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

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

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

Undergraduate Programs in Arts and Sciences

The University of Kentucky grants the following degrees in the College of Arts and Sciences:
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Liberal Studies

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

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

Undergraduate Certificates in Arts and Sciences

The University of Kentucky grants the following undergraduate certificates in the College of Arts and Sciences:
- Appalachian Studies
- International Film Studies
- Peace Studies
- Sexuality Studies
- Social Sciences Research

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

ADMISSION

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

PROGRAMS AND SERVICES

Academic Advising

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

All currently enrolled primary A&S majors have an assigned professional academic advisor or faculty advisor. All Arts and Sciences freshmen have an advising hold placed on their record requiring the student to meet with their A&S academic advisor prior to registration each semester. All students are encouraged to meet with their A&S advisor at least once each semester. Students experiencing academic difficulty (academic probation) should 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 within myUK GPS (Graduation Planning System). Students are expected to view their personalized degree audit prior to any advising session where scheduling for classes will be discussed. Routine questions concerning UK Core, college, major and minor requirements, grade-point average, repeat or bankruptcy options, transient student forms, credit overload requests, transfer credit equivalencies, forms required for graduation, and changing majors should be addressed to the student’s academic advisor.

For more information or to schedule an appointment with an advisor, visit www.as.uky.edu/advising

Dean’s List

A student who completes at least 12 credits of “letter” grades with a 3.60 or higher grade-point average with no I grades listed for the fall or spring semester will be named to the Dean’s List in the College of Arts and Sciences. CLEP, AP, special exam and Independent Study credits are excluded. The student’s cumulative grade-point average is not considered; only the grade-point average for that particular semester is relevant. Exceptional circumstances, including fewer than 12 credits, will be considered for inclusion on the Dean’s List; students should submit a petition to the A&S Advising Center, 202 Patterson Office Tower.

Commencement and Departmental Honors

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

Departments in the College of Arts & Sciences award departmental honors to their outstanding graduates. The standards for departmental honors are not collectively established by the College, but determined by each department. For details on departmental honors, see “Guide to A&S Departmental Honors Requirements” on pages 129-130. Address questions to the department awarding honors. Departmental honors are indicated on the student’s final transcript.

Scholarships

For information on general scholarships in the College, contact the A&S Advising Center, 202 Patterson Office Tower, (859) 257-8712, or www.as.uky.edu/scholarships. Students interested in scholarships in a specific major should contact the individual department.
## Guide to A&S Departmental Honors Requirements

<table>
<thead>
<tr>
<th>Major</th>
<th>Cumulative GPA</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>3.5</td>
<td>The honors program in the Department of Anthropology is a research-intensive experience in which the student works closely with a faculty mentor. Requirements are: (1) a cumulative GPA of 3.5 or higher; (2) a departmental Major GPA of 3.5 or higher; (3) a research component designed by the student and the faculty mentor.</td>
</tr>
<tr>
<td>Biology</td>
<td>3.5</td>
<td>Biology majors are eligible for Honors in Biology if they: (1) Complete 6 hours of BIO 395. (2) Have an overall 3.5 GPA on graduation. (3) Successfully complete two biology honors (BIO--H) courses or two honors-selected 500 or 600 level Biology (BIO) courses, or a combination of BIO--H and honors-selected 500/600 BIO courses. Each semester the honors-selected 500/600-level BIO courses will be identified by a course note in the course schedule: this note will state “fulfills an Honors in Biology course requirement”. (4) A public presentation of one’s research results. Such a presentation can be a journal article, a seminar given to a diverse group, a talk or a poster at a professional meeting, a thesis or some form of public presentation approved by the Director of Undergraduate Studies.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3.5</td>
<td>12 hours in CHE or BCH courses (other than CHE 440G, 441G, and 572) at or above the 300 level. At least 6 of those hours must be in CHE 395. 3.5 cumulative GPA and 3.5 major GPA or above.</td>
</tr>
<tr>
<td>Earth and Environmental</td>
<td>3.5</td>
<td>3.3 cumulative GPA and senior thesis or 3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA and a major GPA of 3.2 or above.</td>
</tr>
<tr>
<td>English</td>
<td>3.75</td>
<td>(1) 3.75 major GPA or above in courses taken at UK which count toward the English major. (2) At least 8 such courses taken at UK (i.e., not transferred). (3) Successful completion of at least one designated ENG honors seminar with a grade of <strong>B</strong> or higher.</td>
</tr>
<tr>
<td>Environmental and Sustainability Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA.</td>
</tr>
<tr>
<td>Gender and Women’s Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>Geography</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>Health, Society, and</td>
<td>3.6</td>
<td>3.6 or above major GPA.</td>
</tr>
<tr>
<td>Populations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hispanic Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in 300-500 level Spanish courses.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Major</th>
<th>Cumulative GPA</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3.5</td>
<td>Minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of <strong>A</strong> or <strong>B</strong> in HIS 301 and HIS 499.</td>
</tr>
<tr>
<td>International Studies</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.5 or above.</td>
</tr>
<tr>
<td>Linguistics</td>
<td>3.75</td>
<td>3.75 cumulative GPA or above in courses taken at UK which count or could count toward the linguistics major and premajor. At least 8 such courses taken at UK (i.e., not transferred).</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td>3.2</td>
<td>3.2 cumulative GPA or above and 3.2 major GPA or above.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Modern and Classical Languages, Literatures and Cultures</td>
<td>3.5</td>
<td>3.5 cumulative GPA and major GPA of 3.75 or above.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above in PHI courses, plus a senior thesis. Students are encouraged to enroll in PHI 395 for support in writing the senior thesis.</td>
</tr>
<tr>
<td>Physics</td>
<td>3.4</td>
<td>3.4 cumulative GPA or above and 3.4 major GPA or above in physics and astronomy. All students awarded department honors will have fully participated in independent study or research including the preparation of a final report; participation with a high grade in a 3-credit-hour PHY 395 or participation in a summer research experience are ways of achieving this. Other factors such as citizenship, leadership in the Society of Physics Students, and other meritorious activity will be considered in the selection of seniors for graduation with honors.</td>
</tr>
<tr>
<td>Political Science</td>
<td>3.5</td>
<td>In order to graduate with departmental honors in political science, a student must obtain at least a 3.5 GPA in the major and at least a 3.25 overall GPA. Additionally, honor students must complete PS 490, Honors in Political Science. In this course, students will be expected to carry out a major research project. Should that option be unavailable, however, students will have an opportunity to arrange completion of a major research project under faculty guidance as part of PS 395, the department’s Independent Study course, subject to approval from the Director of Undergraduate Studies.</td>
</tr>
<tr>
<td>Psychology</td>
<td>3.5</td>
<td>3.6 major GPA or above and successful completion of PSY 495 and PSY 496.</td>
</tr>
<tr>
<td>Sociology</td>
<td>3.5</td>
<td>3.5 cumulative GPA or above.</td>
</tr>
<tr>
<td>Topical</td>
<td>3.6</td>
<td>3.6 cumulative GPA or above and recommendation of the Associate Dean based on the final thesis.</td>
</tr>
<tr>
<td>Writing, Rhetoric, and Digital Studies</td>
<td>3.5</td>
<td>3.5 or above cumulative GPA and major GPA of 3.5 or above and GPA of 3.5 or above in 400-level WRD courses.</td>
</tr>
</tbody>
</table>
College Policy on Learning Disabilities

The College of Arts and Sciences anticipates that virtually all of its students will satisfy all of its requirements. However, any student who believes that he or she can show evidence – by diagnostic testing and/or psychological evaluation – that he or she has a learning disability which warrants course substitution of any specific college requirement may request such an exception from the College. Students should begin their inquiries and/or discussions in the UK Disability Resource Center, 407 Multidisciplinary Science Building, 725 Rose Street.

Readmission After a Two-Year Absence

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

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

ACADEMIC SUSPENSION AND REINSTATEMENT

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

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

THE BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREE

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

The B.S. degree requires three hours in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires 60 hours of physical, biological and/or mathematical sciences. The B.A. degree requires six hours in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires 39 hours in course work numbered at or above the 300 level.

College Requirements for a Bachelor of Arts Degree

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

To receive the Bachelor of Arts degree, students must:
1. Complete the UK Core requirements.
2. Complete the following college requirements:
   a. Foreign Language Requirement. Contact your advisor or the A&S Advising Center for an explanation of the Foreign Language Requirement.
   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, college or major requirements.
11. Complete University graduation requirements, the Graduation Composition and Communication 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. Contact your advisor or the A&S Advising Center for an explanation of the Foreign Language Requirement.
   b. Students must take three college hours in disciplines in the natural sciences.
   c. Students must take three college hours in disciplines in the social sciences.
   d. Students must take three college hours in disciplines in the humanities.
3. Complete at least 120 credit hours in courses acceptable to the College of Arts and Sciences.
4. Complete at least 90 credit hours in Arts and Sciences courses.
5. Complete at least 60 credit hours in the physical, biological and/or mathematical sciences.
6. Complete at least 39 credit hours within the major. At least 24 of these hours must be at or above the 300 level.
7. Complete at least one course that includes some laboratory or field experience. (See the description of the College Laboratory or Field Experience Requirement which follows.)
8. Attain an overall grade-point average of at least 2.0.
9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor requirements).
10. Complete a minimum of six credit hours of free electives. These college electives cannot be counted towards UK Core, college or major requirements.
11. Complete University graduation requirements, the Graduation Composition and Communication Requirement, and the residence requirement.
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 one semester credit hours earned in military science (AMS) and aerospace studies (AFS) are acceptable towards fulfilling both the College 90-hour and 120-hour requirement for the B.A. or B.S. degree. AMS/HIS 320 is not included in this 16-hour limit.
   d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See Experiential Education and Internship Course section within the Arts and Sciences section of the Bulletin.
   e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
   f. Courses transferred from other institutions and judged by the College to be equivalent or comparable to Arts and Sciences courses are acceptable.
   g. Usually the College will apply only six hours of technical course work taken at any institution.
   h. The student is permitted to elect and count toward graduation courses in other colleges within the University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Director of Undergraduate Studies/Program Director.
   i. Courses with an “S” grade designation or a “place holder” designation such as NSE (National Student Exchange) for 1 credit hour cannot be counted as credit toward a bachelor’s degree in Arts & Sciences. EAP 599, 1 credit hour, can count towards the A&S “hours” requirements for the degree.

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

4. CHE 230, 231, 232 and 233 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 800-899 cannot be counted as 300-level and above for the purpose of completing the 39 hours needed for the degree.

5. The following courses will count toward the required 60 credit hours in the physical, biological and/or mathematical sciences hours for the Bachelor of Science degree: all courses with a MA prefix (except MA 108R); all anatomy courses; all physiology courses; all biochemistry courses; all statistics courses; all computer science courses; DHN 101; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; 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
Students cannot double dip courses to satisfy the Arts and Sciences core requirement that students complete in each of the three areas – natural sciences, social sciences, and humanities. A course used to satisfy the natural sciences requirement may not be used to satisfy the social sciences or humanities requirement.

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

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

   a. BIO 101, 102, 201, 202, 442, 443
   b. CHE 101, 102, 201, 202
   c. CLA 101, 102, 131, 151, 152, 201, 202, 251, 252
   d. ENG 102, 207, 405, 407, 507, 509
   e. FR 101, 102, 106, 201, 202, 204, 307, 310, 507, 553, 570
   f. GER 011, 101, 102, 201, 202, 205, 206, 211, 212, 307, 308, 310, 507, 553, 612
   g. HIS 101, 102, 201, 202
   h. ITA 101, 102, 201, 202
   i. JPN 101, 102, 201, 202, 301, 302, 401, 402, JPN/ GEO 334, JPN/GEO 551
   j. LIN 520, 521
   k. PH 120, 320
   l. PS 417G, 471
   m. RUS 101, 102, 201, 202, 301, 302, 401, 404, 501, 502
   n. SPA 011, 101, 102, 103, 151, 201, 202, 203, 205, 210, 211, 215, 302, 313, 413, 501, 506, 553
   o. WRD 203, 204, 205, 306

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

   a. AMS 201
   b. ANT 515, 516, 519
   c. ART 100
   d. CMS 509
   e. GEO 201, 506
   f. MUS 203, 222, 301, 302, 303, 325

College Laboratory or Field Experience Requirement

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

Natural Sciences

   Biology – BIO 111, 115, 209
   Chemistry – CHE 111, 113
   Earth and Environmental Sciences – EES 160, 220
   Physics – PHY 211, 213, 241, 242

Social and Behavioral Sciences

   Anthropology – ANT 230, 541, 585
   Geography – GEO 406
   Political Science – PS 372
   Psychology – PSY 100, 215
   Sociology – SOC 302, 303
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 (202 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, 202 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.
College of Arts and Sciences

Interdisciplinary minors are also available in:

- African American studies
- American studies
- Appalachian studies
- cognitive science
- environmental and sustainability 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 outlined in the online degree audit system within myUK GPS (Graduation Planning System); 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, 202 Patterson Office Tower.

Awardsed minors appear on the student’s final transcript but not on his or her diploma.

The Preparation of Teachers

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

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

INFORMATION ON COURSES

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

The college will usually apply up to 6 hours of technical course work taken at any accredited institution including KCTCS. Beyond these 6 credit hours, courses will be evaluated on an individual basis and as it applies to the student’s baccalaureate degree program.

Independent Work Courses

A junior or senior may, with prior approval of his or her faculty advisor and the instructor who would direct the work, register for an independent work course in his or her major department. Normally, a cumulative GPA of 3.0 in the major is required. In exceptional circumstances a nonmajor or topical studies major may be permitted to enroll in a departmental independent work course.

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

Experiential Education and Internship Courses

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

ROTC Program

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

Please note that a maximum of 1 credit hour of KHP 107 will count toward degree requirements, regardless how many credits are earned.

AFROTC Curriculum

The AFROTC curriculum consists of both academic classes and leadership laboratory or seminar classes.

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

In the GMC, there are four academic classes:

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

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

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

In the POC, there are four academic classes:

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

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

These cover Air Force management and leadership and national security studies.

**Note:** Entry into the POC years is competitive and is based on:

- Air Force Officer Qualifying Test scores
- Grade-point average
- Evaluation by the AFROTC Detachment Commander
- Only physically qualified students in good academic standing may compete for entry into the POC.

- Typically, these courses are for those cadets who have already completed the courses in the GMC, but the courses are open to any UK student.

**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 six semester credit hours 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.
Students enrolled as cadets are required to be involved once a week in a 1-credit-hour course in the cadet corps training program designed to simulate a typical Air Force organization and its associated functions. This course is known as Leadership Laboratory. A cadet (only), UK students taking the courses electively are not required to take Leadership Laboratory but are also welcome, but cadets only are required to take all of the Leadership Laboratories each semester (fall and spring only) concurrent with their AFS courses listed above. Please call (859) 257-7115 for further inquiries on the matter.

GMC Years
Freshman Semesters
AFS 112 fall semesters
AFS 114 spring semesters

Sophomore Semesters
AFS 212 fall semesters
AFS 214 spring semesters

POC Years
Junior Semesters
AFS 312 fall semesters
AFS 314 spring semesters

Senior Semesters
AFS 412 fall semesters
AFS 414 spring semesters

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.

Leadership Evaluation and Development
Leadership Evaluation and Development (LEAD) is offered at Maxwell Air Force Base in Alabama. LEAD 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. LEAD courses include cadet orientation, survival training, officer training, aircraft and aircrew orientation, physical training, organizational and functional aspects of an Air Force base, career orientation, small arms familiarization, first aid, and other supplemental training.

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

Minor in Military Leadership
The Military Leadership Minor provides students with a broad perspective on the military with analysis of the Army and Air Force service branches of the Armed Forces, as well educating students on historical and social scientific perspectives. This minor is open to students who are enrolled in Bachelor’s degree programs at the University of Kentucky, and is designed to produce rounded leaders in the academic environment as well as in a professional setting.

