 Cultural Perspectives on Sustainability 3
SAG 490 Integration of Sustainable Agriculture Principles 3
SPA 312 Civilization of Spain 3
SPA 314 Civilization of Spanish America 3
*ThesubtitleforthiscoursemustdirectlyrelatetotheGlobalEnvironmentConcentration. Youmustcheckwiththe IS director or advisor for verification prior to taking the course.

International Development

International Development concentration focuses on the developing world and examines development in relation to socio-political and socio-economic growth.

ANT 311 Global Dreams and Local Realities in a “Flat” World 3
ANT 338 Economic Anthropology 3
ANT 340 Development and Change in the Third World 3
ANT 350 Topics in Anthropology (Subtitle required)* 3
ANT 351 Special Topics in Archaeology (Subtitle required)* 3
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 490 Anthropological Research Methods ....... 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
ECO 222 Cities of the World 3
GEO 235 Environmental Management and Policy 3
GEO 255 Geography of the Global Economy 3
GEO 251 Japanese Multinational Corporations 3
GER 310 German for International Business 3

Area Concentrations

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

Africa and the Middle East

A-H 308 Studies in African Arts (Subtitle required) .... 3
A-H 527 Interdisciplinary Approaches (Subtitle required)* 3
AIS 328 Islamic Civilization I 3
AIS 330 Islamic Civilization II 3
AIS 331 Classical Arabic Literature (Subtitle required)* 3
AIS 435 Topics in Islamic Studies (Subtitle required)* 3
ANT 326 People and Cultures of Sub-Saharan Africa 3
ANT 350 Topics in Anthropology (Subtitle required)* 3
A-H 527 Interdisciplinary Approaches (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
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) 3
FR 350 Francophone Cultures (Subtitle required)* 3
GEO 326 Geography of the Middle East and North Africa 3
GEO 336 Geography of Sub-Saharan Africa 3
GEO 248 History of Islam and Middle East Peoples, 500-1250 AD 3
GEO 251 Japanese Multinational Corporations 3
GEO 255 Geography of the Global Economy 3
GEO 255 Geography of the Global Economy 3
HIS 248 History of Islam and Middle East Peoples, 500-1250 AD 3
HIS 254 History of Sub-Saharan Africa 3
HIS 355 Topics in Non-Western History Since 1789* 3
College of Arts and Sciences

HIS 548 History of the Middle East: 1453-1920 ................................. 3
HIS 549 History of the Middle East: 1922 to Present .......................... 3
HIS 550 Studies in the Mid-East History and Politics (Subtitle required) 3
HIS 551 Foreign Policies of Middle East States ................................. 3
HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages ................................. 3
HIS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present ................................. 3
HIS 327 Women in Judaism .......................................................... 3
HIS 425 Topics in Judaic Studies (Subtitle required) .......................... 3
MUS 330 Music in the World (Subtitle required)* ............................. 3
PHI 343 Asian Philosophy .......................................................... 3
PS 410 Topics in Regional Politics (Subtitle required)* ......................... 3
PS 417G Survey of Sub-Saharan Politics ................................. 3

The subtitle for this course must directly relate to the Africa and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.

East, South, and Southeast Asia
A-H 310 Asian Art and Culture (Subtitle required) ............................. 3
A-H 527 Interdisciplinary Approaches (Subtitle required)* ..................... 3
AIS 328 Islamic Civilization I ...................................................... 3
AIS 330 Islamic Civilization II ..................................................... 3
AIS 331 Classical Arabic Literature (in English) .................................. 3
AIS 338 Women and Islam .......................................................... 3
AIS 340 Fundamentalism and Reform in Islam .................................. 3
AIS 435 Topics in Islamic Studies (Subtitle required)* ........................... 3
AIS 440 Introduction to the Quran .................................................. 3
ANT 327 Culture and Societies of India ........................................... 3
ANT 350 Topics in Anthropology (Subtitle required)* .......................... 3
ANT 351 Special Topics in Archaeology (Subtitle required)* ..................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* ............. 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* .................. 3
CHI 320 Gender Politics in Chinese Literature ..................................... 3
CHI 321 Introduction to Contemporary Chinese Film .......................... 3
CHI 330 Introduction to Chinese Culture, Pre-Moder ........................... 3
CHI 331 Introduction to Chinese Culture, 1840 to Present ..................... 3
CHI 430 Popular Culture in Modern China ....................................... 3
FA 501 Arts-Study Tour* .................................................................. 3
GEO 330 Geography of the Indian Subcontinent ................................. 3
GEO 332 Geography of Southeast Asia ............................................. 3
GEO 333 Geography of East Asia ................................................... 3
GEO 334 Environment, Society and Economy of Japan ......................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required)* ............. 3
GEO 406 Field Studies (Subtitle required)* ........................................ 1-9
HIS 295 East Asia to 1800 ............................................................ 3
HIS 296 East Asia Since 1600 ....................................................... 3
HIS 355 Topics in Non-Western History Since 1789* ............................ 3
HIS 593 East Asian History Since World War II ................................... 3
HIS 598 China in Revolution, 1895-1976 ......................................... 3
JPN 320 Introduction to Japanese Culture Pre-Moder ............................. 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present ............... 3
JPN 334 Environment, Society and Economy of Japan ......................... 3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) .............. 3
JPN 420G Pre-Modern Literary and Visual Arts of Japan ...................... 3
JPN 421G Contemporary Literary and Visual Arts of Japan ..................... 3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship 3
JPN 451G Social Movements in Modern Japan ................................... 3
JPN 461G Japanese Colonialism and Its Legacies .................................. 3
JPN 491G Japanese Landscapes .................................................... 3
JPN 551 Japanese Multinational Corporations (Subtitle required)* .............. 3
MUS 330 Music in the World (Subtitle required)* ................................. 3
PHI 343 Asian Philosophy .......................................................... 3
PS 410 Topics in Regional Politics (Subtitle required)* ........................... 3
PS 419G The Governments and Politics of Eastern Asia ....................... 3
PS 420G Governments and Politics of South Asia ............................... 3
TA 584 Asian Theatre .................................................................... 3

The subtitle for this course must directly relate to the East, South, and Southeast Concentration. You must check with the IS director or advisor for verification prior to taking the course.

Europe
A-H 334 Reframing Renaissance Art (Subtitle required) ......................... 3
A-H 527 Interdisciplinary Approaches (Subtitle required)* ......................... 3
ANT 350 Topics in Anthropology (Subtitle required)* ........................... 3
ANT 351 Special Topics in Archaeology (Subtitle required)* ..................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* ......... 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* ......... 3
CLA 210 The Art of Greece and Rome ................................................. 3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great 3
CLA 230 The Hellenistic World and Rome to the Death of Constantine .......... 3
CLA 261 Literary Masterpieces of Greece and Rome ................................ 3
CLA 301 Latin Literature I (Subtitle required) ...................................... 3
CLA 302 Latin Literature II (Subtitle required) ..................................... 3
CLA 315 Gender and Sexuality in Antiquity ....................................... 3
CLA 322 Greek and Roman Religion ................................................ 3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE ........... 3
CLA 391 Christians in the Roman Empire ........................................... 3
CLA 450G Special Topics in Classical Studies (Subtitle required) .................. 3
CLA 462G Topics in Classical Literature (Subtitle required) ...................... 3
CLA 463 Topics in Greek and Latin Literature (Subtitle required) .............. 3
CLA 509 Roman Law ..................................................................... 3
CLA 524 The Latin Literature of the Republic (Subtitle required) ................. 3
CLA 525 The Latin Literature of the Empire (Subtitle required) ................. 3
CLA 528 Late Antike and Post-Imperial Latin Literature (Subtitle required) .... 3
CLA 551 Greek Poetry and Drama (Subtitle required) ............................. 3
CLA 555 Greek Prose (Subtitle required) ........................................... 3
ENG 261 Survey of Western Literature from the Greeks through the Renaissance 3
ENG 262 Survey of Western Literature from 1660 to the Present ................ 3
ENG 330 Text and Context (Subtitle required) ..................................... 3
ENG 331 Survey of British Literature I .............................................. 3
ENG 332 Survey of British Literature II ............................................. 3

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

College of Arts and Sciences
Latin America

GEO 324 Geography of Central and South America and the Caribbean ........................................ 3  
GEO 406G Field Studies (Subtitle required)* ........................................................... 3  
HIS 206 History of Colonial Latin America, 1492-1810 .......................................................... 3  
HIS 207 History of Modern Latin America, 1810 to Present .............................................. 3  
HIS 562 Mexico ................................................. ....................................................... 3  
HIS 563 The History of Women in Latin America .............................................................. 3  
PS 428G Latin American Government and Politics .............................................................. 3  
PS 538 Conflict and Cooperation in Latin American Relations ........................................... 3  
SPA 314 Civilization of Spanish America ................................................................. 3  
SPA 322 Literature, Life and Thought of Spanish America .................................................. 3  
SPA 361 Latin American Literature in Translation (Subtitle required)* ................................ 3
SPA 371 Latin American Cinema (Subtitle required) ............................................................... 3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)* .................. 3
The subtitle for this course must directly relate to the Europe Concentration. You must check with the IS director or advisor for verification prior to taking the course.

Russia and Eurasia

A-H 527 Interdisciplinary Approaches (Subtitle required)* .................................................. 3
ANT 350 Topics in Anthropology (Subtitle required)* .......................................................... 3
ANT 351 Special Topics in Archaeology (Subtitle required)* ............................................... 3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)* .................................. 3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)* .............. 3
ANT 432 Anthropology of Eastern Europe and Russia .......................................................... 3
FA 501 Arts-Study Tour* ................................................................................................. 3
GEO 329 Geography of the Former Soviet Union .............................................................. 3

Foreign Language – International Economics (FLIE)

GEO 365 Special Topics in Regional Geography (Subtitle required) ......................................... 3
HIS 355 Topics in Non-Western History Since 1789* ............................................................. 3
HIS 385 History of Russia to 1825 ...................................................................................... 3
HIS 386 History of Russia Since 1825 .................................................................................. 3
HIS 534 Russia in the 19th Century ...................................................................................... 3
HIS 535 Russia in the 20th Century ...................................................................................... 3
HIS 536 Intellectual and Cultural History of Russia to 1800 .................................................. 3
HIS 537 Intellectual and Cultural History of Russia From 1800 to the Present ..................... 3
PS 410 Topics in Regional Politics (Subtitle required)* ....................................................... 3
PS 427G East European Politics ......................................................................................... 3
PS 429G Government and Politics in Russia and the post-Soviet States ................................. 3
RUS 261 Introduction to Russian Studies .............................................................................. 3
RUS 270 Russian Culture 900-1900 .................................................................................... 3
RUS 271 Russian Culture 1900-Present .............................................................................. 3
RUS 370 Russian Folklore (in English) ................................................................................ 3
RUS 375 Russian Film ......................................................................................................... 3
RUS 380 Nineteenth Century Russian Literature (in English) ............................................ 3
RUS 381 Russian Literature 1900-Present (in English) .......................................................... 3
RUS 400G Russian Cultural Studies (Subtitle required) ....................................................... 3
RUS 460G Major Russian Writers (Subtitle required) ............................................................ 3
RUS 463 Russian Film and Theatre (Subtitle required) ........................................................... 3
FR 504 Topics in French Literature and Culture (Subtitle required) ...................................... 3
FR 507 Interpretation and Style ......................................................................................... 3
FR 550 France Today ......................................................................................................... 3

German

GER 205 Reading and Writing Practice ..................................................................................... 2
GER 206 Spoken Communication .......................................................................................... 3
GER 307 Intermediate German Composition and Conversation ........................................ 3
GER 310 German for International Business and Professions ............................................ 3
Plus 12 hours from the following list:

GER 308 Intermediate German Composition and Conversation II ..................................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ................................ 3
GER 312 Introduction to German Literature: Popular Forms ............................................... 3
GER 317 History of German Culture ...................................................................................... 3
GER 319 Contemporary German Literature and Culture ..................................................... 3
GER 352 German-Speaking Europe (Subtitle required) .......................................................... 3
GER 361 German Cinema ...................................................................................................... 3
GER 363 Germanic Mythology .............................................................................................. 3
GER 395 Independent Work in German .............................................................................. 1-3
GER 415G Major German Authors (Subtitle required) ............................................................ 3
GER 416G Genres of German Literature ............................................................................... 3
GER 420G Special Studies in German Literary and Cultural History (Subtitle required) ........ 3
GER 507 Advanced German Composition and Conversation .............................................. 3

Japanese

JPN 202 Intermediate Japanese II ......................................................................................... 4
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present ......................................... 3
JPN 334 Environment, Society and Economy of Japan ....................................................... 3

Plus 12 hours from the following list:

A-H 310 Asian Art and Culture (Subtitle required) ................................................................. 3
COM 525 Organizational Communication ............................................................................. 3
GEO 333 Geography of East Asia ......................................................................................... 3
GEO 365 Special Topics in Regional Geography (Subtitle required) ...................................... 3
GEO 406G Field Studies (Subtitle required) .......................................................................... 1-9
HIS 295 East Asia to 1800 .................................................................................................... 3
HIS 296 East Asia Since 1600 .............................................................................................. 3
JPN 200+ Any 200+ level JPN courses ............................................................................... 3
PS 419G The Governments and Politics of Eastern Asia ...................................................... 3

Russian

RUS 271 Russian Culture 1900-Present ................................................................................. 3
RUS 301 Advanced Intermediate Russian I .......................................................................... 3
RUS 302 Advanced Intermediate Russian II ......................................................................... 3

Plus one of the following courses:

RUS 380 Nineteenth Century Russian Literature (in English) ............................................. 3
RUS 381 Russian Literature 1900-Present (in English) ........................................................... 3

Plus 9 hours from the following list:

ANT 432 Anthropology of Eastern Europe and Russia .......................................................... 3
HIS 385 History of Russia to 1825 ......................................................................................... 3
HIS 386 History of Russia Since 1825 .................................................................................. 3
HIS 534 Russia in the 19th Century ...................................................................................... 3
HIS 535 Russia in the 20th Century ...................................................................................... 3
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 119.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .......... 3

College Requirements

I. Foreign Language (completed by Premajor Requirements)

II. Disciplinary Requirements
   a. Natural Science ................................................. 6
   b. Social Science ................................................. 6
   c. Humanities (completed by Major Requirements) 1
   d. Lab or Field Work ............................................. 1
   e. 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

Bachelor of Science with a major in LINGUISTICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a LIN prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

UK Core Requirements

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

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

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

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

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

V. Composition and Communication
CIS/WRD 110 Composition and Communication I ........ 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
   d. Lab or Field Work ............................................. 1
   e. 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
Minor in Linguistics
The minor in linguistics requires 18 hours of course work to be selected as follows:
1. ENG/LIN 211
2. ENG/LIN 212

Major Area Courses (6 hours):
Choose from: LIN 509, ENG/LIN 515, ENG/LIN 516, ENG/LIN 512, EDC/ENG/LIN 513.

To make up the total of 18 hours, choose two courses from among the remaining LIN courses, including any of those listed above.

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 mathematics and economics 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 relies on mathematical economics as well as knowledge of basic economic principles.

There is currently a serious shortage of individuals who have sufficient training in mathematics and economics 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.
Major Requirements
Mathematics Core Requirements
MA 213 Calculus III ..................................................... 4
MA 214 Calculus IV ..................................................... 3
MA 320 Introductory Probability .................................. 3
MA 322 Matrix Algebra and its Applications ............... 3
Mathematics Core hours: ............................................. 13

Economics Core Requirements
ECO 201 Principles of Economics I ............................... 3
ECO 202 Principles of Economics II ............................. 3
ECO 391 Economic and Business Statistics .................. 3
ECO 401 Intermediate Microeconomic Theory .............. 3
ECO 402 Intermediate Macroeconomic Theory ............. 3
Economics Core hours: ................................................. 15

Other Course Work Required for the Major
For the Mathematics Component:
Choose one of the following sequences: MA 416G and MA 417G, MA 471G and MA 472G, or STA 524 and STA 525 ...................................................... 6
For the Economics Component
Choose nine hours of 300+ level economics courses ................................................... 9
For the Statistics Component
Choose STA 291 or a higher level statistics course ......... 3
Other Major hours: ....................................................... 18

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

Total Minimum Hours Required for Degree .................. 120
*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in
MATHEMATICAL ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ECO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

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

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.

MATHMATICS

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
MATHMATICS

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 119.

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 .................................................................................. 31

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

Graduation Writing Requirement Hours: ................................. 3

College Requirements
I. Foreign Language (placement exam recommended) ................. 0-14
II. Disciplinary Requirements
  a. Natural Science ........................................................................ 6
  b. Social Science ........................................................................ 6
  c. Humanities ............................................................................... 6
III. Laboratory or Field Work ............................................................... 1
IV. Electives ...................................................................................... 6
College Requirement hours: ............................................................ 25-39

OPTION A - Mathematics

Premajor Requirements
*MA 113 Calculus I ................................................................. 4
MA 114 Calculus II ............................................................... 4
CS 115 Introduction to Computer Programming .................... 3
Premajor hours: ................................................................. 11

Major Requirements
Major Core Requirements
MA 213 Calculus III ............................................................... 4
MA 214 Calculus IV ................................................................. 3
or
MA 261 Introduction to Number Theory .......................... 3
MA 322 Matrix Algebra and its Applications .................. 3
Major Core hours: ................................................................. 29

Other Course Work Required for the Major
From the Major Department:
Choose six 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 119-120.

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

OPTION B - Mathematical Sciences

Premajor Requirements
*MA 113 Calculus I ................................................................. 4
*MA 137 Calculus I with Life Science Applications ............... 4
MA 114 Calculus II ................................................................. 3
or
MA 138 Calculus II with Life Science Applications ............... 4
CS 115 Introduction to Computer Programming .................. 3
Premajor hours: ................................................................. 11

Major Requirements
Major Core Requirements
CS 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
STA 321 Basic Statistical Theory I ........................................ 3
plus a two-semester sequence chosen from the following:
  MA/CS 340 Applicable Algebra
  MA/CS 415G Combinatorics and Graph Theory
  MA 432 Methods of Applied Mathematics I
  MA 433G Introduction to Complex Variables
  MA 481G Differential Equations
  MA/CS 415G Combinatorics and Graph Theory
  MA/CS 340 Applicable Algebra
  MA/CS 415G Combinatorics and Graph Theory

Other Course Work Required for the Major
From the Major Department:
Choose six 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 119-120.

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

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: ............................................................ 31

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

Graduation Writing Requirement Hours: ................................. 3

College Requirements
I. Foreign Language (placement exam recommended) ................. 0-14
II. Disciplinary Requirements
  a. Natural Science ........................................................................ 3
  b. Social Science ........................................................................ 3
  c. Humanities ............................................................................... 3
III. Laboratory or Field Work ............................................................... 1
IV. Electives ...................................................................................... 6
College Requirement hours: ............................................................ 31

OPTION A - Mathematics

Premajor Requirements
*MA 113 Calculus I ................................................................. 4
MA 114 Calculus II ............................................................... 4
CS 115 Introduction to Computer Programming .................... 3
Premajor hours: ................................................................. 11

Major Requirements
Major Core Requirements
MA 213 Calculus III ............................................................... 4
MA 214 Calculus IV ................................................................. 3
or
MA 261 Introduction to Number Theory .......................... 3
MA 322 Matrix Algebra and its Applications .................. 3
Major Core hours: ................................................................. 29

Other Course Work Required for the Major
From the Major Department:
Choose six 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 119-120.

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
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: ................................................. 14

OPTION B - Mathematical Sciences

NOTE: At the time of publication, Option B of the B.S. in Mathematics program was provisionally revised; formal approval is expected in Fall 2012.