The Military Leadership Minor requires 20 credit hours from the following:

Required Courses
one of the following groups (3 credits):
AMS 101 Introduction to the Army.................................2
AFS 111 Aerospace Studies I.......................................1
or
AMS 102 Introduction to Leadership............................2
AFS 113 Aerospace Studies I.......................................1
one of the following groups (5 credits):
AMS 212 Advanced Leadership II..............................2
AMS 301 Leadership and Management I.......................3
or
AFS 211 Aerospace Studies II.................................1
AFS 213 Aerospace Studies II.................................1
AFS 311 Aerospace Studies III...............................3
one of the following groups (6 credits):
AMS 302 Advanced Tactics.......................................3
AMS/HIS 320 Advanced Studies in American Military History..........................3
or
AFS 313 Aerospace Studies III...............................3
AFS 411 Aerospace Studies IV..................................3

Guided Electives
two of the following courses (6 credits):
CLD 230 Intrapersonal Leadership.............................3
CLD 530 Fundamentals of Organizational Leadership........3
HIS 119 War and Society, 1350-1914..........................3
HIS 121 War and Society, 1914-1945..........................3
HIS 122 War and Society Since 1945..........................3
HIS 357 Japan at War, 1850 to the Present...................3
GEO 109 Digital Mapping.........................................3
GEO 130 Earth’s Physical Environment........................3
GEO 133 Science and Policy of Natural Hazards.............3
GEO 160 Lands and Peoples of the Non-Western World....3
GEO 162 Introduction to Global Environmental Issues......3
GEO 163 Global Conflicts..........................................3
GEO 172 Human Geography......................................3
GEO 222 Cities of the World......................................3
GEO 255 Geography of the Global Economy..................3
GEO 261 Global Dynamics of Health and Disease.............3
GWS 302 Gender Across the World (Subtitle required).......3
ANT 160 Cultural Diversity in the Modern World.............3
PSY 320 Introduction to Forensics: Psychology and Legal Issues..................................................3
A-H 360 Visual Culture of Politics...............................3
PS 101 American Government....................................3
PS 235 Introduction to International Relations..............3
SOC/CLD 380 Globalization: A Cross-Cultural Perspective....3
GER 342 War, Peace, and Terror in Germany and Europe....3
JPN 351 The Japanese Experience of the Twentieth Century..3
WRD 204 Technical Writing......................................3

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

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

Students can major or minor in anthropology. The major is structured to provide the student with a broad overview of the major subdisciplines: cultural anthropology, physical anthropology and archaeology. It also allows sufficient flexibility for a student to concentrate on a specific area of interest.

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

Bachelor of Arts with a major in ANTHROPOLOGY

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

III. Intellectual Inquiry in the Social Sciences
One of the following:
ANT 101 What Makes Us Human? Intro to Anthropology
ANT 102 Archaeology: Mysteries and Controversies
ANT 103 Sports, Culture, and Society
ANT 335 Religion in Everyday Life
ANT 339 Human Rights in Global Perspective

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
ANT 230 Introduction to Biological Anthropology
Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 4

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

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in ANTHROPOLOGY

120 hours (minimum)

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

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

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

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

III. Intellectual Inquiry in the Social Sciences
One of the following:
ANT 101 What Makes Us Human? Intro to Anthropology
ANT 102 Archaeology: Mysteries and Controversies
ANT 103 Sports, Culture, and Society
ANT 335 Religion in Everyday Life

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
ANT 230 Introduction to Biological Anthropology

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
ANT 360 Statistics in Anthropology

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

IX. Community, Culture and Citizenship in the USA
One of the following:
ANT 221 Native People of North America
ANT 330 North American Cultures

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

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

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

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

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

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

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

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

IV. Electives ..................................................................... 9-23

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

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

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

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

Subtotal: Major requirements: ......................... 39

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

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

*Course used towards completion of a UK Core Requirement.

Minor in Anthropology

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

Preminor Courses (9 hours)
Students must take ANT 220, 230, 240.

Additional Courses (12 hours)*
Students must take four ANT courses from at least two subdisciplines. Two courses must be at the 200 level or above and two courses must be at the 300 level or above.
**Biology**

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

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

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

**UK Core Requirements**

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

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

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

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

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

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

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

VII. Quantitative Foundations
     MA 137 Calculus I With Life Science Applications  .......... 4
     or MA 113 Calculus I  
     or MA 121 Elementary Calculus and its Applications ......... 4

VIII. Statistical Inferential Reasoning
      STA 296 Statistical Methods and Motivations ............... 3

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

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

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

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

Choose one of three options:

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

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

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

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

**College Requirements**

- Humanities – two courses .......................................... 6
- Social Science – two courses ................................. 6
- Third and fourth semesters of language ........................ 6
- Free Electives ................................. 6
- Lab or Field Experience – satisfied by major

**Graduation Writing Requirement** (choose any GWR Humanities 300-level course; this will also count as one of the two Humanities courses in the College Requirements)

UK Core and College hours: .................. 57 (45)

**Premajor Requirements**

BIO 148 Introductory Biology I ............................... 3
BIO 152 Principles of Biology II ............................. 3
BIO 155 Laboratory for Introductory Biology I  ......... 3
BIO 198 Scholars Biology Research .................................. 1-2
†CHE 105 General College Chemistry I ................. 4
CHE 111 Laboratory to Accompany General Chemistry I ...... 1
CHE 107 General College Chemistry II ..................... 3
CHE 113 Laboratory to Accompany General Chemistry II ...... 2
MA 137 Calculus I With Life Science Applications ......... 4
MA 113 Calculus I  
MA 123 Elementary Calculus and its Applications ......... 4
Free Elective ................................................... 0-1

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

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

**Major Requirements**

Minimum major requirement for graduation is 54 credit hours in courses as detailed below. The minimum GPA of all major and premajor courses must be at least 2.0.

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

Second Tier Core
To be taken after completion of First Tier Core.
Choose two of the following to complete 8 hours:
BIO 350 Animal Physiology  
BIO 430G Plant Physiology ................................. 4
BIO 315 Introduction to Cell Biology .......................... 4
BIO 325 Ecology ............................................... 4

College Electives

- **Biology Electives – A minimum of 9 of the 4-9 upper-level elective credit hours must be BIO courses (i.e., have a BIO prefix). If fewer than 6 hours are required to complete the requirements, all hours must be upper-level elective BIO courses. A maximum of 3 credits of independent research course work may be used in this section.
- **Other Courses Taken to Meet Major Requirements**
  - CHE 105 General College Chemistry I ................. 4
  - CHE 110 Laboratory to Accompany General Chemistry I ...... 1
  - **Biology Electives – A minimum of 9 of the 13-15 upper-level elective credit hours must be BIO courses (i.e., have a BIO prefix). A maximum of 6 credits of independent research course work may be used in this section.

**Other Course Work Required for the Major**

- From Outside the Major Department
  - CHE 236/231 Survey of Organic Chemistry/Chemistry Laboratory I 4
  - CHE 230/231 Organic Chemistry II/Laboratory I 4
  - PHY 211 General Physics 4
  - 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: ................................................. 20

**OPTIONS**

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

**Option A – Minor Option**

NOTE: 14 of these hours must be at the 300-level or above.

Complete the requirements for any minor other than the biology minor ................................................. 18-21
**Biology Electives – A minimum of 6 of the 4-9 upper-level elective credit hours must be BIO courses (i.e., have a BIO prefix). If fewer than 6 hours are required to complete the requirements, all hours must be upper-level elective BIO courses. A maximum of 3 credits of independent research course work may be used in this section.

If students double-dip major and minor requirements, additional biology electives must be taken to meet the graduation requirement of 54 hours for the B.A. in Biology.

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

**Option B – Topical Focus Option**

NOTE: 14 of these hours must be at the 300-level or above.

Complete a 12 credit hour sequence of courses with a topical focus. At least 6 of these hours must be at the 300-level or above ................................................................. 12
**Biological Electives – A minimum of 9 of the 13-15 upper-level elective credit hours must be BIO courses (i.e., have a BIO prefix). A maximum of 6 credits of independent research course work may be used in this section.

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

Hours to be chosen from 300+ level BIO courses or the list below. Note: ANA 209, BIO 208, BIO 209 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (for example BIO 425, BIO 426, BIO 427) may be counted within this elective requirement.
Biology Electives
Hours to be chosen from 300+ level BIO courses or the list below. For the B.A. with Topical Focus option, a minimum of 39 of the 13-15 upper-level elective credit hours must be BIO courses. For the B.A. with Minor option, a minimum of 9 of the 15 upper-level elective credit hours must be BIO courses. If fewer than 6 hours are required to complete the requirements, all hours must be upper-level BIO courses. Note: BIO 208, BIO 209 and BIO 209 cannot be used for this requirement. A maximum of 1 credit hour of seminar course work (for example BIO 425, BIO 426, BIO 427) may be counted within this elective requirement.

Acceptable upper-level electives for the B.A. in Biology:
BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (BIO 208 and BIO 209 CANNOT be used to satisfy the upper-level requirement for the B.A., B.S. or minor in Biology.

BIO 460
ANA 511*, 512*, 516* (some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students)

ANT 332
ASC 364, 378

BCH 401G


EES 401G

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

FOR 340*, 402*

FSC 530*

MI 494G, 595*, 598

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

PGY 412G, 560, 590 (PGY 412G is acceptable as an elective for upper-level biology credit only if a student does NOT complete BIO 150, PGY 412G does not substitute for BIO 350 or BIO 430G)

PLS 320*, 332*, 366, 450G, 502, 566, 567*

PPA 400G*

PSY 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

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

*Lab courses that satisfy upper-level lab requirement.

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

Bachelor of Science with a major in BIOLOGY

120 hours (minimum)

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

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

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

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

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
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 or
MA 137 Calculus I With Life Science Applications .......... 4

VIII. Statistical Inferential Reasoning
STA 296 Statistical Methods and Motivations .................. 3

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

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

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

Graduation Composition and Communication Requirement (GCCR)
Choose one of three options:
1. BIO 425 Biology Seminar (Subtitle required)
   and
   BIO 350 Animal Physiology ......................................... 5

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

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

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

College Requirements

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 or
   BIO 198 Scholars Biology Research .............................. 1-2

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

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

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

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

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

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

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

Major Requirements
Minimum major requirement for graduation is 56 credit hours in courses not open to freshmen. The minimum GPA of all major and premajor courses must be at least 2.0.

Major Core

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

Second Tier Core
To be taken after completion of First Tier Core.

BIO 315 Introduction to Cell Biology ............................... 4
BIO 325 Ecology .......................................................... 4

BIO 350 Animal Physiology or
   BIO 430G Plant Physiology ........................................ 4

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

BIO 425 Biology Seminar (Subtitle required) or
   BIO 499 Biology Research Seminar ......................... 1

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

Other Course Work Required for the Major

From Outside the Major Department

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

CHE 231 Organic Chemistry Laboratory I ...................... 1

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

PHY 211 General Physics or
   PHY 231/241 General University Physics/Laboratory AND
   PHY 213 General Physics or
   PHY 232/242 General University Physics/Laboratory .................. 10

Biology Electives

Choose 15 hours of acceptable biology electives ............ 15
15 hours to be chosen from 300+ level BIO courses or the list below. At LEAST 9 OF THE 15 HOURS MUST BE BIO courses. One course must have lab, one of which may be BIO 395. A maximum of 6 hours of Independent Research course work from biological sciences departments may be counted within the 15 hour requirement. NOTE: BIO 209, BIO 208, BIO 209 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (ex. BIO 425, BIO 426, BIO 427) may be counted within the 15 hour requirement.

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

Acceptable upper-level electives for the B.S. in Biology:
BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (BIO 208 and BIO 209 CANNOT be used to satisfy the upper-level requirement for the B.A., B.S. or minor in Biology.

University of Kentucky
**Minor in Microbiology**

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

**Minor Requirements**

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

One course from the following:

- BIO/MI 494G Immunobiology ........................................... 3
- BIO/MI 495G Bacterial Pathogenesis ................................ 3
- BIO/MI 582 Virology ..................................................... 3

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

**Minor Electives**

Select 7 or 8 hours of electives (to make a total of 19 hours for the minor) from:

- BIO 397 Research in Microbiology ................................ 1-3
- BIO 427 Seminar in Microbiology (Subtitle required) ......... 1
- ABT/BIO/ENT/FOR 461 Introduction to Population Genetics ......................................................... 3

- CPH 310 Disease Detectives: Epidemiology in Action ................. 3
- FSC 530 Food Microbiology ............................................. 5
- PLS 566 Soil Microbiology .............................................. 3
- PLS 567 Methods in Soil Microbiology .............................. 1
- PPA 500 Physiology of Plant Health and Disease ............. 3
- Other microbiology-related courses at the 300-level or above, as approved by the Director of Undergraduate Studies for the Microbiology minor.

High achieving students may take advanced level coursework from permission of the Dean of the Graduate School is required to register for these courses:

- FSC 632 Foodborne Disease Agents ................................ 3
- PPA 650 Fungal Biology .................................................. 3
- PPA 670 Plant Bacteriology ............................................ 1
- PPA 671 Advanced Plant Virology ..................................... 2

**Minor in Biology**

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

**Preminor Requirements**

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

**Minor Requirements**

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

**Minor Electives**

Approved 300+ level BIO courses or courses from the approved list. At least 3 of the 6 minor electives must be BIO courses (i.e., have a BIO prefix). Up to 3 hours of life science independent research course work can be counted here.

**Approved list:**

- (Note: BIO 208 and BIO 209 CANNOT be used to satisfy the upper-level elective requirement for the Minor in Biology.)
- ANT 332
- EES 401G
- PSY 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 may depend upon the area of biology in which you choose to specialize.)
- ABT 460
- ASC 364, 378
- ENT 310, 320, 402, 460, 561, 564, 568
- FOR 340, 402
- FSC 530

**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 three options in the B.S. program: a traditional track covering all the major areas of chemistry, an option that emphasizes biochemistry and an option in materials chemistry. The Biochemistry and Traditional 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 to perhaps pursue more diverse degree options, including dual and double majors. For all majors CHE 109 and CHE 110 have been defined as equivalent to CHE 105. The Department also offers the Master of Science and the Doctor of Philosophy degree.

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

122 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. Please also note that the Organic Chemistry Sequence (CHE 230/231/232/233) will count towards completion of this requirement. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

**III. Intellectual Inquiry in the Social Sciences**

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

MA 113 Calculus I ........................................................... 4
**College of Arts and Sciences**

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

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

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

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

**Graduation Composition and Communication Requirement (GCCR)**
WRD 310 Writing in the Natural Sciences ...................... 3

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

**College Requirements**
I. Foreign Language (placement exam recommended) .......... 0-14
   a. Natural Science (completed by Major Requirements) .......
   b. Social Science ...................................................... 6
   c. Humanities ........................................................... 6

II. Disciplinary Requirements
   a. General Chemistry I .................................................. 1
   b. CIS/WRD 110 Composition and Communication I ............. 3
   c. MA 113 Calculus I .................................................... 4
   d. UK 101 Academic Orientation ...................................... 1
   e. UK Core – Arts and Creativity ..................................... 3

**Other Course Work Required for the Major**
CHE 440G Introductory Physical Chemistry....................... 3

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

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

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

*Course used towards completion of a UK Core Requirement.