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

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

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

plus a two-semester sequence chosen from the following:
MA/CS 340 Applicable Algebra
and
MA/CS 415G Combinatorics and Graph Theory
and
MA 432G Methods of Applied Mathematics
and
MA 433G Introduction to Complex Variables
and
MA 481G Differential Equations
and
MA 483G Introduction to Partial Differential Equations
MA/CS 416G Principles of Operations Research I
and
MA/STA 417G Principles of Operations Research II .... 6

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

Other Course Work Required for the Major

From the Major Department:
Choose six 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

*Mathematics Cooperative Education

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

Minor in Mathematics
Students who minor in mathematics must complete the following:

1. MA 113/114 Calculus I and II ............................. 8
   or equivalent
2. MA 213 Calculus III ........................................... 4
   or equivalent
3. MA 322 Matrix Algebra and its Applications .... 3
   or equivalent
4. MA 322 Matrix Algebra and its Applications .... 3

Minor in Mathematics:

A minor in mathematics must complete the following:

- MA 113/114 Calculus I and II and
- MA 213 Calculus III

Other Course Work Required for the Major

From the Major Department:

Choose six 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.
The Division of Classics offers a Bachelor of Arts and a Bachelor of Science degree in Classics. The division teaches a broad range of courses in the languages, literature, history, art, and thought of the Greco-Roman world, and encourages majors to take relevant courses in other departments and disciplines as part of their major. Access the division’s Web site at: mclas.uky.edu/classics for more information.

Bachelor of Arts with a major in Classics

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ........ 3

College Requirements

I. Foreign Language (completed by Major Requirements)

II. Disciplinary Requirements

a. Natural Science ............................................. 6

b. Social Science ............................................. 6

c. Humanities (completed by Major Requirements)

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

IV. Electives .................................................... 8

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

Premajor Requirements

CLA 101 and 102 Elementary Latin

or equivalent

OR

CLA 151 and 152 Elementary Greek

or equivalent ............................................. 8

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

Major Requirements

Courses Within Classics

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent. Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA. (CLA 201/202 and CLA 251/252 contribute to this total.)

CLASICS Courses hours: ......................... 18

Courses Outside of Classics

Complete 15 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

Non-Classics Courses hours: ...................... 15

Additional Courses (Elective)

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

Additional Courses hours: ......................... 9

Upper Level Requirement

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

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

Explanation of Major Requirements

At the discretion of the student’s advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy, and art history.

The Major requirements in Classics are fully satisfied if a student has:

1. Completed the Premajor Requirement.

2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).

3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.

4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.

5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.

6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ............................................. 18

Total Minimum Hours Required for Degree .................. 120
Graduation Writing Requirement
After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

Graduation Writing Requirement Hours: ….. 3

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

College Requirement hours: ………………….. 13

Premajor Requirements
CLA 101 and 102 Elementary Latin or equivalent
OR
CLA 151 and 152 Elementary Greek or equivalent ................................................... 8
Premajor hours: …........................................... 8

Major Requirements
Courses Within Classics
Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent. Complete 18 courses in courses at the 200 level or above with a CLA prefix or cross-listed CLA. (CLA 201/202 and CLA 251/252 contribute to this total.)

Classics Courses hours: ………………….. 18

Courses Outside of Classics
Complete 15 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

Non-Classics Courses hours: ………………….. 15

Additional Courses (Elective)
Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

Additional Courses hours: ………………….. 9

Upper Level Requirement
At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 must be hours in courses at the 300 level or above.

Major hours: …........................................... 42

Explanation of Major Requirements
At the discretion of the student’s advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy and art history.

The Major requirements in Classics are fully satisfied if a student has:
1. Completed the Premajor Requirement.
2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).
3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.
4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.
5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.
6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ………………….. 21

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

Minor in Classics
The requirements for a classics minor are 18 credit hours, at least six of which must be at the 300 level or above, earned from among the following courses:
1. Greek and Latin courses at any level.
2. Non-language courses taught by the division that are numbered 200 or higher.

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.

FRENCH
French and Francophone literature and culture have influenced in crucial ways the formation of European, American, African and Caribbean thought and society. The UK Bachelor of Arts and Bachelor of Science degree in French situate students at the intersection of these cultures through exploration of their diverse literary, linguistic, social and philosophical traditions. The larger mission of this major is to prepare students to live and work in a global environment in which expert knowledge of other languages and cultures have become indispensable tools for success. For more information, visit the Division of French and Italian web site: mel.as.uky.edu/french-italian

Bachelor of Arts with a major in FRENCH

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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

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

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

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

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

V. Composition and Communication I
Choose one course from approved list ………………….. 3

VI. Composition and Communication II
Choose one course from approved list ………………….. 3

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

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

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

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

UK Core Hours ……………………………………….. 30

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

Graduation Writing Requirement Hours: ….. 3

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

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

Premajor Requirements
FR 204 Introduction to French and Francophone Studies ………………….. 3
FR 214 France Today ……………………………………….. 3
FR 215 Visual Cultures ……………………………………….. 3
Premajor hours: ……………………………………….. 6

Major Requirements
Fifteen hours from the following courses:
FR 310 French Phonetics ……………………………………….. 3
FR 311 Introduction to French Linguistics ……………………………………….. 3
FR 324 Studies in French Literature (Subtitle required) ……………………………………….. 3
FR 325 French Cinema (Subtitle required) ……………………………………….. 3
FR 344 The Literary Text (Subtitle required) ……………………………………….. 3
FR 330 Francophone Cultures (Subtitle required) ……………………………………….. 3
plus:
FR 410 French in Performance ……………………………………….. 3
FR 425 Media Studies ……………………………………….. 3
FR 470G Topical Seminar I (Subtitle required) ……………………………………….. 3
FR 471G Topical Seminar II (Subtitle required) ……………………………………….. 3
FR 495 Senior Paper ……………………………………….. 1
plus one course 200-level or above from French (including courses in English) or outside French, excluding language courses at the 100 or 200 level ……………………………………….. 3

Major hours: ……………………………………….. 28
Other Course Work Required for the Major

From Outside the Major
Choose minimum 14 hours outside French at the 300+ level. Courses are generally selected from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, Chinese, economics, English, German, Greek, geog- raphy, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies......14

Other Major hours: ......................... 14

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

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

Bachelor of Science with a major in
FRENCH

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a FR prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: ........ 3

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

College Requirement hours: ................. 13

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

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

Major Requirements
Fifteen hours from the following courses:
FR 310 French Phonetics ................................ 3
FR 311 Introduction to French Linguistics .......... 3
FR 324 Studies in French Literature
(Subtitle required) ................................. 3
FR 325 French Cinema (Subtitle required) ........ 3
FR 344 The Literary Text (Subtitle required) ....... 3
FR 350 Francophone Cultures (Subtitle required) .... 3
plus:
FR 410 French in Performance
or
FR 425 Media Studies .............................. 3
FR 470G Topical Seminar I (Subtitle required) .... 3
FR 471G Topical Seminar II (Subtitle required) .... 3
FR 495 Senior Paper .................................. 1
plus one course 200-level or above from French (including courses in English) or outside French, excluding language courses at the 100 or 200 level........................................ 3

Major hours: .............................................. 28

Other Course Work Required for the Major
From Outside the Major
Choose minimum 14 hours outside French at the 300+ level. Courses are generally selected from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, Chinese, economics, English, German, Greek, geog- raphy, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies .... 14

Other Major hours: .................................. 14

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation................................. 14

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

Minor in French
The minor in French consists of a minimum of 18 hours in French language and literature courses beyond FR 202 and excluding FR 553 and literature courses in translation.
FR 204 Introduction to French
and Francophone Studies ......................... 3
FR 214 France Today
or
FR 215 Visual Cultures............................. 3
Plus twelve hours at the 300, 400, or 500 level (excluding FR 553 and courses in translation).

GERMAN STUDIES
The primary aims of the Division of German Studies are to help students develop their German language skills and gain an understanding of the literature and culture of the German-speaking countries. Students majoring in German earn the Bachelor of Arts or Bachelor of Science degree. For more information, visit the Division of German Studies on the Web at:
www.uky.edu/german-studies

Bachelor of Arts with a major in
GERMAN

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .... 3

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

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

Premajor Requirements
GER 202 Intermediate German ................. 3
GER 206 Spoken Communication ............... 3
Premajor hours: ................................ 6

Major Requirements
Major Core Requirements
GER 307 Intermediate German Composition and Conversation I .................................. 3
GER 308 Intermediate German Composition and Conversation II ....................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ............ 3
GER 312 Introduction to German Literature: Popular Forms ......................... 3
GER 495 German Studies Capstone ............. 1

Major Core hours: ................................ 13

Other Course Work Required for the Major
From the Major: .................................. 12-15
Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

From Outside the Major
Choose 15-18 hours outside German at the 200+ level from the following areas: anthropology, Arabic and Islamic studies, art history, Chinese, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women’s studies. 200+ level courses used to satisfy College requirements can also be counted here .... 15-18

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

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................ 19

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

Bachelor of Science with a major in
GERMAN

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GER prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .... 3

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

College Requirement hours: .................. 13

Premajor Requirements
GER 202 Intermediate German ................. 3
GER 206 Spoken Communication ............... 3
Premajor hours: ................................ 6

Major Requirements
Major Core Requirements
GER 307 Intermediate German Composition and Conversation I .................................. 3
GER 308 Intermediate German Composition and Conversation II ....................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) ............ 3
GER 312 Introduction to German Literature: Popular Forms ......................... 3
GER 495 German Studies Capstone ............. 1

Major Core hours: ................................ 13

Other Course Work Required for the Major
From the Major: .................................. 12-15
Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

From Outside the Major
Choose 15-18 hours outside German at the 200+ level from the following areas: anthropology, Arabic and Islamic studies, art history, Chinese, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women’s studies. 200+ level courses used to satisfy College requirements can also be counted here .... 15-18

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

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................ 19

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

Minor in German
The minor in German Studies consists of a minimum of 18 hours in German language, culture, and literature courses in addition to the proficiency level gained by completion of GER 202. This level may be documented either by completing the relevant sequence of courses or by placement exam.

Required courses include:
GER 206 Spoken Communication ............... 3
and
Course work at the 300 level or above, including GER 307/308 ............................ 15
Arabic and Islamic Studies

Minor in Islamic Studies

The interdisciplinary minor in Islamic Studies provides the opportunity to study the culture, language, literature, religion, history and philosophy of Islam throughout the world from antiquity to the present. Students will acquire a rounded understanding of Islamic culture, the ability to interpret information and news from the Middle East and elsewhere in an independent way, with understanding of the issues from the perspective of the Muslim countries, and will be prepared to pursue careers that require a knowledge of Islamic civilization. For more information, visit http://mcl.as.uky.edu/islamic-studies.

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

1. Minor Requirements (6 hours)
   - AIS 328 Islamic Civilization I
   - AIS 330 Islamic Civilization II

2. Minor Electives (12 hours)
   - AIS 101 Elementary Modern Standard Arabic
   - AIS 102 Elementary Modern Standard Arabic
   - AIS 201 Intermediate Modern Standard Arabic
   - AIS 202 Intermediate Modern Standard Arabic
   - HIS 247 History of Islam and Middle East Peoples, 500-1250, A.D.
   - HIS 248 History of Islam and Middle East Peoples, 1250 to the Present
   - AIS 301 Colloquial Arabic I
   - AIS 302 Colloquial Arabic II
   - AIS 331 Classical Arabic Literature (in English)
   - AIS 338 Women and Islam
   - AIS 340 Fundamentalism and Reform in Islam
   - AIS 395 Independent Work in Arabic/Islamic Studies
   - AIS 440 Introduction to the Quran
   - AIS 442 Arabic Reading I
   - AIS 443 Arabic Reading II
   - AIS 435 Topics in Islamic Studies (Subtitle required)
   - AIS 495G Advanced Independent Work in Arabic/Islamic Studies
   - PHI 504 Islamic and Jewish Philosophy and the Classical Tradition
   - HIS 548 History of the Middle East: 1453-1920
   - HIS 549 History of the Middle East: 1952 to the Present

Note: Other courses in the area may be elected with the approval of the chair of the department.

For further information, contact: Director Ishan Bagby, labag2@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994.

Bachelor of Arts with a major in CHINESE LANGUAGE AND LITERATURE

The Chinese major at UK is designed to provide a strong foundation in the study of both language and culture while giving students the flexibility to pursue their own interests in Chinese culture, literature, history, and language. The total credit hours required is 42.

For more information, visit the Division of Chinese studies web site at mcl.as.uky.edu/chinese-studies

20 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 119.

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours

Additional Courses

In addition, students must take additional credits in Chinese language, culture, literature, history, art, or other approved areas taken from MCL or other departments to lead to the total credit hours of 42. No more than 15 hours of CHI is permitted from the following. Courses beyond this list may be approved by a faculty advisor.

Chinese Language

CHI 401 Advanced Chinese I
CHI 402 Advanced Chinese II
CHI 511 Literary Chinese
CHI 520 Introduction to Chinese Linguistics
CHI 310 Sounds of East Asian Languages

Arts, Literature, and Film

CHI 302 Introduction to Contemporary Chinese Film
CHI 321 Self and Society in Chinese Culture

Contemporary Culture and Society

CHI 430 Popular Culture in Modern China
*HIS 355 Topics in Non-Western History
Since 1789
HIS 598 China in Revolution, 1895-1976

Pre-Modern Culture and Society

CHI 345 Introduction to Early Chinese Thought
CHI 450 Daoism: East and West

*Subtitle of course must clearly indicate a direct focus on China.

Students may take up to 6 elective units drawn from the following list to lead to the total of 42 credits required for the major:

HIS 295 East Asia to 1800
HIS 296 East Asia Since 1600
HIS 593 East Asian History Since World War II
A-H 310 Asian Art and Culture

Additional Courses hours:

College Requirements

I. Foreign Language (completed by Premajor Requirement)

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

III. Laboratory or Field Work

IV. Electives

College Requirement hours

Premajor Requirements

CHI 201 Intermediate Chinese I
CHI 202 Intermediate Chinese II

Premajor Requirement hours

Major Requirements

Chinese Language Core

CHI 301 Advanced Intermediate Chinese I
CHI 302 Advanced Intermediate Chinese II

Chinese Culture Core

CHI 330 Introduction to Chinese Culture,
Pre-Modern to 1840
CHI 331 Introduction to Chinese Culture,
1840 to Present

Major Requirement hours

Additional Courses
College of Arts and Sciences

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ..................................................... 10-20

| Total Minimum Hours | Required for Degree | 120 |

Minor in Chinese

The Chinese minor is designed for students who wish to supplement degree in other fields with a strong foundation in Chinese language and culture. The total credits required for the minor in Chinese is 18.

Preminor Requirement Hours

All students must complete the following preminor requirements or their equivalent:

| CHI 101 | Beginning Chinese I | 4 |
| CHI 102 | Beginning Chinese II | 4 |
| CHI 201 | Intermediate Chinese I | 4 |
| CHI 202 | Intermediate Chinese II | 4 |

Core Requirement

Students must complete a minimum of 6 credits from among the following courses in the Chinese minor core:

| 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 |

Elective Requirement

In addition, students must take at least 12 additional credits in Chinese language, culture, literature, history, art, or other approved areas taken from the following list to lead to a total of 18 credits. Courses beyond this list may be approved by a faculty advisor. (Please note that courses on the core course list above not used to satisfy the Core Requirement may be used to satisfy the Elective Requirement.)

Chinese Language

| CHI 401 | Advanced Chinese I | 3 |
| CHI 402 | Advanced Chinese II | 3 |
| CHI 511 | Literary Chinese | 3 |
| CHI 520 | Introduction to Chinese Linguistics | 3 |
| CHI 310 | Sounds of East Asian Languages | 3 |

Arts, Literature, and Film

| 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 |

Modern Culture and Society

| CHI 430 | Popular Culture in Modern China | 3 |
| HJS 598 | China in Revolution, 1895-1976 | 3 |
| *HJS 355 | Topics in Non-Western History | 3 |

Pre-Modern Culture and Society

| CHI 345 | Introduction to Early Chinese Thought | 3 |
| CHI 450 | Daoism: East and West | 3 |

China in the East Asian Context

No more than 3 credits can be taken from this category:

| HJS 295 | East Asia to 1800 | 3 |
| HJS 296 | East Asia Since 1600 | 3 |
| ANT 326 | People and Cultures of Sub-Saharan Africa | 3 |
| PS 419G | The Governments and Politics of Eastern Asia | 3 |
| GEO 333 | Geography of East Asia | 3 |

*Subtotal of course must clearly indicate a direct focus on China.

Japan Studies

The Japanese Language and Literature major emphasizes language acquisition through four years of language training, together with an approach that integrates a range of disciplinary perspectives including literature, cultural/media studies, anthropology, geography, history, philosophy, art, and sociology. The program will prepare students for a variety of post-baccalaureate options, serving as preparation both for graduate training in fields requiring advanced Japanese language competence, and for Japan-related career choices. For more information, visit the Japan Studies Web site: http://mcl.as.uky.edu/japan-studies

Bachelor of Arts with a major in JAPANESE LANGUAGE AND LITERATURE

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ..... 3

College Requirements

I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements
a. Natural Science ............................................... 6

b. Social Science ............................................... 6

c. Humanities (completed by Major Requirements)

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

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

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

Premajor Requirements

JPN 201 Intermediate Japanese I ................................ 4
JPN 202 Intermediate Japanese II ................................ 4

Subtotal: Premajor Requirements ....................... 8

Major Requirements

A. Language Requirements

| JPN 301 | Advanced Japanese I | 3 |
| JPN 302 | Advanced Japanese II | 3 |
| JPN 401 | Advanced Japanese III | 3 |
| JPN 402 | Advanced Japanese IV | 3 |

Subtotal: Language Requirements .................. 12

B. Interdisciplinary Core Requirements
Choose 18 hours from:

Arts, Literature, and Film

| JPN 420G | Japanese Language and Literature | 3 |
| JPN 421G | Advanced Japanese I | 3 |
| JPN 400G | Advanced Japanese II | 3 |
| JPN 405 | Advanced Japanese III | 3 |

Subtotal: Interdisciplinary Core hours: ................. 18

C. From Outside the Major

Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, classics, classics, communication, community and leadership development, education, English, French, gender and women’s studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literatures and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor. 200+ level courses used to satisfy UK Core and College requirements can also be counted here.

Subtotal: From Outside the Major: .................... 14

Total Course Work

Required for the Major: .................................. 44

Electives

Select free elective courses to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives .................................... 10-20

TOTAL HOURS: ........................................ 120
Bachelor of Science with a major in JAPANESE LANGUAGE AND LITERATURE

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a LIN prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .................. 3

College Requirements

I. Foreign Language (completed by Premajor Requirement)

II. Disciplinary Requirements

a. Natural Science ................................................. 3

b. Social Science ................................................... 3
c. Humanities (completed by Major Requirements) ....... 3

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

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

College Requirement hours: .................................. 13

Premajor Requirements

JPN 201 Intermediate Japanese I ................................ 4
JPN 202 Intermediate Japanese II ................................. 4

Subtotal: Premajor Requirements ......................... 8

Major Requirements

A. Language Requirements

JPN 301 Advanced Japanese I ..................................... 3
JPN 302 Advanced Japanese II ................................... 3
JPN 401 Advanced Japanese III .................................... 3
JPN 402 Advanced Japanese IV .................................... 3

Subtotal: Language Requirements ...................... 12

B. Interdisciplinary Core Requirements

Choose 18 hours from:

Arts, Literature, and Film

JPN 420G, JPN 421G, JPN 400G, JPN 405 and A-H 310

and/or other related courses with the approval of the major advisor.