**Curriculum for B.A. in Chemistry**

**Freshman Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 105 General College Chemistry I .......................... 4</td>
<td></td>
</tr>
<tr>
<td>CHE 111 Laboratory to Accompany General Chemistry I .......................... 1</td>
<td></td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I .......... 3</td>
<td></td>
</tr>
<tr>
<td>MA 113 Calculus I ..................................................... 4</td>
<td></td>
</tr>
<tr>
<td>UK 101 Academic Orientation .................................. 1</td>
<td></td>
</tr>
<tr>
<td>UK Core – Arts and Creativity ................................. 3</td>
<td></td>
</tr>
</tbody>
</table>

**Second Semester**

| CHE 107 General College Chemistry II .......................... 3 |
| CHE 113 Laboratory to Accompany General Chemistry I .......................... 1 |
| MA 114 Calculus II ..................................................... 4 |
| CIS/WRD 111 Composition and Communication II ........... 3 |
| UK Core – Humanities ............................................... 3 |

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 230 Organic Chemistry I ..................................... 3</td>
<td></td>
</tr>
<tr>
<td>CHE 231 Organic Chemistry Laboratory I .......................... 1</td>
<td></td>
</tr>
<tr>
<td>PHY 211 General Physics ........................................... 5</td>
<td></td>
</tr>
<tr>
<td>STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ............... 3</td>
<td></td>
</tr>
<tr>
<td>UK Core – Social Sciences ........................................ 3</td>
<td></td>
</tr>
</tbody>
</table>

**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 |
| UK Core – Citizenship - USA ................................. 3 |

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 440G Introductory Physical Chemistry ...................... 3</td>
<td></td>
</tr>
<tr>
<td>WRD 310 Writing in the Natural Sciences .......................... 3</td>
<td></td>
</tr>
<tr>
<td>Foreign Language I .................................................. 4</td>
<td></td>
</tr>
<tr>
<td>A&amp;S Humanities .......................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Major Field Option* .................................................. 3</td>
<td></td>
</tr>
</tbody>
</table>

**Second Semester**

| CHE 441 Physical Chemistry Laboratory .......................... 2 |
| A&S Social Science ...................................................... 3 |
| Major Field Option* .................................................. 3 |
| Major Field Option* .................................................. 3 |

**Senior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language III .................................................. 3</td>
<td></td>
</tr>
<tr>
<td>Major Field Option* .................................................. 3</td>
<td></td>
</tr>
<tr>
<td>Major Field Option* .................................................. 3</td>
<td></td>
</tr>
<tr>
<td>A&amp;S Humanities .......................................................... 3</td>
<td></td>
</tr>
<tr>
<td>UK Core – Global Dynamics ........................................... 3</td>
<td></td>
</tr>
</tbody>
</table>

**Second Semester**

| Major Field Option* .................................................. 3 |
| Major Field Option* .................................................. 3 |
| A&S Social Science ...................................................... 3 |
| Elective ................................................................. 3 |
| 300+ Elective ......................................................... 3 |

*Major field options (21 credits) must be chosen from courses at the 300- to 500-level with the prefixes CHE, ANA, BCH, BSO, CME, CS, EES, MA, MI, MRE, PAT, PGY, PHA, PHR, PHY, PM, RM, 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 5 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 6 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 of 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 9 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.

**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 page 131.

**UK Core Requirements**

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

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

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

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

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

**Certification Requirements**

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

**Bachelor of Science with a major in CHEMISTRY**

**Biochemistry Option**

128 hours

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

**UK Core Requirements**

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

### I. Intellectual Inquiry in Arts and Creativity

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

### II. Intellectual Inquiry in the Humanities

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

### III. Intellectual Inquiry in the Social Sciences

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

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

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

### V. Composition and Communication I

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

### VI. Composition and Communication II

Choose one from approved list ............................................. 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

---

**Curriculum for B.S. in Chemistry**

**Traditional Option**

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First</strong></td>
<td></td>
</tr>
<tr>
<td>CHE 105 General College Chemistry I ..................</td>
<td>4</td>
</tr>
<tr>
<td>CHE 111 Laboratory to Accompany General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>MA 213 Calculus III ........................................</td>
<td>4</td>
</tr>
<tr>
<td>MA 114 Calculus II ..........................................</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I .......</td>
<td>3</td>
</tr>
<tr>
<td>MA 113 Calculus I ...........................................</td>
<td>4</td>
</tr>
<tr>
<td>UK 101 Academic Orientation ..............................</td>
<td>1</td>
</tr>
<tr>
<td>UK Core – Arts and Creativity ............................</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First</strong></td>
<td></td>
</tr>
<tr>
<td>CHE 226 Analytical Chemistry ..............................</td>
<td>3</td>
</tr>
<tr>
<td>CHE 230 Organic Chemistry I ................................</td>
<td>3</td>
</tr>
<tr>
<td>MA 213 Calculus III ........................................</td>
<td>4</td>
</tr>
<tr>
<td>PHY 231 General University Physics ........................</td>
<td>4</td>
</tr>
<tr>
<td>PHY 241 General University Physics Laboratory ..........</td>
<td>1</td>
</tr>
<tr>
<td>MA 114 Calculus II ..........................................</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication II .......</td>
<td>3</td>
</tr>
<tr>
<td>UK Core – Humanities .......................................</td>
<td>3</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First</strong></td>
<td></td>
</tr>
<tr>
<td>CHE 410G Inorganic Chemistry ................................</td>
<td>2</td>
</tr>
<tr>
<td>CHE 441 Physical Chemistry Laboratory ...................</td>
<td>2</td>
</tr>
<tr>
<td>CHE 442G Thermodynamics and Kinetics .....................</td>
<td>2</td>
</tr>
<tr>
<td>CHE 532 Spectrometric Identification of Organic Molecules</td>
<td>3</td>
</tr>
<tr>
<td>CHE 533 Advanced Organic Chemistry Laboratory ..........</td>
<td>2</td>
</tr>
<tr>
<td>CHE 547 Principles of Physical Chemistry I .............</td>
<td>3</td>
</tr>
<tr>
<td>MA 550 Biological Chemistry I ................................</td>
<td>3</td>
</tr>
<tr>
<td>CHE 552 Biological Chemistry II ............................</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First</strong></td>
<td></td>
</tr>
<tr>
<td>CHE 412 Inorganic Chemistry Laboratory ..................</td>
<td>2</td>
</tr>
<tr>
<td>CHE 422 Instrumental Analysis ................................</td>
<td>4</td>
</tr>
<tr>
<td>CHE 550 Biological Chemistry I ............................</td>
<td>3</td>
</tr>
<tr>
<td>WRD 310 Writing in the Natural Sciences ...............</td>
<td>3</td>
</tr>
<tr>
<td>Major Field Option ..........................</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language III* ..................................</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Field Option ........................................</td>
<td>3</td>
</tr>
<tr>
<td>A&amp;S Social Science ..........................................</td>
<td>3</td>
</tr>
<tr>
<td>Electives .......................................................</td>
<td>6</td>
</tr>
<tr>
<td>UK Core – Global Dynamics ..................................</td>
<td>3</td>
</tr>
</tbody>
</table>

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

**UK Core hours**

33

---

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

WRD 310 Writing in the Natural Sciences ............... 3

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

3

---

**College Requirements**

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

II. Disciplinary Requirements

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

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

2-3

---

**University of Kentucky** 2017-2018 Undergraduate Bulletin 141
## Curriculum for B.S. in Chemistry

### Biochemistry Option

#### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 105</td>
<td>4</td>
<td>General College Chemistry I</td>
</tr>
<tr>
<td>CHE 111</td>
<td>2</td>
<td>Laboratory to Accompany General Chemistry I</td>
</tr>
<tr>
<td>MA 113</td>
<td>4</td>
<td>Calculus I</td>
</tr>
<tr>
<td>CIS/WRD 110</td>
<td>4</td>
<td>Composition and Communication I</td>
</tr>
<tr>
<td>UK Core - Arts and Creativity</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Second</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 107</td>
<td>3</td>
<td>General College Chemistry II</td>
</tr>
<tr>
<td>CHE 113</td>
<td>2</td>
<td>Laboratory to Accompany General Chemistry II</td>
</tr>
<tr>
<td>MA 114</td>
<td>4</td>
<td>Calculus II</td>
</tr>
<tr>
<td>BIO 148</td>
<td>3</td>
<td>Introductory Biology I</td>
</tr>
<tr>
<td>BIO 155</td>
<td>1</td>
<td>Laboratory for Introductory Biology</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 230</td>
<td>3</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>BIO 152</td>
<td>3</td>
<td>Principles of Biology II</td>
</tr>
<tr>
<td>MA 213</td>
<td>4</td>
<td>Calculus III</td>
</tr>
<tr>
<td>PHY 231</td>
<td>4</td>
<td>General University Physics</td>
</tr>
<tr>
<td>PHY 241</td>
<td>3</td>
<td>General University Physics Laboratory I</td>
</tr>
<tr>
<td>STA 210</td>
<td>1</td>
<td>Making Sense of Uncertainty: An Introduction to Statistical Reasoning</td>
</tr>
<tr>
<td>Second</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 226</td>
<td>3</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CHE 231</td>
<td>1</td>
<td>Organic Chemistry Laboratory I</td>
</tr>
<tr>
<td>CHE 232</td>
<td>2</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>PHY 232</td>
<td>3</td>
<td>General University Physics</td>
</tr>
<tr>
<td>PHY 242</td>
<td>1</td>
<td>General University Physics Laboratory II</td>
</tr>
<tr>
<td>UK Core - Humanities</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 440G</td>
<td>3</td>
<td>Introductory Physical Chemistry</td>
</tr>
<tr>
<td>CHE 422</td>
<td>4</td>
<td>Instrumental Analysis</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 532</td>
<td>2</td>
<td>Spectrometric Identification of Organic Molecules/Advanced Organic Chemistry Laboratory</td>
</tr>
<tr>
<td>CHE 550</td>
<td>3</td>
<td>Biological Chemistry I</td>
</tr>
<tr>
<td>CHE 552</td>
<td>3</td>
<td>Biological Chemistry II</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 410G</td>
<td>3</td>
<td>Inorganic Chemistry</td>
</tr>
<tr>
<td>CHE 454</td>
<td>2</td>
<td>Biological Chemistry Laboratory I</td>
</tr>
<tr>
<td>CHE 533</td>
<td>2</td>
<td>Advanced Organic Chemistry Laboratory (if CHE 532 taken)</td>
</tr>
<tr>
<td>CHE 552</td>
<td>3</td>
<td>Biological Chemistry II</td>
</tr>
<tr>
<td>BIO 304</td>
<td>4</td>
<td>Principles of Genetics</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 308</td>
<td>3</td>
<td>General Microbiology</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 315</td>
<td>3</td>
<td>Introduction to Cell Biology</td>
</tr>
<tr>
<td>Foreign Language**</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 442G Introductory Physical Chemistry</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

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

### Certification Requirements

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

### Bachelor of Science with a major in CHEMISTRY

#### Materials Option

**128 hours**

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 page 131.

#### UK Core Requirements

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

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

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

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

4. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   - CHE 105 General College Chemistry 4
   - CHE 111 Laboratory to Accompany General Chemistry I 2

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

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

7. Quantitative Foundations
   - MA 113 Calculus I 4

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

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

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

### 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.*
Graduation Composition and Communication Requirement (GCCR)
WRD 310 Writing in the Natural Sciences .................................. 3

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

College Requirements

I. Foreign Language (placement exam recommended) .................................................. 0-14
II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) ............................................ 3
b. Social Science ........................................................................................................... 3
c. Humanities ............................................................................................................. 3
III. Laboratory or Field Work (completed by Premajor Requirement) ................. 4
IV. Electives .................................................................................................................. 6

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

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

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

Major Requirements

Major Core Requirements
MSE 201 Materials Science ............................................................................... 3
CHE 226 Analytical Chemistry .......................................................................... 3
CHE 230 Organic Chemistry I ............................................................................ 3
CHE 231 Organic Chemistry Laboratory I ..................................................... 1
CHE 232 Organic Chemistry II .......................................................................... 3
CHE 410G Inorganic Chemistry Laboratory .................................................. 2
CHE 412 Inorganic Chemistry Laboratory ....................................................... 2
CHE 441 Physical Chemistry Laboratory .......................................................... 2
CHE 516 Inorganic Chemistry Laboratory ....................................................... 3
CHE 532 Spectrometric Identification of Organic Molecules ......................... 2
CHE 533 Advanced Organic Chemistry Laboratory ........................................ 2
CHE 536 Organic Materials: Electronic and Photonic Properties .................. 3
CHE 547 Principles of Physical Chemistry I ................................................... 3
CHE 566 Organic Materials: Characterization and Devices ......................... 3
CHE 567 Organic Materials: Fabrication Laboratory ........................................ 2
CHE 568 Organic Materials: Characterization and Devices ......................... 3
MA 113 Calculus I .............................................................................................. 4

Major Core hours: .............................................................................................. 40

Other Course Work Required for the Major
From the Major Department:
Chemistry Major Field Options ................................................................. 6
Choose 6 hours from the following: up to 6 hours of CHE 395, any CHE 500-level course except for those required (CHE 422/522/533/550 or 552); BCH 401G.

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

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

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

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

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

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

Curriculum for B.S. in Chemistry
Materials Chemistry Option

Freshman Year
First Semester Hours
CHE 105 General College Chemistry I ......................................................... 4
CHE 111 Laboratory to Accompany General Chemistry I .......................... 1
CIS/WRD 110 Composition and Communication I ................................. 3
MA 113 Calculus I ........................................................................................... 4
STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning ................................. 3

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

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

Second Semester
CHE 226 Analytical Chemistry ..................................................................... 3
CHE 232 Organic Chemistry II ........................................................................ 3
PHY 232 General University Physics .............................................................. 4
PHY 242 General University Physics Laboratory .......................................... 1
UK Core – Arts and Creativity ......................................................................... 3
UK Core – Humanities ....................................................................................... 3

Junior Year
First Semester Hours
MSE 201 Materials Science ............................................................................ 3
CHE 547 Principles of Physical Chemistry I ................................................... 3
CHE 532 Spectrometric Identification of Organic Molecules ......................... 2
CHE 576 Polymer Chemistry ............................................................................ 3
WRD 310 Writing in the Natural Sciences ....................................................... 3
A&S Humanities ................................................................................................... 3

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

Senior Year
First Semester Hours
CHE 412 Inorganic Chemistry Laboratory .................................................... 2
CHE 536 Organic Materials: Electronic and Photonic Properties ................. 3
Major Field Option ............................................................................................ 3
A&S Social Sciences .......................................................................................... 3
A&S Free Elective ............................................................................................... 3
UK Core - Citizenship - USA ............................................................................. 3

EARTH AND ENVIRONMENTAL SCIENCES

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

Students in earth and environmental sciences earn the Bachelor of Science or Bachelor of Arts degree with a major in Geological Sciences. The B.S. program is designed for students who plan a career as a professional geologist or who plan to attend graduate school. The B.A. program is designed for students planning a career in public policy relating to earth science and environmental...
issues, earth-science education, business (environmental consulting), environmental law, or environmental medicine.

Bachelor of Arts with a major in GEOLOGICAL SCIENCES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

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

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

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

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Fulfilled by Premajor Requirement – CHE 105/CHE 111

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

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

VII. Quantitative Foundations
Fulfilled by Premajor Requirement – MA 113 or MA 115

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

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

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

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

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

College Requirements

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

II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) ........ 4
b. Social Science (can be partially fulfilled by Major Requirements) ........ 6
c. Humanities .................................................. 6

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

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

Major Requirements

EES 235 Fundamentals of Geology II ......................... 3
EES 350 Regional Historical Geology ....................... 3
EES 360 Mineralogy ............................................ 4
EES 420G Structural Geology ................................ 4
EES 450G Sedimentary Geology ............................... 4
EES 461 Igneous and Metamorphic Petrology ............... 4

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

Other Course Work Required for the Major

From the Major Department:
Elec I ....................................................................... 6
Choose 6 hours of EES courses at the 400+ level, not to include EES 495 or 496
Elec II ....................................................................... 6
Choose 6 additional hours of 300+ EES or related courses
NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY and EES Elective II Requirements ........................................... 3-14

Other Major hours: .............................................. 0-17
Total Minimum Hours Required for Degree .................. 120

Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in GEOLOGICAL SCIENCES

120 hours (minimum)

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

UK Core Requirements

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

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

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

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Fulfilled by Premajor Requirement – CHE 105/CHE 111

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

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

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

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

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

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

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

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

College Requirements

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

II. Disciplinary Requirements
a. Natural Science (completed by Major Requirements) ........ 4
b. Social Science .................................................. 3
c. Humanities .................................................. 3

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

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

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

Premajor Requirements

*MA 113 Calculus I ............................................... 4
MA 114 Calculus II ............................................... 4
*CHE 105 General College Chemistry I ....................... 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
EES 220 Principles of Physical Geology ....................... 4
EES 230 Fundamentals of Geology I ............................ 3
EES 235 Fundamentals of Geology II ......................... 3
EES 295 Geoscience Orientation ................................ 1

Premajor hours: ............................................... 29

Major Requirements

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

Major Core hours: ............................................. 25
College of Arts and Sciences

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

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

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

From the Physics Department
*PHY 211/213 General Physics or
*PHY 231/232/241/242 General University Physics .. 10
NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY Sequence and EES Elective II Requirements .............................................. 0-4

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

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

*Course used towards completion of a UK Core Requirement.

Minor in Geological Sciences

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

EES 220 Principles of Physical Geology ................. 4
EES 230 Fundamentals of Geology I ......................... 3
EES 235 Fundamentals of Geology II ......................... 3
Plus 9 hours in EES courses at the 300 level or higher ... 9

ECONOMICS

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

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

Bachelor of Arts with a major in ECONOMICS

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

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

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

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

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

VII. Quantitative Foundations
MA 123 Elementary Calculus and its Applications or
MA 113 Calculus I ...................................................... 4

VIII. Statistical Inferential Reasoning
STA 296 Statistical Methods and Motivations .............. 3

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

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

UK Core hours: ......................................................... 31

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

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

College Requirements

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

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

Premajor Requirements
*MA 113 Calculus I
or
*MA 123 Elementary Calculus and its Applications and
MA 162 Finite Mathematics and its Applications ... 4-7
ECO 201 Principles of Economics I ......................... 3
ECO 202 Principles of Economics II ......................... 3
STA 296 Statistical Methods and Motivations ............ 3

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

Major Requirements

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

Major Core hours: .................................................. 12

Other Course Work Required for the Major
From the Major Department:
Choose 9-15 hours of 300+ level economics courses of which at least 6 hours must be at the 400+ level 9-15

From Outside the Major Department
Choose 15-21 hours outside Economics at the 200+ level, with at least 6 hours in two different departments. These courses are generally chosen from the following departments: Anthropology, Computer Science, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics, or courses offered by the College of Business and Economics. 200+ level courses used to satisfy College Requirements can also be counted here .......................... 15-21

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

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

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

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in ECONOMICS

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

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

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

Choose 9-15 hours of 300+ level economics courses of which

ECO 499 Seminar in Economics (Subtitle required) ........ 3

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

Electives

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

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.

Minor in Economics

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

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

ENG 209 The Structure and Use of English .................. 3

ENG 266 Survey of African-American Literature I .......... 3

ENG 265 Survey of African-American Literature II ........ 3

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

ENGLISH

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

Bachelor of Arts with a major in

ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inference Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

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

Graduation Composition and Communication Requirement (GCCR)

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

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

ENGLISH

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

Bachelor of Arts with a major in

ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inference Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

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

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science ................................................. 3

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

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

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

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

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

Premajor Requirements

*MA 113 Calculus I or

*MA 123 Elementary Calculus and its Applications and

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

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

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

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

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

Major Requirements

Major Core Requirements

ECO 391 Economic and Business Statistics ................. 3

ECO 401 Intermediate Microeconomic Theory .......... 3

ECO 402 Intermediate Macroeconomic Theory .......... 3

ECO 499 Seminar in Economics (Subtitle required) .... 3

Major Core hours: .............................................. 12

Other Course Work Required for the Major

From the Major Department:

Choose 9-15 hours of 300+ level economics courses of which at least 6 hours must be at the 400+ level .......... 9-15

From Outside the Major Department

Choose 15-21 hours outside Economics at the 200+ level, with at least 6 hours in two different departments. These courses are generally chosen from the following departments: Anthropology, Computer Science, History, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics, or courses offered by the College of Business and Economics. 200+ level courses used to satisfy College Requirements can also be counted here ....... 15-21

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

Electives

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

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.

Minor in Economics

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

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

ENG 209 The Structure and Use of English .................. 3

ENG 266 Survey of African-American Literature I .......... 3

ENG 265 Survey of African-American Literature II ........ 3

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

ENGLISH

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

Bachelor of Arts with a major in

ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inference Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

II. Disciplinary Requirements

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

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

*CIS/WRD 111 Composition and Communication II (requirement fulfilled in UK Core) plus one of the following (ENG 230 recommended):

*ENG 107 Writing Craft: Introduction to Creative Writing ................................................. 3

*ENG 209 The Structure and Use of English .................. 3

*ENG 230 Introduction to Literature (Subtitle required) ................................................. 3

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

*Course used towards completion of a UK Core Requirement.

Major Requirements

Major Core Requirements

ENG Historical Survey Requirement ......................... 6

Majors must take two Historical Survey courses of their choice. Historical Surveys can be taken in any combination and any order. Courses fulfilling the Historical Survey Requirement include:

ENG 241 Survey of British Literature I ....................... 3

ENG 242 Survey of British Literature II .................... 3

ENG 251 Survey of American Literature I ............... 3

ENG 252 Survey of American Literature II ............... 3

ENG 265 Survey of African-American Literature I ....... 3

ENG 266 Survey of African-American Literature II ....... 3

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

Majors must complete this core course after completing the premajor requirements and before going on to 400+ level courses in the major. ENG 330 fulfills the Graduation Composition and Communication Requirement.
ENG Early Period Requirement .................................. 0-3
Majors must take at least one Early Period ENG course of their choice. Courses fulfilling the Early Period Requirement include:
ENG 241 Survey of British Literature I ..................... 3
ENG 251 Survey of American Literature I ............... 3
ENG 341 Chaucer and His Contemporaries ............. 3
ENG 342 Shakespeare ........................................... 3
ENG 343 Renaissance Drama and Society ................. 3
ENG 518 Advanced History of the English Language3
ENG 519 Introduction to Old English ........................ 3
or other Early Period subtitled courses as designated
at the 300-400 level ............................................. 3
Bachelors of Science with a major in ENGLISH

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

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

Imaginative Writing Option – B.A.
12 total hours within the ENG program
To fulfill the ENG Imaginative Writing Option, students must complete the following:
• ENG 207 Beginning Workshop in Creative Writing (Subtitle required) .................................. 3
• ENG 407 Intermediate Workshop in Creative Writing (Subtitle required) .................................. 3
• ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) taken twice under two different subtitles .................................................. 6
• submission of a portfolio for evaluation by the Imaginative Writing staff six weeks prior to graduation

VIII. Statistical Inferential Reasoning
Choose one course from approved list ...................... 3
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ...................... 3
X. Global Dynamics
Choose one course from approved list ...................... 3
UK Core Hours .................................................. 30

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

College Requirements
I. Foreign Language (placement exam recommended) .............. 0-14
II. Disciplinary Requirements
a. Natural Science ......................................... 3
b. Social Science ......................................... 3
c. Humanities (completed by Major Requirements) ............. 3
III. Laboratory or Field Work .................................. 1
IV. Electives ...................................................... 6
College Requirement hours: .............................. 16-30

Premajor Requirements
*CIS/WRD 110 Composition and Communication I
(Subtitle fulfilled in UK Core) ................................ 3
*CIS/WRD 111 Composition and Communication II
(Subtitle fulfilled in UK Core) ................................ 3
plus one of the following (ENG 230 recommended):
*ENG 107 Writing Craft: Introduction to Creative Writing .................................................. 3
*ENG 209 The Structure and Use of English ................. 3
*ENG 230 Introduction to Literature (Subtitle required) .................. 3

Premajor Hours: .................................................. 3
Course used towards completion of a UK Core Requirement.

Major Requirements
Major Core Requirements
ENG Historical Survey Requirement ....................... 6
Majors must take two Historical Survey courses of their choice. Historical Surveys can be taken in any combination and any order. Courses fulfilling the Historical Survey Requirement include:
ENG 241 Survey of British Literature I ..................... 3
ENG 242 Survey of American Literature II ............... 3
ENG 251 Survey of American Literature I ............... 3
ENG 252 Survey of American Literature II ............. 3
ENG 265 Survey of African-American Literature I ....... 3
ENG 266 Survey of African-American Literature II ....... 3
ENG 330 Text and Context (Subtitle required) ............ 3

ENG Early Period Requirement .................................. 0-3
Majors must take at least one Early Period ENG course of their choice. Courses fulfilling the Early Period Requirement include:
ENG 241 Survey of British Literature I ............... 3
ENG 251 Survey of American Literature I ............... 3
ENG 341 Chaucer and His Contemporaries ............. 3
ENG 342 Shakespeare ........................................... 3

University of Kentucky
2017-2018 Undergraduate Bulletin
147
ENG 343 Renaissance Drama and Society ........................................ 3
ENG 318 Advanced History of the English Language ................................. 3
ENG 319 Introduction to Old English ................................................................ 3
or other Early Period subtitled courses as designated at the 300-400 level.. .................................................................................. 3

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

Major Core hours: .................................................. 9-15

Other Course Work Required for the Major:

From the Major Department:
Majors must take an additional seven courses in ENG (Major Electives) primarily at the 300-level and above. Of these required seven courses:
• two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);
• two courses maximum may be counted from additional Historical Surveys (surveys cannot be double-counted for the Historical Survey Requirement and for the total ENG course requirement);
• two courses maximum may be counted from among ENG 207, ENG 221, ENG 260, ENG 280, and ENG 290.

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

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

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

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

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

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

Imaginative Writing Option – B.S.

12 total hours within the ENG program
To fulfill the ENG Imaginative Writing Option, students must complete the following:

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

Minor in Creative Writing

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

Minor Requirements:
One ENG Historical Survey course:
ENG 241 Survey of British Literature I .................................................. 3
ENG 242 Survey of British Literature II .................................................. 3
ENG 251 Survey of American Literature I .................................................. 3
ENG 252 Survey of American Literature II .................................................. 3
ENG 265 Survey of African-American Literature I .................................................. 3
ENG 266 Survey of African-American Literature II .................................................. 3
ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) .................................................. 3
ENG 407 Intermediate Workshop in Creative Writing (Subtitle required) .................................................. 3
or ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) .................................................. 3
plus one additional Creative Writing course:
ENG 107 Writing Craft: Introduction to Creative Writing .................................................. 3
ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) .................................................. 3
ENG 407 Intermediate Workshop in Creative Writing (Subtitle required) .................................................. 3
ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) .................................................. 3

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

Minor in English:

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

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

One core course:
ENG 330 Text and Context (Subtitle required) .................................................. 3
Four more ENG courses, with a maximum of one 100-level course and a minimum of two 300+ level courses ........................................ 12

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

ENVIRONMENTAL AND SUSTAINABILITY STUDIES

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

Bachelor of Arts with a major in ENVIRONMENTAL AND SUSTAINABILITY STUDIES

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .................................................. 3
III. Intellectual Inquiry in the Social Sciences
Recommended:
ECO 101 Contemporary Economic Issues .......................... 3

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

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

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

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

VIII. Statistical Inferenceal Reasoning
STA 296 Statistical Methods and Motivations .......................... 3

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

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

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

Graduation Composition and Communication Requirement (GCCR)
ENS 400 Senior Seminar (Subtitle required) .......................... 3

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

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

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

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

Required Core Courses hours: ............................................ 18

AREAS OF EXPERTISE

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

Area 1 – Economics
A sustainable balance must be made between economic gain and protection of natural resources. Governments must determine policy and institute laws to provide the necessary protection of natural resources, and provide the guidelines for any development. This Area will provide the students with training in the interconnectedness of economics, policy and development. The students will have the freedom to select clusters of courses suited to their career goals. For example, students anticipating careers in business may select courses related to economics and those planning to go to Law School may focus on policy courses.

AEC 4455 Introduction to Resource and Environmental Economics ........................................ 3
AEC/ECO 479 Public Economics ........................................... 3
AEC 483 Regional Economics ............................................ 3
AEC 532 Agriculture and Food Policy (Subtitle required) .......................................................... 3
AEC/NRE 545 Resource and Environmental Economics .................................................. 3
ANT 225 Culture, Environment and Global Issues .................. 3
ANT 311 Anthropology of Globalization .................................. 3
ANT 322 Ancient Mexican Civilizations .................................. 3
ANT 338 Economic Anthropology ........................................ 3
ANT 340 Development and Change in the Third World ............. 3
ANT 375 Ecology and Social Practice ..................................... 3
ANT 470G Regional American Ethnography ........................... 3
ANT 532 Anthropology of the State ............................................. 3
ANT 543 Cultural Resource Management ............................... 3
*ECO 201 Principles of Economics I ...................................... 3
ECO 202 Principles of Economics II (Subtitle required) ............ 3
ECO 401 Intermediate Microeconomic Theory .......................... 3
ECO 410 Current Issues in Economics (Subtitle required) ........ 3
ECO 473G Economic Development ........................................ 3
ENS 395 Independent Work ...................................................... 3
FOR 280 Forest Resource Policy and Law .................................. 3
FOR 325 Economic Botany: Plants and Human Affairs ................. 3
GEO 231 Environment and Development .................................. 3
GEO 235 Environmental Management and Policy ...................... 3
GEO 255 Geography of the Global Economy ........................... 3
GEO 260 Geographies of Development in the Global South ......... 3
GEO 321 Land, People, and Development in Appalachia .............. 3
GEO 442G Political Geography ................................................ 3
GEO 455 Globalization and the Changing World Economy ........ 3
GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3
NRE 201 Natural Resources and Environmental Science .............. 3
NRE 381 Natural Resource and Environmental Policy Analysis ......... 3
STA 210 Statistics: A Force in Human Judgment ....................... 3
STA 296 Statistical Methods and Motivations ............................. 3
STA 320 Introductory Probability ............................................. 3
*ECO 201 is required for Area 1.

Area 2 – Environment
This area will build upon the fundamental natural science knowledge obtained in ENS 202 and the subjects taken to fulfill the A&S requirements. Students will be able to select from courses spanning a wide range of environmental subjects in order to focus on a subject of their specific interest. For example, this Area could be used to observe how societies have influenced the natural world from historic to modern times, the impact of development on ecology, and how climate change today compares to changes that occurred in the past.

ANT 240 Introduction to Archeology ...................................... 3
ANT 241 Origins of Old World Civilization ................................ 3
ANT 242 Origins of New World Civilization .............................. 3
ANT 351 Special Topics in Archeology (Subtitle required) ............ 3
BIO 303 Introduction to Evolution ......................................... 4
BIO 325 Ecology ................................................................. 4
BIO 375 Behavioral Ecology and Sociobiology ............................ 3
BIO 452G Laboratory in Ecology ............................................... 2
CE 555 Microbial Aspects of Environmental Engineering ............. 3
CHE 565 Environmental Chemistry ........................................ 3
CPH 201 Introduction to Public Health ...................................... 3
CPH 320 Fundamentals of Environmental Health ...................... 3

CPH 365 Special Topics in Public Health (Subtitle required) ............... 3
EGR 240 Global Energy Issues ............................................... 3
ENG 401 Special Topics in Writing (Subtitle required) .................. 3
ENS 395 Independent Work ...................................................... 3
FOR 219 Dendrology ............................................................. 4
FOR 240 Forestry and Natural Resource Ethics ........................... 2
FOR 435 Conservation Biology ................................................. 3
FOR 599 Independent Work in Forestry ..................................... 1-3
GEO 231 Environment and Development .................................. 3
GEO 235 Environmental Management and Policy ...................... 3
GEO 322 Geography of the World .......................................... 3
GEO 330 Global Environmental Change .................................. 3
GEO 351 Physical Landscapes .................................................. 3
GEO 431 Political Ecology ....................................................... 3
GEO/BIO 530 Biogeography and Conservation .......................... 3
GEO 531 Landscape Ecology ................................................... 3
GEO 550 Sustainable Resource Development and Environmental Management .................................................. 3
EES 220 Principles of Physical Geography ................................ 4
PHI 300 Special Topics in Philosophy (Subtitle required) ............. 1-3
EES 341 Landforms ............................................................... 3
ANT 342 North American Archaeology ..................................... 3
EES 360 Mineralogy ............................................................... 4
EES 385 Hydrology and Water Resources .................................. 3

Area 3 – Society
This Area explores the way that human society interacts with the environment. “Coupled human-natural systems” are a primary driver of environmental change, and also a key source of solutions to environmental problems. This Area will build students’ knowledge of the mutually influencing human-environment dynamic.