Contemporary Culture, Society, and Politics

JPN/GEO 334, JPN 430GJ, JPN 321 and/or other related courses with the approval of the major advisor.

Geography and Economics

JPN/GEO 491G, JPN/GEO 551 and/or other related courses with the approval of the major advisor.

Cultural History

HIS 295, HIS 296, JPN 320 and/or other related courses with the approval of the major advisor.

Subtotal: Interdisciplinary Core hours: .................. 18

C. From Outside the Major

Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, Chinese, classics, communication, community and leadership development, education, English, French, gender and women’s studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literature and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor. 200+ level courses used to satisfy UK Core and College requirements can also be counted here.

Subtotal: From Outside the Major hours: ............... 14

Total Course Work Required for the Major: ............. 44

Electives

Select free elective courses to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives ............................................. 10-20

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

Minor in Japan Studies

The Japan Studies minor complements existing majors and prepares students with the skills that are required to work with Japan given its integral place in international business. Students will also become well-versed in the culture and geography of Japan, its history, arts, and environment. This background will prepare students for Japan-related careers in the United States and abroad.

Bachelor of Arts with a major in RUSSIAN STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

This 23-hour program consists of (1) 14 hours of Japanese language courses, (2) 6 hours of Japanese cultural studies, and (3) 3 hours of elective courses on contemporary East Asian history, politics, and society.

The Japan Studies Program maintains a University of Kentucky Summer Field Station at Yatsushiro (Kyushu) on the campus of the IEC Kyushu International College for summer field research and instruction. Summer field seminars are offered at this site each year. Details at: www.uwplatt.edu/geography/japan.

1. Japanese Language Courses (16 hours)

JPN 101 Beginning Japanese I ..................................... 4
JPN 102 Beginning Japanese II .................................. 4
JPN 201 Intermediate Japanese I ................................. 4
JPN 202 Intermediate Japanese II ................................ 4

2. Japanese Cultural Studies (6 hours)

GEO/JPN 334 Environment, Society and Economy of Japan .................................................. 3
ENG 283 Japanese Film .............................................. 3
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 ............................................. 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present ........................................ 3

3. Contemporary East Asian History, Politics, and Society (3 hours)

HIS 295 East Asia to 1800 ........................................ 3
HIS 296 East Asia Since 1600 ..................................... 3
HIS 597 Westerners in East Asia, 1839 to the Present .................................................. 3
ANT 326 Peoples of East Asia .................................... 3
PS 419G The Governments and Politics of Eastern Asia .................................................. 3
GEO 333 Geography of East Asia ................................ 3
COM 525 Organizational Communication .......... 3
JPN 395 Independent Work in Japanese .................. 1-6
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) .................................. 3
JPN 421G Contemporary Literary and Visual Arts of Japan ............................................. 3
GEO/JPN 491G Japanese Landscapes ......................... 3
JPN 520 Japanese Linguistics and Society .................. 3
GEO/JPN 551 Japanese Multinational Corporations ..... 3

For further information, contact Professor Masamichi Inoue, Director, Japan Studies Program, (859) 257-7024 or (859) 257-3761; e-mail: msinoue@uky.edu.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .... 3

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

College Requirement hours: .................. 16

Premajor Requirements
RUS 202 Intermediate Russian ................................. 4
*RUS 270 Russian Culture 900-1900
or
RUS 271 Russian Culture 1900-Present .................... 3

Premajor hours: ............................................. 7

Major Core Requirements
HIS 385 History of Russia to 1825 ............................ 3
HIS 386 History of Russia Since 1825 ....................... 3
RUS 380 Nineteenth Century Russian Literature
   (in English) .................................................. 3
RUS 381 Russian Literature 1900-Present
   (in English) .................................................. 3
RUS 301 Advanced Intermediate Russian I ............... 3
RUS 302 Advanced Intermediate Russian II ............... 3
RUS 403 Advanced Russian I ................................ 3
RUS 404 Advanced Russian II ................................ 3
RUS 499 Russian Studies Capstone Seminar
   (Subtitle required) ......................................... 3

Major Core hours: ........................................... 27

Other Course Work Required for the Major
From the Major Program:

Related Electives ................................................ 6
Choose from RUS 370*, RUS 375, RUS 395, RUS 400G,
   RUS 460G, RUS 463, RUS 495G, RUS 501, RUS 502, RUS
   520, RUS 530

From Outside the Major Program ........................... 9
Choose 9 hours at the 300+ level related to Russian Studies,
   but not from the major program (RUS).

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

Electives
Choose electives to lead to the minimum total of 120 hours
required for graduation ...................................... 23

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

*Course used towards completion of a UK Core Re-
quirement.

Bachelor of Science with a major in
RUSSIAN STUDIES

120 hours (minimum)

Any student earning a Bachelor of Science
(BS) degree must complete a minimum of 60
hours in natural, physical, mathematical, and
computer science. Please note: courses with RUS
and HIS prefixes are generally not accepted
towards fulfilling this 60-hour requirement. There-
fore, be sure to keep this requirement in mind as
you choose your course work for the require-
ments 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
119-120.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: .... 3

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

College Requirement hours: .................. 10

Premajor Requirements
RUS 202 Intermediate Russian ................................. 4
*RUS 270 Russian Culture 900-1900
or
RUS 271 Russian Culture 1900-Present .................... 3

Premajor hours: ............................................. 7

Major Core Requirements
HIS 385 History of Russia to 1825 ............................ 3
HIS 386 History of Russia Since 1825 ....................... 3
RUS 380 Nineteenth Century Russian Literature
   (in English) .................................................. 3
RUS 381 Russian Literature 1900-Present
   (in English) .................................................. 3
RUS 301 Advanced Intermediate Russian I ............... 3
RUS 302 Advanced Intermediate Russian II ............... 3
RUS 403 Advanced Russian I ................................ 3
RUS 404 Advanced Russian II ................................ 3
RUS 499 Russian Studies Capstone Seminar
   (Subtitle required) ......................................... 3

Major Core hours: ........................................... 27

Other Course Work Required for the Major
From the Major Program:

Related Electives ................................................ 6
Choose from RUS 370*, RUS 375, RUS 395, RUS 400G,
   RUS 460G, RUS 463, RUS 495G, RUS 501, RUS 502, RUS
   520, RUS 530

From Outside the Major Program ........................... 9
Choose 9 hours at the 300+ level related to Russian Studies,
   but not from the major program (RUS).

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

Electives
Choose electives to lead to the minimum total of 120 hours
required for graduation ...................................... 26

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

*Course used towards completion of a UK Core Re-
quirement.
Minor in Russian
The minor in Russian consists of a minimum of 18 hours beyond second-year proficiency in Russian language (RUS 202) distributed as follows:
1. 6 hours of Russian language courses at the 300 level or above
2. 12 hours of additional course work in designated Russian area studies courses, of which at least 9 hours must be in RUS courses.

Note: RUS 395, Independent Work in Russian, may not be used for the minor.

Minor in Folklore and Mythology
The minor in folklore and mythology requires a minimum of 18 hours (plus 6 preminal) to include the following:

1. Minor Prerequisites
CLA 100 Ancient Stories in Modern Films or
CLA 135 Greek and Roman Mythology ......................... 3
GER 103 Fairy Tales in European Context ..................... 3

2. Minor Requirements
CLA 331 Gender and Sexuality in Antiquity or
CLA 382 Greek and Roman Religion ......................... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ........................................ 3
GER 363 Germanic Mythology ........................................ 3
MCL 270 Introduction to Folklore and Mythology ............. 3
RUS 370 Russian Folklore (in English) ......................... 3

3. Minor Electives
Three hours in elective courses in a variety of disciplines taken from a list provided by the advisor.

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

For more information, visit: melas.uky.edu/folklore-mythology

PHILOSOPHY

Philosophy encourages critical and systematic inquiry into fundamental questions of right and wrong, truth and falsehood, the meaning of life, and the nature of reality, knowledge, and society. More than any other discipline, philosophy explores the core issues of the Western intellectual tradition. With its emphasis on reason and argumentation, a philosophy major is an excellent preparation for a career in law or business.

Bachelor of Arts with a major in PHILOSOPHY

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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 requirements.

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

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

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

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

V. Composition and Communication I
Choose one course from approved list ......................... 3

VI. Composition and Communication II
Choose one course from approved list ......................... 3

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

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

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

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

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

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

Graduation Writing Requirement Hours: ..................... 3

College Requirements

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

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

Premajor Requirements
PHI 260 History of Philosophy I: from Greek Beginnings to the Middle Ages ................. 3
PHI 270 History of Philosophy II: from the Renaissance to the Present Era .................. 3

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

Major Requirements

Major Core Requirements
PHI 320 Symbolic Logic I .............................................. 3
PHI 330 Ethics
or
*PHI 335 The Individual and Society ........................................ 3
PHI 350 Metaphysics and Epistemology ........................................... 3

Major Core hours: ...................................................... 9

Other Course Work Required for the Major
From the Major Department:
Choose 15 hours of PHI 500+ level courses with at least one course from each group below .............................................. 15

Group A: PHI 503, 504, 506, 509, 513, 514, 515, 516, 517
Group B: PHI 519, 530, 531, 535, 537, 540, 545, 592
Group C: PHI 520, 550, 560, 561, 562, 565, 570, 575

Choose 3 hours from any of the group courses listed above or the following: PHI 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343*, 361, 380, 395 ................. 3

From Outside the Major Department
Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses ......................................................... 18

Other Major hours: ..................................................... 36

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

Total Minimum Hours Required for Degree .................................. 120
*Course used towards completion of a UK Core Requirement.