ANT 221 Native People of North America ................................ 3
ANT 225 Culture, Environment and Global Issues ...................... 3
ANT 245 Food Culture and Society .......................................... 3
ANT 303 Topics in the Anthropology of Food and Nutrition (Subtitle required) ............. 3
ANT 311 Anthropology of Globalization .................................... 3
ANT/AAS 326 Contemporary African Lives ............................... 3
ANT 340 Development and Change in the Third World ............... 3
ANT 342 North American Archaeology ..................................... 3
ANT 375 Ecology and Social Practice ....................................... 3
ANT 470G Regional American Ethnography .............................. 3
ANT 525 Applied Anthropology ............................................... 3
ANT 545 Historical Archaeology .............................................. 3
ANT 555 Eastern North American Archaeology ......................... 3
ARC 314 History and Theory III: 20th Century and Contemporary Architecture .................................................. 3
ARC 315 World Architecture and Urbanism ............................... 3
ENG 339 Author Studies (Subtitle required) .............................. 3
ENG 401 Special Topics in Writing (Subtitle required) ................. 3
ENS 395 Independent Work ...................................................... 3
GEO 231 Environment and Development .................................. 3
GEO 285 Introduction to Planning ............................................ 3
GEO 321 Land, People, and Development in Appalachia .............. 3
GEO 331 Global Environmental Change .................................. 3
GEO 431 Political Ecology ....................................................... 3
GEO 485G Urban Planning and Sustainability ........................... 3
His 240 History of Kentucky .................................................... 3
LA 205 History of Landscape Architecture ............................... 3
PHI 361 Biology and Society (Subtitle required) .......................... 3
PS 391 Special Topics in Political Science (Subtitle required) .......... 3
SAG 201 Cultural Perspectives on Sustainability ........................ 3
SOC 302 Sociological Research Methods .................................. 3
SOC/CLD 360 Environmental Sociology .................................. 3
SOC 363 Environmental Justice .............................................. 3
### College of Arts and Sciences

SOCI/CLD 380 Globalization:
- A Cross-Cultural Perspective ................................. 3
- SOCI/CLD 420 Sociology of Communities .................... 3
- SOCI/CLD 517 Rural Sociology ................................. 3
- SOCI/CLD 534 Sociology of Appalachia .......................... 3

### Areas of Expertise hours: 24

**From Outside the Major Department**

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

**Subtotal: Other Major hours: 6**

**Electives**

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

**Subtotal: Electives minimum of 6**

**Total Minimum Hours Required for Degree 120**

---

### FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS

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

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

---

### Bachelor of Arts with a major in FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

**UK Core Requirements**

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

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

2. **Intellectual Inquiry in the Humanities**
   - AIS 320 Modern Arabic Literature and Film in Translation 3
   - AIS 345 Islamic Mysticism 3
   - CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 3
   - CHI 331 Introduction to Chinese Culture, 1840 to Present 3
   - FR 103 French Cinema 3
   - FR 205 The French Graphic Novel 3
   - FR 225 French Film Noir 3
   - GER 103 Fairy Tales in European Context 3
   - GER 305 German Film Today 3
   - MCL 100 The World of Language 3
   - MCL 135 Vampires: Evolution of a Sexy Monster 3
   - MCL 200 Global Literacy 3
   - MCL 270 Introduction to Folklore and Mythology 3
   - RUS 275 Russian Film 3
   - RUS 371 The Russian Cultural Imagination: 900-1900 3
   - RUS 372 Experiments in Life and Art: Russian Culture 1900-Present 3
   - SPA 371 Latin American Cinema (Subtitle required) 3
   - SPA 372 Spanish Cinema (Subtitle required) 3
   - or any area course 3

3. **Economics Core hours:** 3

4. **Language Core Requirement: Arabic**
   - AIS 311 Arabic for Business and Media I 3
   - AIS 312 Arabic for Business and Media II 3
   - at least 12 hours from the following:
     - AIS 228 Islamic Civilization 3
     - AIS 301 Colloquial Arabic I 3
     - AIS 302 Colloquial Arabic II 3
     - AIS 320 Modern Arabic Literature and Film in Translation 3
     - AIS 330 Islamic Civilization II 3
     - AIS 331 Classical Arabic Literature (in English) 3
     - AIS 338 Women and Islam 3
     - AIS 340 Fundamentalism and Reform in Islam 3
     - AIS 345 Islamic Mysticism 3
     - AIS 410 Theology and Law in Islam 3
     - AIS 430 Islam in America 3
     - AIS 435 Topics in Islamic Studies (Subtitle required) 3
     - AIS 440 Introduction to the Qur’an 3
     - AIS 442 Arabic Reading I 3
     - AIS 443 Arabic Reading II 3
     - ANT 222 Middle East Cultures 3
     - ANT 331 Anthropology of North Africa 3
     - GEO 328 Geography of the Middle East and North Africa 3
     - HIS 549 History of the Middle East: 1920 to the Present 3
     - HIS 550 Studies in Mid-East History and Politics (Subtitle required) 3
     - PS 410 Topics in Regional Politics (Subtitle required) 3

---

**Language Core hours:** 27
GER 361 German Cinema ................................................ 3
(Subtitle required) .......................................................... 3
and Culture ..................................................................... 3
GER 319 Contemporary German Literature .............................. 3
(Subtitle required) .......................................................... 3
GER 317 History of German Culture .................................................. 3
GER 308 Intermediate German Composition .............................. 3
plus GER 310 German for International Business ............................ 3
FR 425 Media Studies ...................................................... 3
FR 410 French in Performance ......................................... 3
FR 325 French Cinema (Subtitle required) .............................. 3
FR 310 French Phonetics ................................................. 3
plus FR 215 Visual Cultures .................................................... 3
GER 550 Multidisciplinary German Studies Seminar .......................... 3
(Subtitle required) .......................................................... 3
German Core hours: .................................................. 21

Language Core Requirement: Italian
ITA 263 Studies in Italian Culture ................................. 3
(Subtitle required) .......................................................... 3
ITA 300 Italian Conversation and Writing ................................. 3
ITA 301 Italy from Fascism to the Present ................................. 3
ITA 335 Topics in Italian Cinema ................................. 3
(Subtitle required) .......................................................... 3
plus 9 hours from the following:
ITA 263 Studies in Italian Culture (Subtitle required) .......................... 3
ITA 300 Italian Conversation and Writing ................................. 3
A&S 300 Special Course (Subtitle required):
Italian Language through Film ........................................... 3
A-H/CLA 314 Ancient (Subtitle required) ................................. 3
A-H 334 Reframing Renaissance Art ................................. 3
A-H 335 Early Modern Art and Visual Culture, 1400-1700 (Subtitle required) .......................... 3
CLA/HIS 391 Christians in the Roman Empire .......................... 3
ITA 335 Topics in Italian Cinema ................................. 3
(Subtitle required) .......................................................... 3
ITA 395 Independent Studies in Italian ................................. 3
ITA 410G Special Topics in Italian Language ................................. 3
ITA 443G Survey of Italian Literature I .................................... 3
HIS 502 A History of the Roman Republic ................................. 3
HIS 503 A History of the Roman Empire ................................. 3
HIS 509 Roman Law ................................................... 3
HIS 519 The Era of the Renaissance ................................. 3
Italian Core hours: .................................................. 21

Language Core Requirement: French
FR 204 Introduction to French and Francophone Studies ................. 3
FR 214 France Today or FR 215 Visual Cultures ......................... 3
FR 307 French for Business and Economics ............................. 3
plus 12 hours from the following:
FR 310 French Phonetics ................................................. 3
FR 311 Introduction to French Linguistics .................................... 3
FR 324 Studies in French Literature ................................. 3
(Subtitle required) .......................................................... 3
FR 325 French Cinema (Subtitle required) ................................. 3
FR 344 The Literary Text (Subtitle required) ................................ 3
FR 350 Francophone Cultures (Subtitle required) ......................... 3
FR 410 French in Performance ........................................... 3
FR 425 Media Studies ................................................... 3
French Core hours: .................................................. 21

Language Core Requirement: German
GER 206 Spoken Communication ........................................... 3
GER 307 Intermediate German Composition and Conversation I .......................... 3
GER 310 German for International Business and Professions .......................... 3
plus 12 hours from the following:
GER 308 Intermediate German Composition and Conversation II .................................. 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .......................... 3
GER 312 German Popular Forms (Subtitle required) .......................... 3
GER 317 History of German Culture ........................................... 3
GER 319 Contemporary German Literature and Culture .................................. 3
GER 342 War, Peace, and Terror in Germany and Europe .......................... 3
GER 352 German-Speaking Europe (Subtitle required) .......................... 3
GER 361 German Cinema .................................................. 3
GER 363 Germanic Mythology ............................................. 3
GER 395 Independent Work in German ................................. 1-3
GER 507 Advanced German Composition and Conversation .......................... 3
GER 515 Studies in Major Authors ........................................... 3
GER 516 Studies in Genre .................................................. 3
GER 550 Multidisciplinary German Studies Seminar .......................... 3
(Subtitle required) .......................................................... 3
German Core hours: .................................................. 21

Language Core Requirement: Japanese
JPN 301 Advanced Japanese I .................................................. 3
JPN 302 Advanced Japanese II .................................................. 3
plus one of the following modern Japanese cultural-sociological studies courses:
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .................................. 3
JPN/GEO 334 Environment, Society and Economy of Japan .......................... 3
JPN 351 The Japanese Experience of the Twentieth Century .................................. 3
(Subtitle required) .......................................................... 3
Japanese Core hours: .................................................. 21

Language Core Requirement: Russian
RUS 301 Conversation and Composition I .................................. 3
RUS 302 Advanced Intermediate Russian II .................................. 3
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present .................................. 3
plus 12 hours from the following:
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change .................................. 3
ANT 432 Anthropology of Eastern Europe and Russia .................................. 3
GEO 329 Geography of the Former Soviet Union .................................. 3
HIS 385 History of Russia to 1825 ........................................... 3
HIS 386 History of Russia Since 1825 ........................................... 3
HIS 534 Russia in the 19th Century ........................................... 3
HIS 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 1300 to the Present .................................. 3
PS 429G Government and Politics in Russia and the Post-Soviet States .................................. 3
RUS 275 Russian Film ................................................... 3
RUS 370 Russian Folklore (in English) ........................................... 3
RUS 371 The Russian Cultural Imagination: 900-1900 .................................. 3
RUS 410G Russian for Special Purposes (Subtitle required) .................................. 3
RUS 525 Russian Literary Studies (Subtitle required) .................................. 3
RUS 535 Russian Visual Studies (Subtitle required) .................................. 3
RUS 545 Russian Cultural Studies (Subtitle required) .................................. 3
RUS 555 Topical Seminar on Russian Studies (Subtitle required) .................................. 3
Russian Core hours: .................................................. 21

Language Core Requirement: Spanish
SPA 310 Spanish Composition Through Textual Analysis .......................... 3
SPA 302 Spanish for Business Professionals .................................. 3
SPA 332 Spanish and Latin American Business Environments .................................. 3
SPA 420 Spanish in the World ............................................. 3
plus 9 hours from the following:
SPA 312 Civilization of Spain ............................................. 3
SPA 313 Advanced Spanish Language ........................................... 3
SPA 314 Civilization of Spanish America ........................................... 3
SPA 323 Introduction to Spanish Translation ........................................... 3
SPA 350 Hispanic Cities (Subtitle required) ........................................... 3
SPA 371 Latin American Cinema (Subtitle required) .................................. 3
SPA 372 Spanish Cinema (Subtitle required) ........................................... 3
SPA 397 Independent Work in Spanish ........................................... 3
SPA 399 Field Based/Community Based Education .................................. 3
*any 400-level SPA course
Spanish Core hours: .................................................. 21
College of Arts and Sciences

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

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

Bachelor of Science with a major in FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS

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

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

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

II. Intellectual Inquiry in the Humanities
AIS 320 Modern Arabic Literature and Film in Translation
AIS 345 Islamic Mysticism
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840
CHI 331 Introduction to Chinese Culture, 1840 to Present
FR 103 French Cinema
FR 205 The French Graphic Novel
FR 225 French Film Noir
GER 103 Fairy Tales in European Context
GER 305 German Film Today
MCL 100 The World of Language
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 200 Global Literacy
MCL 270 Introduction to Folklore and Mythology
RUS 275 Russian Film
RUS 371 The Russian Cultural Imaginasion: 1900-1990
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present
SPA 371 Latin American Cinema (Subtitle required)
SPA 372 Spanish Cinema (Subtitle required)
or any area course .................................................. 3

III. Intellectual Inquiry in the Social Sciences
AIS 430 Islam in America
ECON 101 Contemporary Economic Issues
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 270 Introduction to Folklore and Mythology
RUS 370 Russian Folklore (in English)
or any area course .................................................. 3

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

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

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

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

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

IX. Community, Culture, and Citizenship in the USA
AIS 430 Islam in America
SPA 208 U.S. Latino Culture and Politics
or any area course .................................................. 3

X. Global Dynamics
CHI 331 Introduction to Chinese Culture, 1840 to Present
GER 342 War, Peace, and Terror in Germany and Europe
GER 361 German Cinema
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present
JPN 351 The Japanese Experience of the Twentieth Century
RUS 370 Russian Folklore (in English)
RUS 371 The Russian Cultural Imaginasion: 1900-1990
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present
or any area course .................................................. 3

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

Graduation Composition and Communication Requirement (GCCR)
MCL/SPA 300 Contact Zones:
Cultivating Intercultural Competence .................................................. 3

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

College Requirements
I. Foreign Language (placement exam recommended) .......................... 0-14
II. Disciplinary Requirements
a. Natural Science ............................................................... 3
b. Social Science ............................................................... 3
c. Humanities ................................................................. 3

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

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

College Requirement hours: ......................................................... 16-30

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

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

Economics Core Requirement
STA 296 Statistical Methods and Motivations ..................................... 3
ECON 201 Principles of Economics .................................................... 3
ECON 202 Principles of Economics .................................................... 3
ECON 391 Economic and Business Statistics ..................................... 3
ECON 401 Intermediate Microeconomic Theory ................................ 3
ECON 402 Intermediate Macroeconomic Theory ................................ 3
ECON 300+ Any 300+ level ECO course ........................................ 3
plus two of the following:
ECON 471 International Trade ...................................................... 3
ECON 472 International Monetary Economics .................................. 3
ECON 473G Economic Development .............................................. 3

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

Language Core Requirement: Arabic
AIS 202 Intermediate Modern Standard Arabic ................................... 3
AIS 311 Arabic for Business and Media I ......................................... 3
AIS 312 Arabic for Business and Media II ....................................... 3
plus at least 12 hours from the following:
AIS 228 Islamic Civilization ....................................................... 3

AIS 301 Colloquial Arabic I .......................................................... 3
AIS 302 Colloquial Arabic II .......................................................... 3
AIS 320 Modern Arabic Literature and Film in Translation .................. 3
AIS 330 Islamic Civilization I ....................................................... 3
AIS 331 Classical Arabic Literature (in English) ................................. 3
AIS 338 Women and Islam .......................................................... 3
AIS 340 Fundamentalism and Reform in Islam .................................. 3
AIS 345 Islamic Mysticism .......................................................... 3
AIS 410 Theology and Law in Islam ............................................... 3
AIS 430 Islam in America ............................................................ 3
AIS 435 Topics in Islamic Studies (Subtitle required) .......................... 3
AIS 440 Introduction to the Qur’an .................................................. 3
AIS 442 Arabic Reading I ............................................................ 3
AIS 443 Arabic Reading II ............................................................ 3
ANT 222 Middle East Cultures ...................................................... 3
ANT 331 Anthropology of North Africa .......................................... 3
GEO 328 Geography of the Middle East and North Africa .................. 3
HIS 549 History of the Middle East: 1920 to the Present ..................... 3
HIS 550 Studies in Mid-East History and Politics (Subtitle required) ... 3
PS 410 Topics in Regional Politics (Subtitle required) ....................... 3

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

Language Core Requirement: Chinese
CHI 301 Advanced Intermediate Chinese I ....................................... 3
CHI 302 Advanced Intermediate Chinese II ..................................... 3
CHI 331 Introduction to Chinese Culture, 1840 to Present .................. 3
plus 12 hours from the following:
CHI 320 Gender Politics in Chinese Literature .................................. 3
CHI 321 Introduction to Contemporary Chinese Film ......................... 3
CHI 322 Self and Society in Chinese Culture .................................... 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 ............. 3
CHI 345 Introduction to Early Chinese Thought ............................... 3
CHI 395 Independent Work in Chinese .......................................... 1-3
CHI 401 Advanced Chinese I ..................................................... 3
CHI 402 Advanced Chinese II ..................................................... 3
CHI 430 Popular Culture in Modern China ..................................... 3
CHI 450 Hermits, Immortals and Madmen ..................................... 3
CHI 511 Literary Chinese ........................................................... 3
*A-H 310 Asian Art and Culture (Subtitle required) ................................ 3
*HIS 355 Topics in Non-Western History Since 1789 ......................... 3
HIS 597 Westerners in East Asia, 1839 to the Present ......................... 3
HIS 598 China in Revolution, 1895-1976 ........................................ 3
*A&S 300 Special Course (Subtitle required) ..................................... 3
Other courses as approved by the advisor

Chinese Core hours: ............................................................. 21

*Subtitle required

Language Core Requirement: French
FR 204 Introduction to French and Francophone Studies .................... 3
FR 214 France Today or FR 215 Visual Cultures ................................ 3
FR 219 French Cinema and Francophone Studies ................................ 3
FR 307 French for Business and Economics ..................................... 3
plus 12 hours from the following:
FR 310 French Phonetics .......................................................... 3
FR 311 Introduction to French Linguistics ....................................... 3
FR 324 Studies in French Literature (Subtitle required) ....................... 3
Language Core Requirement: German
GER 206 Spoken Communication .................................. 3
GER 307 Intermediate German Composition and Conversation I .................................. 3
GER 310 German for International Business and Professions ............................................ 3
plus 12 hours from the following:
GER 311 Introduction to German Literature: Themes (Subtitle required) ......................... 3
GER 312 German Popular Forms (Subtitle required) .......................................................... 3
GER 317 History of German Culture .......................................................... 3
GER 319 Contemporary German Literature and Culture .................................................... 3
GER 342 War, Peace, and Terror in Germany and Europe .................................................. 3
GER 352 German-Speaking Europe (Subtitle required) ..................................................... 3
GER 361 German Cinema .......................................................... 3
GER 363 Germanic Mythology .......................................................... 3
GER 395 Independent Work in German 1-3 .......................................................... 3
GER 507 Advanced German Composition and Conversation ............................................ 3
GER 515 Studies in Major Authors .......................................................... 3
GER 516 Studies in Genre .......................................................... 3
ITA 550 Multidisciplinary German Studies Seminar (Subtitle required) ............................ 3
German Core hours: .......................................................... 21

Language Core Requirement: Italian
ITA 263 Studies in Italian Culture (Subtitle required) ....................................................... 3
ITA 300 Italian Conversation and Writing .......................................................... 3
ITA 301 Italy from Fascism to the Present .......................................................... 3
ITA 335 Topics in Italian Cinema (Subtitle required) ...................................................... 3
plus 9 hours from the following:
ITA 263 Studies in Italian Culture (Subtitle required) ....................................................... 3
ITA 300 Italian Conversation and Writing .......................................................... 3
A&S 300 Special Course (Subtitle required): Italian Language through Film ................... 3
A-H/CLA 314 Ancient (Subtitle required) ........................................................................ 3
A-H 334 Reframing Renaissance Art .......................................................... 3
A-H 335 Early Modern Art and Visual Culture, 1400-1700 (Subtitle required) ............. 3
CLA/HIS 391 Christians in the Roman Empire .......................................................... 3
ITA 335 Topics in Italian Cinema (Subtitle required) ...................................................... 3
ITA 395 Independent Studies in Italian .......................................................... 3
ITA 410G Special Topics in Italian Language (Subtitle required) .................................... 3
ITA 443G Survey of Italian Literature I .......................................................... 3
HIS 502 A History of the Roman Republic .......................................................... 3
HIS 503 A History of the Roman Empire .......................................................... 3
HIS 509 Roman Law .......................................................... 3
HIS 519 The Era of the Renaissance .......................................................... 3
Italian Core hours: .......................................................... 21

Language Core Requirement: Japanese
JPN 301 Advanced Japanese I .......................................................... 3
JPN 302 Advanced Japanese II .......................................................... 3
plus one of the following modern Japanese cultural-social studies courses:
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .................................. 3
JPN/GEO 334 Environment, Society and Economy of Japan ........................................ 3
JPN 351 The Japanese Experience of the Twentieth Century ........................................ 3
HIS 357 Japan at War, 1850 to the Present .......................................................... 3
plus 12 hours from the following:
A-H 310 Asian Art and Culture (Subtitle required) ....................................................... 3
A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony .................................. 3
JPN 406 Field Studies in Geography (Subtitle required) .............................................. 3
JPN/GEO 491G Japanese Landscapes .......................................................... 3
JPN/GEO 551 Japanese Multinational Corporations .................................................... 3
HIS 295 East Asia to 1800 ........................................................................ 3
HIS 296 East Asia Since 1600 ........................................................................ 3
HIS 357 Japan at War, 1850 to the Present .......................................................... 3
JPN 283 Japanese Film ........................................................................ 3
JPN 320 Introduction to Japanese Culture, Premodern to 1868 ...................................... 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .................................. 3
JPN/GEO 334 Environment, Society and Economy of Japan ........................................ 3
JPN/GEO 351 The Japanese Experience of the Twentieth Century .................................. 3
JPN/GEO 420G Pre-Modern Literary and Visual Arts of Japan ........................................ 3
JPN/GEO 421G Contemporary Literary and Visual Arts of Japan .................................... 3
JPN 520 Japanese Linguistics and Society .......................................................... 3
Japanese Core hours: .......................................................... 21

Language Core Requirement: Russian
RUS 301 Conversation and Composition I .......................................................... 3
RUS 302 Advanced Intermediate Russian II .......................................................... 3
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present .................................. 3
plus 12 hours from the following:
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change .......................................................... 3
ANT 432 Anthropology of Eastern Europe and Russia .......................................................... 3
GEO 329 Geography of the Former Soviet Union .......................................................... 3
HIS 385 History of Russia to 1825 ........................................................................ 3
HIS 386 History of Russia Since 1825 ........................................................................ 3
HIS 534 Russia in the 19th Century ........................................................................ 3
HIS 535 Russia in the 20th Century ........................................................................ 3
HIS 536 Intellectual and Cultural History of Russia to 1800 ........................................ 3
HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .................. 3
PS 429G Government and Politics in Russia and the Post-Soviet States .......................... 3
RUS 275 Russian Film ........................................................................ 3
RUS 370 Russian Folklore (in English) ........................................................................ 3
RUS 371 The Russian Cultural Imagination: 900-1900 .................................................. 3
RUS 410G Russian for Special Purposes (Subtitle required) ............................................. 3
RUS 525 Russian Literary Studies (Subtitle required) ................................................. 3
RUS 535 Russian Visual Studies (Subtitle required) ..................................................... 3
RUS 545 Russian Cultural Studies (Subtitle required) ................................................. 3
RUS 555 Topical Seminar on Russian Studies (Subtitle required) ...................................... 3
Russian Core hours: .......................................................... 21
Language Core Requirement: Spanish

SPA 310 Spanish Composition
Through Textual Analysis ................................................ 3
SPA 302 Spanish for Business Professionals .................. 3
SPA 332 Spanish and Latin American
Business Environments .................................................. 3
SPA 420 Spanish in the World ........................................... 3

plus 9 hours from the following:
SPA 312 Civilization of Spain ............................................ 3
SPA 313 Advanced Spanish Language ............................ 3
SPA 314 Civilization of Spanish America ....................... 3
SPA 323 Introduction to Spanish Translation ..................... 3
SPA 350 Hispanic Cities (Subtitle required) ..................... 3
SPA 371 Latin American Cinema (Subtitle required) ....... 3
SPA 372 Spanish Cinema (Subtitle required) .................... 3
SPA 397 Independent Work in Spanish ............................ 3
SPA 399 Field Based/Community Based Education ...... 3

*any 400-level SPA course - Spanish Core hours: ...................... 21

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

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

*Course used towards completion of a UK Core Requirement

GENDER AND WOMEN’S STUDIES

The Department in Gender and Women’s Studies offers an interdisciplinary curriculum which focuses on the study of gender as an aspect of everyday life, as well as on the political and cultural experiences and contributions of women across the world and through time. Majors in GWS have gone on to become artists, activists, to study law, medicine, social work, and to pursue academic careers.

Bachelor of Arts with a major in GENDER AND WOMEN’S STUDIES

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)

GWS 599 Senior Seminar; Subtitle required ..................... 3

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

College Requirements

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

II. Disciplinary Requirements
   a. Natural Science ....................................................... 6
   b. Social Science ......................................................... 6
   c. Humanities .......................................................... 3
   d. Laboratory or Field Work ........................................... 1

III. Electives
   a. Elective courses not required during the first 3 semesters
   b. Higher-level electives

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

Premajor Requirements

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

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

Major Requirements

Core Courses
GWS 250 Social Movements .............................................. 3
or
GWS 340 History of Feminist Thought to 1975 ............... 3
GWS 350 Feminist Theory ............................................... 3
GWS 400 Doing Feminist Research ................................. 3
GWS 599 Senior Seminar ............................................... 3

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

Elective Courses
Choose five 3-credit-hour courses (not to exceed more than 12 hours of GWS courses from the following) from a list of approved electives, including the courses below. Additional non-GWS courses will be approved on a semester-by-semester basis.

*GWS 300 Topics in Gender and Women’s Studies
   Subtitle required ...................................................... 3
GWS 301 Crossroads (Subtitle required) ............................ 3
GWS 302 Gender Across the World (Subtitle required) .... 3
GWS 360 LGBTQ History in the United States ............... 3
GWS 395 Undergraduate Research in
   Gender and Women’s Studies ...................................... 3
GWS 399 Internship in Gender and
   Women’s Studies .......................................................... 3
GWS 410 Introduction to Queer Theory ............................ 3
GWS 430 Gender, Power and Violence ............................ 3
GWS 506 History of Sexuality in the U.S. ......................... 3

GWS 595 Issues in Gender and Women’s Studies
   Subtitle required ...................................................... 3
Elective hours: ............................................................ 15

Total Major hours: ....................................................... 27

Other Course Work Required for the Major

Students must complete at least 27 credit hours of the major through upper-division course work (12 credit hours of core courses, 15 credit hours of electives).

From Outside the Major Department

Choose 12 hours outside GWS at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here.

Other Major hours: ........................................................ 12

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

*Course used towards completion of a UK Core Requirement

Minor in Gender and Women’s Studies

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

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

Plus an additional 9 hours of electives to be selected with the approval of the Director of Undergraduate Studies in the Department of Gender and Women’s Studies.

Courses used for the Gender and Women’s Studies topical major, minor or graduate certificate must be taught by a Gender and Women’s Studies Affiliated Faculty.

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

GEOGRAPHY

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

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

The Department of Geography has developed detailed major concentration tracks in seven areas: environmental geography, physical geography, urban geography and planning, GIS focus, human geography, international studies, and design your own geography major. For more information, contact the Department of Geography at (859) 257-2931, or on the Web at: www.uky.edu/AS/Geography/.

Bachelor of Arts with a major in GEOGRAPHY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

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

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

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

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

Major Requirements

Major Core Requirements

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

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

Methods Requirements

Choose one methods course from the following options:

   GEO 305 Elements of Cartography ......................................3
   GEO 310 Quantitative Techniques in Geography ....................3
   GEO 311 Qualitative Methods in Geography .........................3
   GEO 409 Advanced GIS ..................................................3

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

Other Course Work Required for the Major

Geography Tracks ................................................................18

Choose at least 18 hours of additional geography courses to include: no more than 3 hours of 100-level courses; no more than 6 hours of GEO 560 and GEO 399; a minimum of 3 hours of 400+ level courses (not including GEO 409, 406, or 499).

The following focus areas represent specializations within Geography and are provided as guidelines. Most students will find it useful to concentrate their 18 hours within these focus areas, but this is not a requirement. On completion of 15 hours within any focus area, the Geography Department will award a certificate of completion of studies in the area of specialization. Consult with your advisor in making selections of courses.

GEOGRAPHY TRACKS

Environmental Geography Option

Suggested Courses:

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

Physical Geography Option

Suggested Courses:

   GEO 130 Earth’s Physical Environment ................................3
   GEO 230 Weather and Climate ..........................................3
   GEO 235 Environmental Management and Policy ..................3
   GEO 351 Physical Landscapes ............................................3
   GEO 451G Fluvial Forms and Processes ...............................3
   GEO 530 Biogeography and Conservation ............................3
   GEO 531 Landscape Ecology ............................................3

Urban Geography and Planning Option

Suggested Courses:

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

GIS Focus

Suggested Courses:

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

Human Geography Option

Suggested Courses:

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

International Studies Option

Suggested Courses:

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

Any Geography courses fulfilling the requirements for the major.

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

Electives

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

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

Bachelor of Science with a major in GEOGRAPHY

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

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

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science .......................................................... 3

b. Social Science (completed by Major Requirement) ....................................................... 3

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

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

IV. Electives

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

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

Major Requirements

Major Core Requirements

GEO 130 Earth’s Physical Environment .................................................. 3

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

GEO 200 Orientation to Geography ....................................................... 3

GEO 406 Field Studies in Geography (Substitute required) .............................................. 3

GEO 309 Introduction to GIS .................................................................. 3

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

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

Methods Requirements

Choose one methods course from the following options:

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

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

GEO 311 Qualitative Methods in Geography ............................................. 3

GEO 409 Advanced GIS .................................................................. 3

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

Other Course Work Required for the Major Geography Tracks .................................................. 18

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

GEOGRAPHY TRACKS

Environmental Geography Option

Suggested Courses:

GEO 135 Global Climate Change ...................................................... 3

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

GEO 231 Environment and Development .................................................. 3

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

GEO 261 Global Dynamics of Health and Disease .................................................. 3

GEO 321 Land, People, and Development in Appalachia ................................ 3

GEO 331 Global Environmental Change .................................................. 3

GEO 334 Environment, Society and Economy of Japan ........................................... 3

GEO 431 Political Ecology ........................................................................ 3

GEO 530 Biogeography and Conservation ...................................................... 3

GEO 531 Landscape Ecology .......................................................... 3

Physical Geography Option

Suggested Courses:

GEO 135 Global Climate Change ...................................................... 3

GEO 130 Earth’s Physical Environment .................................................. 3

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

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

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

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

GEO 530 Biogeography and Conservation .................................................. 3

GEO 531 Landscape Ecology .......................................................... 3

Urban Geography and Planning Option

Suggested Courses:

GEO 220 U.S. Cities .......................................................... 3

GEO 285 Introduction to Planning ...................................................... 3

GEO 485G Urban Planning and Sustainability ................................................. 3

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

GEO 309 Introduction to GIS ......................................................... 3

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

GEO 415 Map Interpretation .......................................................... 3

GEO 422 Urban Geography .......................................................... 3

GEO 455 Globalization and the Changing World Economy ........................................... 3

GEO 490G American Landscapes ...................................................... 3

GEO 544 Human Population Dynamics ..................................................... 3

GEO 545 Transportation Geography ...................................................... 3

GIS Focus

Suggested Courses:

GEO 109 Digital Mapping .......................................................... 3

GEO 164 World Global Information Geographies ............................................. 3

GEO 409 Advanced GIS .......................................................... 3

GEO 509 Workshop in Geospatial Technologies ............................................. 3

GEO 419 Introduction to Remote Sensing ...................................................... 3

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

GEO 566 Introduction to Computer Cartography ............................................. 3

GEO 505 Practicum in Cartography ...................................................... 3

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

GEO 415 Map Interpretation .......................................................... 3

GEO 365 Special Topics in Geography (Substitute required) .............................................. 3

Human Geography Option

Suggested Courses:

GEO 161 Global Inequalities ...................................................... 3

GEO 240 Geography and Gender ...................................................... 3

GEO 260 Geographies of Development in the Global South ........................................ 3

GEO 422 Urban Geography ...................................................... 3

GEO 442G Political Geography ...................................................... 3

GEO 455 Globalization and the Changing World Economy ........................................... 3

GEO 475G Medical Geography ...................................................... 3