*French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

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 119-120.
PHYSICS AND ASTRONOMY

The Department of Physics and Astronomy helps many students acquire a general understanding and appreciation of physics and astronomy. In the liberal arts tradition, the undergraduate curriculum is complete and flexible enough to allow a graduate with a major in physics to pursue a variety of careers. Many of our graduates continue their studies with graduate work in physics or other areas.

For the student interested in combining the study of physics with studies in other areas, the department can assist in the planning of an individual curriculum which meets both the minimum requirements of the Physics program and the student’s needs and interests. Such planning is of particular value to students intending to pursue careers in engineering, computer science, applied physics, medicine, radiation medicine, biophysics, law, meteorology, oceanography, geophysics, environmental sciences, management, or the teaching of physics and/or physical science at the junior and senior high school levels. By working closely with an advisor, the student with special interests can take advantage of opportunities to take several other courses from one or more departments outside physics, or double major in physics and another area. For a

description of suggested curricula, visit our Web site at:
www.pa.uky.edu/undergrad/curricula.html

Bachelor of Arts with a major in PHYSICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for the Bachelor of Arts degree on page 119.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ........................................ 3
II. Intellectual Inquiry in the Humanities
Choose one course from approved list ........................................ 3
III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ........................................ 3
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ........................................ 3
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .................. 3
VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II .................. 3
VII. Quantitative Foundations
Choose one course from approved list ........................................ 3
VIII. Statistical Inferential Reasoning
Choose one course from approved list ........................................ 3
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ........................................ 3
X. Global Dynamics
Choose one course from approved list ........................................ 3
UK Core Hours ........................................................................ 30

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: ......................... 3

College Requirements

I. Foreign Language (placement exam recommended) .................. 0-14
II. Disciplinary Requirements
   a. Natural Science ......................................................... 3
   b. Social Science .......................................................... 3
   c. Humanities (completed by Major Requirements).................... 3
III. Laboratory or Field Work ................................................... 1
IV. Electives ........................................................................... 6
College Requirement hours: ................................................. 13-27

Premajor Requirements

PHI 260 History of Philosophy I
   from Greek Beginnings to the Middle Ages ......................... 3
PHI 270 History of Philosophy II
   from the Renaissance to the Present Era ............................. 3
Premajor hours: .................................................................... 6

Major Requirements

Major Core Requirements
PHI 320 Symbolic Logic I ...................................................... 3
PHI 330 Ethics or
*PHI 335 The Individual and Society ..................................... 3
PHI 350 Metaphysics and Epistemology ............................... 3
Major Core hours: ................................................................... 9

Other Course Work Required for the Major
From the Major Department:
Choose 15 hours of PHI 500+ level courses with at least one course from each group below ................................. 15

Group A: PHI 503, 504, 506, 509, 513, 514, 515, 516, 517
Group B: PHI 519, 530, 531, 535, 537, 540, 545, 592
Group C: PHI 520, 550, 560, 561, 562, 565, 570, 575

Choose 3 hours from any of the group courses listed above or the following: PHI 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 345*, 361, 380, 395 ................................................. 3
From Outside the Major Department
Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses .............................................. 18

Other Major hours: .............................................................. 36

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

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

*Course used towards completion of a UK Core Requirement.

*French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

Minor in Philosophy

The minor in philosophy requires a minimum of 18 hours of course work to include the following:
   a. No more than two 100-level courses
   b. At least one course in logic (PHI 120, PHI 320, or PHI 520)
   c. At least one course in the history of philosophy (PHI 260, PHI 270, or any course from Group A of the undergradu-
      ate curriculum)
   d. At least three courses (nine hours) at the 300 level or above, excluding PHI 320 and PHI 399.

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Suggested Curriculum for B.A. in Physics

As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.A. in Physics.

First Semester
- MA 113 Calculus I .................................................. 4
- CIS/WRD 110 Composition and Communication I ........ 3
- UK Core .................................................................. 3
- UK Core .................................................................. 3

Second Semester
- MA 114 Calculus II .................................................. 4
- PHY 242 General University Physics Laboratory ....... 1
- UK Core .................................................................. 3
- UK Core .................................................................. 3

First Semester
- MA 213 Calculus III ................................................. 4
- PHY 232 General University Physics ....................... 4
- PHY 242 General University Physics Laboratory ....... 1
- Foreign Language .................................................... 4
- *CS 115 Introduction to Computer Programming or Major Related Electives ............................................ 3

Second Semester
- *MA 214 Calculus IV or Major Related Electives ............... 3
- PHY 306 Theoretical Methods of Physics ................. 3
- PHY 328 Optics, Relativity and Thermal Physics ....... 3
- Foreign Language .................................................... 4
- Electives .................................................................. 3

Junior Year

First Semester
- CHE 105 General College Chemistry I ....................... 4
- PHY 335 Data Analysis for Physicists ..................... 1
- Foreign Language .................................................... 3
- *MA 322 Matrix Algebra and Its Applications or Major Related Electives ............................................ 3
- PHI 300 ............................................................... 3
- Electives .................................................................. 3

Second Semester
- CHE 107 General College Chemistry II ..................... 3
- PHY 361 Principles of Modern Physics .................... 3
- Foreign Language .................................................... 3
- **Social Sciences 300+ .......................................... 3
- Major Related Electives .......................................... 3

Senior Year

First Semester
- PHY 3XX .............................................................. 3
- PHY 4XX (suggested) .............................................. 3
- Electives .................................................................. 3

Second Semester
- PHY 485 Intermediate Physics Laboratory ............... 3
- PHY 5XX (suggested) .............................................. 3
- Electives .................................................................. 5

**A total of 14 credit hours in math, computer science, chemistry, engineering or other areas related to physics but outside the department must be completed to satisfy the college requirement. A total of 42 hours in physics and related areas must be taken to satisfy the major requirement.

The Bachelor of Arts requires the completion of six hours in humanities and social sciences as a college requirement. It also requires the completion of 39 hours at or above the 300 level.

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 119-120.

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

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

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

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

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

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

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

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

Graduation Writing Requirement

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

Graduation Writing Requirement Hours: .................. 3

College Requirements

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

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

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

College Requirement hours: .................. 12-26

Premajor Requirements

*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
*MA 213 Calculus III ................................................. 4
*MA 241 Calculus IV .................................................. 3
*

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 404G Mechanics .............................................. 3
- PHY 416C/417G Electricity and Magnetism ............... 6
- PHY 520 Introduction to Quantum Mechanics I ....... 3
- PHY 521 Introduction to Quantum Mechanics II ...... 3
- MA 213 Calculus III ................................................. 4
- MA 241 Calculus IV .................................................. 3

or with permission of the Director of Undergraduate Studies:

or with permission of the Director of Undergraduate Studies:

College of Arts and Sciences

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 sub-field of judicial politics and legal studies; study of the institutions, behavioral patterns, and public policies that define the American political system;
- **Comparative Politics** — study of the institutions, policies, and mass behaviors observed in political systems outside the United States, usually explored through comparison within or across regions of the world;
- **International Relations** — study of the international system as a whole, as well as of the actors (such as nation-states, corporations, and international organizations) who participate in shaping diplomatic, military, and economic outcomes within that system;
- **Theory/Methodology** — study of the values, concepts, and analytical methods that shape how people evaluate political life.

Degree recipients take introductory course work in each of these four areas, then pursue advanced studies in one or more of the fields as determined by their interests and/or career goals.

In addition to conveying information about politics and government—necessary background for pursuing graduate work in political science and related fields—Political Science courses at UK are designed to provide students with a broad liberal arts education. Graduates leave the program having cultivated their analytical abilities and having exercised their written and spoken communication skills. Such disciplinary training leads to a wide variety of careers, many of which have no direct political or governmental connection, but is particularly helpful in preparing students for careers such as law, policy analysis, governmental administration, diplomatic service, journalism, lobbying, and other sorts of political activity.

Currently the department offers two degree: a Bachelor of Arts and a Bachelor of Science. Most majors choose to pursue the B.A. The primary difference is that B.A. students must complete a minimum of 39 hours at the 300+ level, a requirement that students can fulfill using courses already needed for the major. Earning the B.S. degree, on the other hand, requires completing a minimum of 60 hours in natural, physical, mathematical, and computer sciences. Little of that course work fulfills other degree requirements.
## Bachelor of Arts with a major in **POLITICAL SCIENCE**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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

**Graduation Writing Requirement Hours:** ........................ 3

### College Requirements

<table>
<thead>
<tr>
<th>Field One – American Politics</th>
<th>Field Two – Comparative Politics</th>
<th>Field Three – International Relations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 101 American Government .......... 3</td>
<td>PS 210 Introduction to Comparative Politics or PS 212 Culture and Politics in the Third World .......... 3</td>
<td>*PS 235 World Politics ........................................ 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Four – Theory/Methodology</th>
<th>Field Five – U.S. Politics</th>
<th>Field Six – International Relations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 240 Introduction to Political Theory or PS 372 Introduction to Political Analysis .......... 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Major/Core Requirements
After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of coursework 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 coursework, of which at least 15 must be at the 300+ level. Note that PS 399 may not be counted toward this requirement. Eligible courses span all four undergraduate fields:

<table>
<thead>
<tr>
<th>Field One – American Politics</th>
<th>Field Two – Comparative Politics</th>
<th>Field Three – International Relations</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Field Four – Theory/Methodology</th>
<th>Field Five – U.S. Politics</th>
<th>Field Six – International Relations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 240 or 372, 441G, 442G, 545, 572</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Other Courses
Choose six hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ....................................................... 6

<table>
<thead>
<tr>
<th>From Outside the Major Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies .......................... 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 407</td>
</tr>
<tr>
<td>AEC 324, 471, 479, 510, 532</td>
</tr>
<tr>
<td>AIS 328, 330</td>
</tr>
<tr>
<td>AN 300</td>
</tr>
<tr>
<td>ANT – 220, 221, 324, 325, 326, 327, 340, 375, 401, 433, 435, 532, 534</td>
</tr>
<tr>
<td>APP 200</td>
</tr>
<tr>
<td>BSC – all 200+ level courses</td>
</tr>
<tr>
<td>COM 249, 449, 453</td>
</tr>
<tr>
<td>ECO – all 200+ level courses</td>
</tr>
<tr>
<td>EDC 326, 346</td>
</tr>
</tbody>
</table>

### 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 119-120.

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

Graduation Writing Requirement Hours: ..................... 3

College Requirements
I. Foreign Language (placement exam recommended) .............................. 0-14
II. Disciplinary Requirements
a. Natural Science ................................................................ 3
b. Social Science (completed by Premajor Requirements) ............................ 3
c. Humanities ........................................................................... 3
III. Laboratory or Field Work (completed by PS 372) ............................. 3
IV. Electives ........................................................... 6
College Requirement hours: .................................. 12-26

Premajor/Introductory Requirements
Field One – American Politics
PS 101 American Government ....................................... 3
Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics or PS 212 Culture and Politics in the Third World ........ 3
Field Three – International Relations
*PS 235 World Politics .................................................. 3
Field Four – Theory/Methodology
PS 240 Introduction to Political Theory or PS 372 Introduction to Political Analysis ..................... 3
Premajor/Intro Hours: ............................................. 12

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

Disciplinary Courses
Students must take 18 additional credit hours of political science course work, of which at least 15 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, 547, 572

Graduation Writing Requirement
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 119.