GEO 490G American Landscapes ...................................................... 3

GEO 544 Human Population Dynamics ..................................................... 3

GEO 545 Transportation Geography ...................................................... 3

GEO 546 Tourism and Recreation Geography ............................................. 3

International Studies Option

Suggested Courses:

GEO 163 Global Conflicts ...................................................... 3

GEO 221 Immigrant America: A Geographic Perspective ........................................... 3

GEO 222 Cities of the World ...................................................... 3

GEO 255 Geography of the Global Economy .................................................. 3

GEO 326 Geography of Europe ...................................................... 3

GEO 328 Geography of the Middle East and North Africa ........................................... 3

GEO 329 Geography of the Former Soviet Union .................................................. 3

GEO 331 Global Environmental Change .................................................. 3

GEO 334 Environment, Society and Economy of Japan ........................................... 3

GEO 546 Tourism and Recreation Geography ............................................. 3

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

Major hours: ........................................................................ 39
Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ................................................. 4

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

Minor in Geography

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

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

K-12 Teaching and Administration
Take 6 for 18 credit hours:
GEO 172 Human Geography ....................................... 3
GEO 130 Earth’s Physical Environment ........................................ 3
GEO 200 Orientation to Geography ........................................ 3
GEO 220 U.S. Cities ........................................................ 3
or GEO 222 Cities of the World ........................................... 3
GEO 320-365 Regional Geography Courses .......................... 3
GEO 452G World Geography for Teachers ......................... 3
GEO 440G Physical Geography for Teachers ....................... 3

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

Social Sciences and Humanities
Take 6 for 18 credit hours:
one of the following:
GEO 160 Lands and Peoples of the Non-Western World ............... 3
GEO 161 Global Inequalities .............................................. 3
GEO 162 Introduction to Global Environmental Issues ............. 3
GEO 163 Global Conflicts .................................................. 3
plus:
GEO 172 Human Geography ............................................ 3
GEO 221 Immigrant America: A Geographic Perspective ......... 3
GEO 240 Geography and Gender ........................................... 3
GEO 320-GEO 336 Regional Geography Courses ................. 3
GEO 422 Urban Geography ................................................ 3
GEO 442G Political Geography ........................................... 3
GEO 470G America’s Cultural Geographies ............................ 3

Environmental Studies
Take 6 for 18 credit hours:
GEO 162 Introduction to Global Environmental Issues ............. 3
GEO 130 Earth’s Physical Environment ........................................ 3
GEO 230 Weather and Climate ........................................... 3
or GEO 331 Global Environmental Change ........................................ 3
GEO 231 Environment and Development ........................................ 3
GEO 235 Environmental Management and Policy ................. 3
GEO 351 Physical Landscapes ........................................... 3
GEO 431 Political Ecology .................................................. 3
GEO 530 Biogeography and Conservation ........................................ 3
GEO 531 Landscape Ecology ............................................ 3
GEO 546 Tourism and Recreation Geography ....................... 3

GEO 550 Sustainable Resource Development and Environmental Management ............................................. 3
GEO 585 Aging and Environment ........................................ 3

Economic Geography
Take 6 for 18 credit hours:
GEO 161 Global Inequalities .............................................. 3
or GEO 164 iWorlds: Global Information Geographies ............. 3
GEO 172 Human Geography ............................................ 3
GEO 255 Geography of the Global Economy .......................... 3
GEO 260 Geographies of Development in the Global South ........ 3
GEO 320-365 Regional Geography Courses .......................... 3
GEO 455 Globalization and the Changing World Economy ....... 3
GEO 545 Transportation Geography ...................................... 3
GEO 546 Tourism and Recreational Geography ....................... 3
GEO 551 Japanese Multinational Corporations ....................... 3

Medical and Health Geography
Take 6 for 18 credit hours:
GEO 161 Human Geography ............................................ 3
GEO 261 Global Dynamics of Health and Disease ................... 3
GEO 309 Introduction to GIS ............................................ 3
GEO 320-365 Regional Geography Courses .......................... 3
GEO 422 Urban Geography ................................................ 3
GEO 475G Medical Geography ........................................... 3
GEO 585 Aging and Environment ........................................ 3

Urban Planning and Urban Studies
Take 6 for 18 credit hours:
GEO 161 Global Inequalities .............................................. 3
or GEO 164 iWorlds: Global Information Geographies ............. 3
GEO 172 Human Geography ............................................ 3
GEO 220 U.S. Cities ........................................................ 3
GEO 222 Cities of the World ............................................ 3
GEO 235 Environmental Management and Policy ................. 3
GEO 285 Introduction to Planning ........................................ 3
GEO 309 Introduction to GIS ............................................ 3
GEO 422 Urban Geography ................................................ 3
GEO 455 Globalization and the Changing World Economy ....... 3
GEO 485G Urban Planning and Sustainability ....................... 3
GEO 550 Sustainable Resource Development and Environmental Management ............................................. 3

Minor in Mapping and GIS

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

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

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

GIS Design and Application (9 hours)
Complete three of the following:
GEO 305 Elements of Cartography ..................................... 3
*GEO 399 Internship in Geography ..................................... 3
GEO 415 Map Interpretation ............................................. 3
GEO 419 Introduction to Remote Sensing ............................. 3
GEO 505 Practicum in Cartography ..................................... 3
GEO 506 Introduction to Computer Cartography ..................... 3
GEO 509 Workshop in Geospatial Technologies ................. 3
*GEO 560 Independent Work in Geography ......................... 3
*GEO 565 Topics in Geography ........................................ 3

With approval of DUS for GIS/Mapping related internships or independent study.

Health, Society, and Populations

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

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

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

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

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ................................. 3
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ................................ 3

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

VII. Quantitative Foundations
Recommended — one of the following:
MA 111 Introduction to Contemporary Mathematics .................. 3
MA 113 Calculus I .................................................................... 4
MA 123 Elementary Calculus and Its Applications .................. 4
MA 137 Calculus I with Life Science Applications .................. 4

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

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

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

UK Core hours: .......................................................... 30-32

Graduation Composition and Communication Requirement (GCCR)
HSP 499 Health, Society and Populations Capstone
(Subtitle required) .................................................................. 3

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

College Requirements
I. Foreign Language
(placement test recommended) .............................................. 6-14

II. Disciplinary Requirements
a. Natural Science
   (may be satisfied by major requirements) ................... 0-6
b. Social Science
   (may be satisfied by major requirements) ................... 0-6
c. Humanities ........................................................................ 6

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

IV. Electives ................................................................. 19-29

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

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

Statistics
Choose one of the following (3 hours):
STA 296 Statistical Methods and Motivations .......................... 3
*SOC 303 Quantitative Social Analysis .................................. 3
*GEO 309 Introduction to GIS .............................................. 3

Math
Choose one of the following (3-4 hours):
MA 109 College Algebra ...................................................... 3
†MA 111 Introduction to Contemporary Mathematics .............. 3
†MA 113 Calculus I ............................................................. 4
†MA 123 Elementary Calculus and Its Applications .............. 4
†MA 137 Calculus I with Life Science Applications .............. 4
MA 111, 113, 123, 137 recommended.

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

Science
Choose one BIO course and one from any of the remaining science electives (6 hours):
*ANA 109 Anatomy and Physiology for Nursing I ..................... 4
ANA 110 Anatomy and Physiology for Nursing II ...................... 4
*ANA 209 Principles of Human Anatomy .............................. 3
*FIO 102 Human Ecology ............................................... 3
*FIO 103 Basic Ideas of Biology ...................................... 3
*BIO 148 Introductory Biology I ........................................... 3
*BIO 208 Principles of Microbiology .................................... 3
*CHE 104 Introductory General Chemistry ......................... 3
*CHE 108 Introduction to Inorganic, Organic, and Biochemistry without Laboratory .......................... 3
*PGY 206 Elementary Physiology ..................................... 3

Social Science Approaches to Health
(9 hours):
Required
HSP/SOC 255 Medicine, Health, and Society .......................... 3
plus two of the following:
*ANT 429 Survey of Medical Anthropology .......................... 3
*GEO 475G Medical Geography ........................................ 3
*PSY 223 Developmental Psychology .................................. 3
SOC 355 Sociology of Health and Illness ............................. 3

Topics in Society and Health
(12 hours):
For a total of four additional courses, choose any remaining courses from the Social Science Approaches to Health category above, or from the following list. Students must choose courses from at least two different disciplines:
*ANT 225 Culture, Environment and Global Issues .............. 3
*ANT 251 Global Health: Culture, Pathologies and Social Inequalities .......................... 3
*ANT 303 Topics in Anthropology of Food and Nutrition (Subtitle required) .................. 3
*ANT 333 Contemporary Human Variation .......................... 3
*GEO 261 Global Dynamics of Health and Disease ................ 3
*GEO 544 Human Population Dynamics .............................. 3
GRN 250 Aging in Today’s World ........................................ 3
GRN 385 Aging and Environment ......................................... 3

*GWS 300 Topics in Gender and Women’s Studies
(Subtitle required) ................................................................ 3

*HIS 584 Health and Disease in the U.S. ............................... 3
*PHI 305 Health Care Ethics ............................................... 3
*SOC 235 Inequalities in Society ........................................... 3
SOC 340 Community Interaction ......................................... 3
*SOC 360 Environmental Sociology .................................... 3
*SOC 439 Topics in Crime, Law and Deviance
(Subtitle required) ................................................................ 3

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

Health Professions
Choose two from the following (6 hours):
CPH 201 Introduction to Public Health .................................. 3
CPH 202 Public Health Through Popular Film ........................ 3
CPH 203 Sexual Health ........................................................ 3
CPH 310 Disease Detectives:
Epidemiology in Action ..................................................... 3
CPH 320 Fundamentals of Environmental Health .................... 3
CPH 351 Preparing for An Apocalyptic Event:
Population Health and Crisis Management .......................... 3
CPH 440 Foundations of Health Behavior ............................. 3
CPH 450 Managing Health Organizations to Improve Population Health .......................... 3
CPH 472 Public Health Professions and Practice .................... 3
CPH 476G A Sick World: Global Public Health in the Early 21st Century .......................... 3
HSM 241 Health and Medical Care Delivery Systems ............... 3
KHP 230 Human Health and Wellness .................................. 3
KHP 270 Introduction to Health Education and Health Promotion .......................... 3
KHP 590 Advanced Health Concepts .................................... 3

Bachelor of Arts with a major in SPANISH

HISPANIC STUDIES
The Department of Hispanic Studies aims to develop students’ Spanish language skills, to deepen their understanding of Spanish-speaking cultures and literatures domestically and abroad, to sharpen their critical thinking, and to heighten their awareness of their role as local and global citizens in a pluralistic society. The department offers a major with three specialty options and a minor in Spanish.
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list .................. 3

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

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

Graduation Composition and Communication Requirement (GCCR)
SPA 323 Introduction to Spanish Translation ............ 3

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

College Requirements
I. Foreign Language (completed by Premajor Requirement)
II. Disciplinary Requirements
a. Natural Science .................................................. 6
b. Social Science ...................................................... 6
c. Humanities (completed by Major Requirements) ...... 1

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

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

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

*Premajor Requirements
SPA 210 Spanish Grammar and Syntax
and
SPA 211 Intermediate Spanish Conversation ............ 6
or
SPA 215 Written Spanish for Bilingual Students ....... 3

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

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

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

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

Other Course Work Required for the Major
From the Major Department:
Choose 10 300+ level Spanish courses to include at least 4
courses at the 400+ level from any of the 3 available options
and that fulfill the requirements for one of the three options
listed below .......................................................... 30

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

A-E – Art Education
A-H – Art History
A-S – Art Studio
AAD – Arts Administration
AAS – African American Studies
AIS – Arabic and Islamic Studies
ANT – Anthropology
APP – Appalachian Studies
ART – Art
BSC – Behavioral Science
CGS – Cognitive Science
CHI – Chinese Culture and Language
CIS – Communications and Information Studies
CLA – Classics
CLD – Community and Leadership Development
CLM – Clinical Leadership and Management
COM – Communication
CSD – Communication Sciences and Disorders
EAP – Education Abroad Program
EDC – Curriculum and Instruction
EDL – School Administration
EDP – Educational and Counseling Psychology
EDS – Special Education
EDU – Education
ELS – Teacher Leadership
ENG – English
EPE – Educational Policy Studies and Evaluation
FA – Fine Arts
FR – French Language and Literature
GEO – Geography
GER – German Studies
GWS – Gender and Women’s Studies
HIS – History
HJS – Hebrew and Jewish Studies
HMN – Humanities
HP – Historic Preservation
IAS – Interdisciplinary American Studies
IEC – Interdisciplinary Early Childhood Education
INT – International Studies
IS – Information Studies
ISC – Integrated Strategic Communication
ISP – International Studies Program
ITA – Italian
JAT – Journalism, Advertising, Telecommunications
JOU – Journalism
JPN – Japan Studies
LAS – Latin American Studies
LIN – Linguistics
LIS – Library and Information Science
MAS – Media Arts and Studies
MCL – Modern and Classical Languages
MUC – Class Instruction in Music
MUP – Music Performance
MUS – Music
PA – Public Administration
PS – Political Science
PSY – Psychology
RS – Religious Studies
RUS – Russian
SOC – Sociology
ST – Social Theory
SW – Social Work
TA – Theatre
TSL – Teaching English as a Second Language
WRD – Writing, Rhetoric and Digital Media

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

OPTIONS

Option A – Spanish Language
and Linguistics
Required Course
SPA 310 Spanish Composition
Through Textual Analysis ..................................... 3

Specialty Option Courses
Choose 18 credit hours from Language and Linguistics
courses:
*SPA 300 Contact Zones:
Cultivating Intercultural Competence .................... 3
SPA 302 Spanish for Business Professionals ........... 3
SPA 313 Advanced Spanish Language .................... 3
SPA 323 Introduction to Spanish Translation .......... 3
SPA 332 Spanish and Latin American
Business Environments .................................... 3
*SPA 397 Independent Work in Spanish ............. 3
*SPA 399 Field Based/
Community Based Education .......................... 1-15
*SPA 400 Special Topics in Spanish Literatures
and Languages (Subtitle required) .................... 3
SPA 410 Advanced Spanish Grammar .................... 3
SPA 413 Spanish Phonetics .................................. 3
SPA 420 Spanish in the World ............................. 3
SPA 423 Advanced Spanish Translation ............. 3
SPA 430 Introduction to Spanish Linguistics ........... 3

*SPA 480 Hispanic Kentucky .............................. 3
*SPA 497 Hispanic Studies Honors Thesis ............. 3
SPA 501 Spanish Phonetics, Pronunciation
and Phonemics .................................................. 3
SPA 506 Introduction to Comparative Spanish,
Portuguese, and Italian Linguistics .................... 3

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

Non-specialty Option Courses
Choose 6 credit hours from Literature and Culture courses:
**SPA 300 Contact Zones:
Cultivating Intercultural Competence .................... 3
SPA 312 Civilization of Spain ................................ 3
SPA 314 Civilization of Spanish America ................ 3
SPA 315 Introduction to Hispanic Literature .......... 3
SPA 320 Literature, Life and Thought of Spain ........ 3
SPA 322 Literature, Life and Thought
of Spanish America ......................................... 3
SPA 324 The Theatre in Spain and Spanish America .. 3
SPA 350 Hispanic Cities (Subtitle required) ............ 3
SPA 361 Latin American Literature in Translation
(Subtitle required) .............................................. 3
SPA 371 Latin American Cinema (Subtitle required) .. 3
SPA 372 Spanish Cinema (Subtitle required) .......... 3
**SPA 397 Independent Work in Spanish .............. 3
**SPA 399 Field Based/
Community Based Education .......................... 1-15
**SPA 400 Special Topics in Spanish Literatures
and Languages (Subtitle required) .................... 3
SPA 424 Medieval and Early Modern Spanish Studies
(Subtitle required) .............................................. 3
SPA 432 18th and 19th Century Spanish Studies
(Subtitle required) .............................................. 3
SPA 434 Spanish Literature of the 20th Century ....... 3
SPA 435G Literature of Social Protest in
Spanish America ........................................... 3
SPA 440 20th and 21st Century Spanish Studies
(Subtitle required) .............................................. 3
SPA 454 Colonialism and 19th Century
Spanish-American Studies (Subtitle required) ...... 3
SPA 464 Contemporary Spanish-American Studies
(Subtitle required) .............................................. 3
SPA 474 Topics in Hispanic Studies
(Subtitle required) .............................................. 3
**SPA 480 Hispanic Kentucky .............................. 3
**SPA 497 Hispanic Studies Honors Thesis ............. 3
SPA 519 Themes in Medieval and Early Modern
Spanish Literature and Culture (Subtitle required) .. 3
SPA 529 Themes in Modern and Contemporary
Spanish Literature, Culture and Film (Subtitle required) .... 3
SPA 539 Themes in Latin American Literature,
Culture and Politics (Subtitle required) .............. 3