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

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

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

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology or approved equivalent transfer 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
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

Minor in Political Science
The minor in political science requires a prerequisite course (PS 101) and 18 hours of course work at the 200 level or above to be distributed as follows:

1. Six hours of 200 level courses, three hours of which must be either PS 210, PS 212, or PS 235.
2. Four other courses, at least three of which must be at the 400 or 500 level.
X. Global Dynamics
Choose one course from approved list .......................... 3

UK Core Hours .......................................................... 35-36

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

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (placement exam recommended) .......................................................... 0-14
II. Disciplinary Requirements
a. Natural Science (partially completed by PSY 312; and to complete this requirement, consider either PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone Requirement) .......................... 3
b. Social Science (completed by Premajor and Major Requirements) .......................... 6
   c. Humanities .......................................................... 3
III. Laboratory or Field Work (completed by Premajor Requirement) .......................... 6
IV. Electives .......................................................... 6
College Requirement hours: .......... 15-29

Premajor Requirements
*PSY 100 Introduction to Psychology ........................................ 4
or
*PSY 11-- ......................................................................... 3
PSY 195 Orientation to Psychology ........................................ 3
*PSY 215 Experimental Psychology .................................... 3
Premajor hours: ................................................................ 8-9

Major Requirements
Major Core Requirements
*PSY 216 Applications of Statistics in Psychology .... 4
plus four of the following five courses:
PSY 223 Developmental Psychology .................................. 3
PSY 311 Learning and Cognition ................................... 3
PSY 312 Brain and Behavior ........................................ 3
PSY 313 Personality and Individual Differences .......................... 3
PSY 314 Social Psychology and Cultural Processes ............... 3

Major Core hours: ................................................................ 16

Other Course Work Required for the Major
From the Major Department:
Advanced Lecture/Lab .................................................. 4
Choose from: PSY 427, 430, 440, 450, 456, 460, 552
Capstone Option .......................................................... 3-8
Choose from: PSY 495 and 496, 499, 500, 534, 535, 536, 562, 563, 564, 565, 566
Electives .......................................................... 0-5
Choose from: PSY 223, 302, 331, 395, 399, 459, 533, 558
From Outside the Major Department
Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ........................................ 14

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

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ...................................... 5

Total Minimum Hours Required for Degree ......................... 120
*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in PSYCHOLOGY

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: with the exception of PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565, courses with a PSY prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

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

Graduation Writing Requirement Hours: .... 3

College Requirements
I. Foreign Language (placement exam recommended) .......................... 0-14
II. Disciplinary Requirements
   a. Natural Science (completed by PSY 312) .......................... 3
   b. Social Science (completed by Premajor Requirement) .... 3
   c. Humanities .......................................................... 3
III. Laboratory or Field Work (completed by Premajor Requirement) .... 6

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

Premajor Requirements
*PSY 100 Introduction to Psychology .................................. 4
or
*PSY 11-- ......................................................................... 3
PSY 195 Orientation to Psychology ...................................... 1
*PSY 215 Experimental Psychology .................................... 4
Premajor hours: ................................................... 8-9

Major Requirements
Major Core Requirements
*PSY 216 Applications of Statistics in Psychology .... 4
plus four of the following five courses:
PSY 223 Developmental Psychology .................................. 3
PSY 311 Learning and Cognition ................................... 3
PSY 312 Brain and Behavior ........................................ 3
PSY 313 Personality and Individual Differences .......................... 3
PSY 314 Social Psychology and Cultural Processes ............... 3

Major Core hours: ................................................................ 16

Other Course Work Required for the Major
From the Major Department:
Advanced Lecture/Lab .................................................. 4
Choose from: PSY 427, 430, 440, 450, 456, 460, 552
Capstone Option .......................................................... 3-8
Choose from: PSY 495 and 496, 499, 500, 534, 535, 536, 562, 563, 564, 565, 566
Electives .......................................................... 0-5
Choose from: PSY 223, 302, 331, 395, 399, 459, 533, 558
From Outside the Major Department
Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ........................................ 14

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

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ...................................... 5

Total Minimum Hours Required for Degree ......................... 120
*Course used towards completion of a UK Core Requirement.

*This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

*Course used toward completion of the College 60-hour requirement.
Minor in Psychology
The minor in psychology requires a minimum of 19-20 hours to include the following:

1. Prerequisite courses
   PSY 100 Introduction to Psychology or equivalent ........................................ 3-4
   PSY 215 Experimental Psychology ........................................ 4

2. All of the following courses:
   PSY 311 Learning and Cognition ........................................ 3
   PSY 312 Brain and Behavior ........................................ 3
   PSY 313 Personality and Individual Differences ................ 3
   PSY 314 Social Psychology and Cultural Processes .... 3

B.A. or B.S. with a major in RUSSIAN STUDIES
The requirements for the B.A. and B.S. with a major in Russian Studies are listed under in this A&S section under Modern and Classical Languages, Literatures and Cultures.

BACHELOR OF ARTS WITH A MAJOR IN SOCIOLOGY

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: ................................. 3

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

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

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

Electives ........................................................................... 18-32

College Requirement hours: .................................................. 3

Premajor Requirements
*SOC 101 Introduction to Sociology or
CLD 102 The Dynamics of Rural Social Life ......................... 3
plus one of the following:
SOC 235 Inequalities in Society ........................................... 3
SOC 299 Introductory Topics in Sociology
(Subtitle required) ........................................ 3

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

Major Core Requirements
SOC 302 Sociological Research Methods ............................... 3
or
PSY 215 Experimental Psychology ..................................... 4
SOC 303 Quantitative Sociological Analysis ................................ 3
or
PSY 216 Applications of Statistics in Psychology ............... 4
SOC 304 Classical Sociological Theory .................................. 3
SOC 305 Contemporary Sociological Theory ......................... 3

Major Core hours: ............................................................. 12-14

Other Course Work Required for the Major
From the Major Department:
Choose 15 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level ........................................... 15

From Outside the Major Department
Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. These courses must be chosen from the list that follows, or approved by a Sociology Undergraduate Advisor ........................................................... 15

A–II = all 200+ courses
AAD 310, 340, 350, 399, 402, 499
AAS = all 200+ courses
AC = all 200+ courses
AEC 201, 302, 303, 304, 305, 309, 316, 320, 324, 341,
445G, 471, 479, 483, 510, 532
AED = all 200+ courses
AEN 463G
AIS 328, 330, 331, 435
ANT = all 200+ courses
APP = all 200+ courses
ARC 222, 223, 314, 315, 324, 325, 325, 332, 333, 461, 511, 512,
513, 514, 515
BIO 325, 375
BSC 311, 527, 529, 546
CLA 210, 229, 230, 301, 302, 390, 450G, 509
CLD = all 200+ courses
COM 249, 252, 281, 325, 350, 351, 365, 381, 449, 452, 453,
454, 462, 525, 571, 581
CPC 501
ECO = all 200+ courses
EDL 401
EDP 202, 518, 522, 548, 557, 580
EDS 516, 547
EDU 305
ENG 211, 212, 230, 231, 232, 233, 234, 236, 261, 262, 264, 270,
271, 281, 283, 310, 330, 331, 332, 333, 334, 335, 336,
488G, 519, 570, 572
ENS = all 200+ courses
EPE 301, 317, 554, 555, 557, 570
FAM 253, 254, 255, 350, 352, 357, 360, 390, 402, 475, 502,
509, 544, 553, 554, 563, 585
FCS = all 200+ courses
GEN 200, 300, 301, 501
GEO = all 200+ courses
GRN 585
College of Arts and Sciences

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

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Writing Requirement Hours: ........ 3

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

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

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

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

College Requirement hours: ............................ 12-26

Premajor Requirements
*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

Premajor 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 (or PSY 215) and SOC 303 (or PSY 216)
or
SOC 304 and SOC 305
or
SOC 302 (or PSY 215) and SOC 304

Minor in Sociology Hours

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

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 119-120.

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.
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 as minor in statistics. The program in mathematical sciences also includes several statistics courses. The Master of Science and the Doctor of Philosophy degree are offered.

Research is being actively pursued in statistical theory and methods, both parametric and nonparametric, linear models, inference, stochastic processes, applied probability, and bio-statistics.

Consultation on statistical analysis and interpretation of data is provided to research workers on and off the campus. Particular attention is paid to the consulting needs of graduate students.

Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 17 hours of course work is required to complete the minor, as follows:

Track 1
STA 291 Statistical Methods ........................................ 3
STA 295 The Art and Practice of Probability ............... 3
STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling ......................... 4
STA 422G Basic Statistical Theory II ............................. 4

Track 2
STA 320 Introductory Probability ................................ 3
STA 321 Basic Statistical Theory I ............................... 3
STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling ......................... 4
STA 422G Basic Statistical Theory II ............................. 4

plus one relevant course from the student’s area (3 credit hours) to be approved by the Department of Statistics.

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. At least six hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:

   eng 264 major black writers
   fr 504 Topics in French Literature and Culture (if appropriate)
   HIS 254 History of Sub-Saharan Africa
   HIS 260 African American History to 1865
   HIS 261 African American History 1865-Present
   HIS 360 Race and Sports in America
   HIS 585 The Age of Jim Crow, 1880-1930
   MUS 300 History of Jazz

4. At least six hours in the social sciences (as approved by the African American Studies Committee). Among these are:

   AAS 432 Race and Ethnic Relations
   ANT 326 People and Cultures of Sub-Saharan Africa
   EDC 550 Education in a Culturally Diverse Society
   GEO 336 Geography of Sub-Saharan Africa
   PS 417G Survey of Sub-Saharan Politics
   PS 461G Civil Liberties
   PS 471 Race, Ethnicity and Politics
   SOC 235 Inequalities in Society

NOTE: Courses in English and history are strongly recommended.

For further information, contact: Director Frank X. Walker, fwx2@uky.edu; 102 Breckinridge Hall 0056, (859) 257-3593.

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 six hours) may be taken in any one discipline:

   Art History: A-H 342
   Anthropology: ANT 221, ANT 342, ANT 470G, ANT 527, ANT 534
   English: ENG 310, ENG 480G
   Geography: GEO 320, GEO 321, GEO 322, GEO 490G
   History: HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 581, HIS 582, HIS 584, HIS 585, HIS 586, HIS 596
   Linguistics: LIN 317
   Music: MUS 206, MUS 222, MUS 300, MUS 301, MUS 506
   Philosophy: PII 514


Sociology: SOC 340, SOC 534

For further information, contact: Director Ann Doolen, avdoool2@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994.

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 fifteen 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
   ENG 232 Literature and Place (if appropriate)
   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 735 Topical 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: Director Ann Kingsolver, ann.kingsolver@uky.edu; 624 Maxwelton Ct. 0347, (859) 257-4852.

http://appalachiancenter.as.uky.edu/

For a current listing of courses and further information, visit:

http://appalachiancenter.as.uky.edu/appendix-courses.
Cognitive Science

The undergraduate minor in Cognitive Science is aimed to provide undergraduates with an introduction to cognitive science as a theory of the mind as an intelligent (information-processing) system. Our objectives are to ensure that each student (a) be able to articulate, at least in broad terms, some of the assumptions that have been thought to unify the various subfields within the domain of cognitive science; (b) explore more than one discipline’s approach to matters pertaining to cognitive science; and (c) explore in some detail at least one of the five main disciplines contributing to cognitive science (biology, computer science, linguistics, philosophy, and psychology). CGS 500 (Cognitive Science in Theory and Practice) will be run with the aim of getting students to satisfy (a); and distribution requirements aim to put students in a position to satisfy (b) and (c).

To receive an undergraduate minor in Cognitive Science, the student must successfully complete 18 credit hours to be distributed as follows:

1. CGS 500 Cognitive Science in Theory and Practice ............................................... 3
2. Fifteen credits from among the following:
   * ANT 332 Human Evolution
   * BIO 375 Behavioral Ecology and Sociobiology
   * BIO 535 Comparative Neurobiology and Behavior
   * BIO 550 Comparative Physiology
   * BIO 556 Communication Biology
   * COM 350 Language and Communication
   * CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
   * CS 463G Introduction to Artificial Intelligence
   * CS 521 Computational Sciences
   * CS 536 Situated Computing
   * CS 575 Models of Computation (may not be combined with PHI 520)
   * LIN 210 History of the English Language
   * LIN 211 Introduction to Linguistics
   * LIN 212 Introduction to Linguistics I
   * LIN 509 Semantics and Pragmatics
   * LIN 512 Analysis of English Syntax
   * LIN 513 Teaching English as a Second Language
   * LIN 515 Phonological Analysis
   * LIN 516 Grammatical Typology
   * LIN 517 Special Topics in Linguistics (Subtitle required)
   * LIN 519 Historical Linguistics
   * PHI 320 Symbolic Logic I
   * PHI 361 Biology and Society
   * PHI 520 Symbolic Logic II (may not be combined with CS 375, 575, or 675)
   * PHI 560 Philosophy of Scientific Method
   * PHI 565 Philosophy of Language
   * PHI 575 Philosophy of Mind
   * *PSY 223 Developmental Psychology
   * PSY 311 Learning and Cognition
   * PSY 312 Brain and Behavior
   * PSY 427 Cognitive Processes
   * PSY 456 Behavioral Neuroscience
   * PSY 552 Animal Behavior
   * PSY 562 Advanced Topics in Cognitive Psychology (Subtitle required)
   * PSY 564 Advanced Topics in Learning (Subtitle required)
   * PSY 565 Advanced Topics in Neuroscience (Subtitle required)
   * PSY 566 Advanced Topics in Social Psychology (Subtitle required)

Of the fifteen credit hours of courses from this list, (1) at least six credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than six credit hours from any single discipline will count towards satisfaction of the requirement.

*Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.

For more information, contact: Director Philipp Kraemer, pjkrae00@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994. http://idp.as.uky.edu/cognitive-science

Environmental Studies

Environmental considerations permeate almost every facet of modern life, and concern for “the environment” is practically universal as we approach the twenty-first century. The minor in Environmental Studies is designed to provide students with the opportunity to become conversant in a range of environmental topics, whether as private citizens in their daily lives or as professional members of corporate, government, legal, medical, and educational circles.

The minor draws on topics and perspectives from the natural and physical sciences, the social sciences, and the humanities to underscore the interdisciplinary nature of environmental issues and problems. Students taking the minor are encouraged to integrate the program with their major study focus in order to gain a competitive advantage in grappling with environmental topics.

The minor in Environmental Studies requires 18 hours of course work including the following:

1. ENS 200 Introduction to Environmental Studies ................................................. 3
2. Six hours chosen from the following list of sociocultural perspectives:*  
   * ANT 375 Ecology and Social Practice ............................................. 3
   * GEO 235 Environmental Management and Policy ....................... 3
   * GEO 550 Sustainable Resource Development and Environmental Management .......... 3
   * PS 391 Special Topics in Political Science (Subtitle required) ...................... 3
   * PS 456G Appalachian Politics .................................................. 3
   * ENS 300 Special Topics (Subtitle required) .................................. 3
   * ENS 395 Independent Work ................................................... 3
3. Three hours chosen from the following list of science and technology perspectives:*  
   * FOR 205 Forest and Wildland Soils and Landscapes .................. 4
   * FOR 340 Forest Ecology ...................................................... 4
   * FOR 350 Silviculture ............................................................. 4
   * GEO 230 Weather and Climate ............................................... 3
   * GLY/EES 341 Landforms ..................................................... 3
   * GLY/EES 585 Hydrogeology .................................................... 3
   * BIO 325 Ecology ................................................................. 4
   * ENS 360 Special Topics (Subtitle required) .................................. 3
   * ENS 395 Independent Work ................................................... 3
4. ENS 400 Senior Seminar (Subtitle required)* ................................................. 3

*For other acceptable courses, consult the Director of the Environmental Studies Program.

At least six of the twelve elective hours must be at the 300-level or above. Elective courses must be drawn from outside the student’s major.

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

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

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

Indian Culture

This minor is designed to allow students to develop a more profound understanding of Indian culture. The curriculum is strongly interdisciplinary, encompassing courses in linguistics, anthropology, English, geography, mathematics, philosophy, political science, and sociology.

Students completing the minor will possess: (1) an ability to read Sanskrit (vital for comprehending Indian culture); (2) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (3) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

The minor in Indian Culture requires 18 hours of course work, as follows:

1. Sanskrit Language Courses (6 hours)
   * LIN 520 Sanskrit I .............................................................. 3
   * LIN 521 Sanskrit II ......................................................... 3

2. Twelve 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 ................................ 3
   * GEO 330 Geography of the Indian Subcontinent ....................... 3
   * GEO 365 Special Topics in Regional Geography (Subtitle required) ........ 3
   * GEO 565 Topics in Geography ............................................. 3
   * LIN 395 Independent Work ................................................. 3
   * MA 330 History of Mathematics ............................................. 3
   * PHI 343 Asian Philosophy .................................................. 3
   * PS 420G Governments and Politics of South Asia ...................... 3
   * SOC 380 Globalization: A Cross-Cultural Perspective ................. 3

Students in the Indian Culture minor program will be encouraged to participate in a study program in India in the course of their undergraduate education.

### 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 coursework 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 201 Intermediate Hebrew ......................................... 3
   - HJS 202 Intermediate Hebrew ......................................... 3
   - HJS 326 The Jewish Experience in America .......................... 3
   - HJS 327 Women in Judaism ............................................. 3
   - HJS 495 Independent Study in Judaic Studies ..................... 3
   - PHI 504 Islamic and Jewish Philosophy
     and the Classical Tradition ............................................ 3
   - CLA 390 Backgrounds to and Early History of Christianity to 150 CE ......................................................... 3
   - HIS 330 A History of Western Religious Thought I) .............. 3
   - HIS 323 The Holocaust .................................................. 3
   - ENG 270 The Old Testament as Literature .......................... 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 six credit hours.

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

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

### Latin American, Caribbean, and Latino Studies

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

**Preminor Requirements**

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

**Minor Requirements**

A minimum of 12 credit hours distributed evenly over the following four subject areas:

1. Language Skills (three hours beyond second-year Spanish)
2. Prehistory and History (three hours)
3. Contemporary Latin American Societies (three hours)
4. Literature and the Arts of the Americas (three hours)

For more information, contact: Director Carmen Martinez Novo, Carmen.martinez@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994.

**http://is.as.uky.edu/latin-american-studies-program-minor**