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

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

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

Option B – Spanish Literature
and Culture
Required Course
SPA 310 Spanish Composition
Through Textual Analysis ..................................... 3

Specialty Option Courses
Choose 18 credit hours from Literature and Culture courses:
**SPA 300 Contact Zones:
Cultivating Intercultural Competence .................... 3
SPA 312 Civilization of Spain ................................ 3
SPA 314 Civilization of Spanish America ................ 3
SPA 315 Introduction to Hispanic Literature .......... 3
SPA 320 Literature, Life and Thought of Spain ........ 3
SPA 322 Literature, Life and Thought
of Spanish America ......................................... 3

University of Kentucky
2017-2018 Undergraduate Bulletin

College of Arts and Sciences
**Language and Linguistics Courses**

* SPA 324 The Theatre in Spain and Spanish America .................. 3
* SPA 350 Hispanic Cities (Subtitle required) .................. 3
* SPA 361 Latin American Literature in Translation (Subtitle required) .................. 3
* SPA 371 Latin American Cinema (Subtitle required) .................. 3
* SPA 372 Spanish Cinema (Subtitle required) .................. 3
**SPA 397 Independent Work in Spanish .................. 3
**SPA 399 Field Based/ Community Based Education .................. 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................. 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .................. 3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required) .................. 3
SPA 438 Spanish Literature of the 20th Century .................. 3
SPA 438G Literature of Social Protest in Spanish America .................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .................. 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) .................. 3
SPA 478 Topics in Hispanic Studies (Subtitle required) .................. 3
*SPA 480 Hispanic Kentucky .................. 3
*SPA 497 Hispanic Studies Honors Thesis .................. 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .................. 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics .................. 3

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

**Non-specialty Option Courses**

Choose 6 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones: Cultivating Intercultural Competence .................. 3
SPA 302 Spanish for Business Professionals .................. 3
SPA 313 Advanced Spanish Language .................. 3
SPA 323 Introduction to Spanish Translation .................. 3
SPA 324 The Theatre in Spain and Spanish America .................. 3
SPA 326 Spanish and Latin American Business Environments .................. 3
SPA 332 Spanish and Latin American Business Environments .................. 3
SPA 397 Independent Work in Spanish .................. 3
**SPA 399 Field Based/ Community Based Education .................. 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................. 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .................. 3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required) .................. 3
SPA 438G Literature of Social Protest in Spanish America .................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .................. 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) .................. 3
SPA 478 Topics in Hispanic Studies (Subtitle required) .................. 3
*SPA 480 Hispanic Kentucky .................. 3
*SPA 497 Hispanic Studies Honors Thesis .................. 3
SPA 497 Hispanic Studies Honors Thesis .................. 3
**SPA 497 Hispanic Studies Honors Thesis .................. 3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics .................. 3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics .................. 3

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

**Option C – Spanish (General)**

**Required Course**

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

**Specialty Option Courses**

Choose 9 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones: Cultivating Intercultural Competence .................. 3
SPA 302 Spanish for Business Professionals .................. 3
SPA 313 Advanced Spanish Language .................. 3
SPA 323 Introduction to Spanish Translation .................. 3
SPA 324 The Theatre in Spain and Spanish America .................. 3
SPA 326 Spanish and Latin American Business Environments .................. 3
SPA 332 Spanish and Latin American Business Environments .................. 3
SPA 397 Independent Work in Spanish .................. 3
**SPA 399 Field Based/ Community Based Education .................. 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................. 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .................. 3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required) .................. 3
SPA 438G Literature of Social Protest in Spanish America .................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .................. 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) .................. 3
SPA 478 Topics in Hispanic Studies (Subtitle required) .................. 3
*SPA 480 Hispanic Kentucky .................. 3

Minor in Spanish

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

**Prerequisites**

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

**Required Core Course**

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

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

**Language and Linguistics Courses**

*SPA 300 Contact Zones: Cultivating Intercultural Competence .................. 3
SPA 302 Spanish for Business Professionals .................. 3
SPA 313 Advanced Spanish Language .................. 3
SPA 323 Introduction to Spanish Translation .................. 3
SPA 324 The Theatre in Spain and Spanish America .................. 3
SPA 326 Spanish and Latin American Business Environments .................. 3
SPA 397 Independent Work in Spanish .................. 3
**SPA 399 Field Based/ Community Based Education .................. 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................. 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .................. 3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required) .................. 3
SPA 438G Literature of Social Protest in Spanish America .................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .................. 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) .................. 3
SPA 478 Topics in Hispanic Studies (Subtitle required) .................. 3
SPA 480 Hispanic Kentucky .................. 3

**Literature and Culture Courses**

*SPA 300 Contact Zones: Cultivating Intercultural Competence .................. 3
SPA 312 Civilization of Spain .................. 3
SPA 314 Civilization of Spanish America .................. 3
SPA 315 Introduction to Hispanic Literature .................. 3
SPA 320 Literature, Life and Thought of Spain .................. 3
SPA 322 Literature, Life and Thought of Spanish America .................. 3
SPA 324 The Theatre in Spain and Spanish America .................. 3
SPA 350 Hispanic Cities (Subtitle required) .................. 3
SPA 361 Latin American Literature in Translation (Subtitle required) .................. 3
SPA 371 Latin American Cinema (Subtitle required) .................. 3
SPA 372 Spanish Cinema (Subtitle required) .................. 3
**SPA 397 Independent Work in Spanish .................. 3
**SPA 399 Field Based/ Community Based Education .................. 1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) .................. 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .................. 3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required) .................. 3
SPA 438G Literature of Social Protest in Spanish America .................. 3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .................. 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .................. 3
SPA 464 Contemporary Spanish-American Studies (Subtitle required) .................. 3
SPA 478 Topics in Hispanic Studies (Subtitle required) .................. 3
*SPA 480 Hispanic Kentucky .................. 3

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

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

History is the study of the most important and exciting events that have ever occurred, providing students with a wide ranging introduction to modern societies, cultures, and global events. The Department of History’s program provides rigorous instruction in critical thinking, writing, and composition. And as one of the broadest and most diverse disciplines in academia, history provides students with connections to numerous other programs and opportunities across campus. History majors develop research and presentation skills that are highly transferable to any career, including those in public policy, law, government, education, public relations, healthcare, journalism, publishing, sales, and marketing, among others.

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 131.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)

HIS 499 Senior Seminar for History Majors
(Subtitle required) .................................................... 3

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

College Requirements

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

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

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

Premajor Requirements

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

and

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

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

Major Requirements

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

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

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

Other Course Work Required for the Major
From the Major Department:
Choose 24 hours to include at least 6 hours in pre-1789 work; at least 6 hours in post-1789 work; at least 3 hours in American history; at least 3 hours of European history; at least 3 hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these must be at the 300+ level. .................................................. 24

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

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

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

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

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

**Premajor Requirements**

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

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

OR

HIS 106 Western Culture: Science and Technology I

and

HIS 107 Western Culture: Science and Technology II

and

HIS 108 History of the United States Through 1876

and

HIS 109 History of the United States Since 1877


**Major Requirements**

**Major Core Requirements**

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

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

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

**Other Course Work Required for the Major**

From the Major Department:

Choose 24 hours to include at least 6 hours in pre-1789; at least 6 hours in post-1789; at least 3 hours in American history; at least 3 hours of European history; at least 3 hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level ........................................... 24

From Outside the Major Department:

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

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

**Electives**

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

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

*Course used towards completion of a UK Core Requirement.

---

**Minor in History**

A minor in History provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior, complementing coursework in numerous other disciplines, including the humanities, the social sciences, and the natural and applied sciences.

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

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

   HIS 104/105 A History of Europe through the Mid-Seventeenth Century
   HIS 106/107 Western Culture: Science and Technology I/II
   HIS 108/109 History of the United States Through 1876/History of the United States Since 1877
   HIS 202/203 History of the British People to the Restoration/History of the British People Since the Restoration
   HIS 229/230 The Ancient Near East and Greece to the Death of Alexander the Great/The Hellenistic World and Rome to the Death of Constantine
   HIS 295/296 East Asia to 1800/East Asia Since 1600
   HIS 370/371 Early Middle Ages/Later Middle Ages
   HIS 385/386 History of Russia to 1825/History of Russia Since 1825

2. 12 hours of course work at or above the 300 level, at least 6 hours of which must be at or above the 400 level. No more than 12 of the 18 hours required may be in any one of the subfields of American history, European history, or history of the non-Western world.

---

**INTERNATIONAL STUDIES**

International Studies is an interdisciplinary program that encourages students to explore global issues in disciplines such as anthropology, economics, history, political science, geography, foreign language, English and the arts. Students will choose course work focused around a central theme and geographical region. Cultural knowledge will be developed further through expanded foreign language study. The program culminates in a capstone senior project. Study abroad is highly encouraged, although not required, for the International Studies major.

A degree in International Studies will prepare students for careers in business, government, non-government organizations, philanthropic agencies, or the arts. The major also prepares students for graduate study in the humanities, social sciences, international affairs, law, public health and communications.

---

**Bachelor of Arts with a major in INTERNATIONAL STUDIES**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. A complete description of College requirements for a Bachelor of Arts degree can be found on page 131.

**UK Core Requirements**

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

I. Intellectual Inquiry in Arts and Creativity

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

II. Intellectual Inquiry in the Humanities

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

---

**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**

INT 200 Introduction to International Studies ........................... 3

---

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

---

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

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

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

---

**College Requirements**

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

II. Disciplinary Requirements

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

b. Social Science (can be completed with Major Requirements) ........................... 6

c. Humanities (can be completed with Major Requirements) ........................... 6

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

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

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

---

**Distribution Requirements**

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.

2. Students must apply to their IS major at least one course from four different departments and/or academic programs.

3. Students must complete at least 24 of the major’s total credit hours at the 300 level or above.

---

**Major Requirements**

**Pathway Courses**

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

ANT 160 Cultural Diversity in the Modern World ........................... 3

ANT 225 Culture, Environment and Global Issues ........................... 3

GEO 152 Regional Geography of the World ........................... 3

GEO 160 Lands and Peoples of the Non-Western World ........................... 3

GEO 161 Global Inequalities ........................... 3

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

HIS 104 A History of Europe through the Mid-Seventeenth Century ........................... 3

HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present ........................... 3

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

PS 230 Introduction to International Diplomacy ........................... 3
**Language Competency**

Complete the fourth semester in one language

AND

Two semesters in a second language ................. 6-8

OR

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

**Capstone Senior Project**

Complete the following course:

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

**Thematic and Area Concentrations**

Complete one of the following:

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

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

**Thematic Concentrations**

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

**Culture and the Arts**

The Culture and the Arts concentration focuses on forms of cultural expression and representation (performing arts, film, philosophy, literature, folklore and myth, visual arts) from global perspectives.

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

A-H 323 Medieval (Subtitle required) .......................................................... 3

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

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

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

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

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

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

CHI 321 Introduction to Contemporary Chinese Film .......... 3

CHI 330 Introduction to Chinese Culture, Pre-Moder to 1840 ................. 3

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

CHI 430 Popular Culture in Modern China .......................................................... 3

CHI 511 Literary Chinese .......................................................... 3

CLA 210 The Art of Greece and Rome .......................................................... 3

CLA 229 The Ancient Near East and Greece to the
   Death of Alexander the Great .......................................................... 3

CLA 230 The Hellenistic World and Rome to the
   Death of Constantine .......................................................... 3

CLA 261 Literary Masterpieces of Greece and Rome .......................................................... 3

CLA 301 Latin Literature I (Subtitle required) ......................... 3

CLA 302 Latin Literature II (Subtitle required) ......................... 3

CLA 331 Gender and Sexuality in Antiquity .......................................................... 3

CLA 382 Greek and Roman Religion .......................................................... 3

CLA 390 Backgrounds to and Early History
   of Christianity to 150 CE .......................................................... 3

CLA 391 Christians in the Roman Empire .......................................................... 3

CLA 480G Studies in Greek and Latin Literature
   (Subtitle required) .......................................................... 3

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

CLA 525 The Latin Literature of the Empire
   (Subtitle required) .......................................................... 3

CLA 528 Late Antique and Post-Imperial Latin
   Literature (Subtitle required) .......................................................... 3

CLA 551 Greek Poetry and Drama (Subtitle required) ......................... 3

CLA 555 Greek Prose (Subtitle required) ......................... 3

ENG 241 Survey of British Literature I ......................... 3

ENG 242 Survey of British Literature II ......................... 3

ENG 274 Classics of Western Literature ......................... 3

ENG 342 Shakespeare .......................................................... 3

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

FR 214 France Today .......................................................... 3

FR 215 Visual Cultures .......................................................... 3

FR 225 French Film Noir ......................... 3

FR 263 African and Caribbean Literature and
   Culture of French Expression in Translation
   (Subtitle required) .......................................................... 3

*FR 324 Studies in French Literature
   (Subtitle required) .......................................................... 3

FR 325 French Cinema (Subtitle required) ......................... 3

FR 504 Topics in French Literature and Culture
   (Subtitle required) .......................................................... 3

GER 263 The German Cultural Tradition I ................. 3

GER 264 The German Cultural Tradition II .... 3

GER 311 Introduction to German Literature:
   Thematics (Subtitle required) ......................... 3

GER 312 German Popular Forms (Subtitle required) .... 3

GER 317 History of German Culture .......................................................... 3

GER 319 Contemporary German Literature
   and Culture .......................................................... 3

GER 322 War, Peace, and Terror
   in Germany and Europe .......................................................... 3

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

GER 363 Germanic Mythology .......................................................... 3

GER 515 Studies in Major Authors .......................................................... 3

GER 516 Studies in Genre .......................................................... 3

GER 540 Multidisciplinary German Studies Seminar
   (Subtitle required) .......................................................... 3

HJS 324 Jewish Thought and Culture I:
   From Ancient Israel to the Middle Ages .......................................................... 3

HJS 325 Jewish Thought and Culture II:
   From the Expulsion from Spain to the Present ......................... 3

*INT 350 Special Topics in International Studies
   (Subtitle required) .......................................................... 3

INT 399 Internship in International Studies
   (Subtitle required) .......................................................... 3

ITA 263 Studies in Italian Culture (Subtitle required) .... 3

ITA 443G Survey of Italian Literature I ......................... 3

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

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

JPN 421G Contemporary Literary and Visual Arts
   of Japan .......................................................... 3

MCL 270 Introduction to Folklore
   and Mythology .......................................................... 3

*MUS 330 Music in the World (Subtitle required) ................. 3

PHI 504 Islamic and Jewish Philosophy
   and the Classical Tradition .......................................................... 3

RUS 275 Russian Film .......................................................... 3

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

RUS 371 The Russian Cultural Imagination: 900-1900 ................. 3

RUS 372 Experiments in Life and Art:
   Russian Culture 1900-Present .......................................................... 3

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

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

SPA 312 Civilization of Spain .......................................................... 3

*SPA 314 Civilization of Spanish America .......................................................... 3

SPA 315 Introduction to Hispanic Literature
   (Subtitle required) .......................................................... 3

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

SPA 371 Latin American Cinema
   (Subtitle required) .......................................................... 3

SPA 372 Spanish Cinema (Subtitle required) ......................... 3

*SPA 400 Special Topics in Hispanic Literatures
   and Languages (Subtitle required) .......................................................... 3

SPA 423 Advanced Spanish Translation ......................... 3

SPA 424 Medieval and Early Modern
   Spanish Studies (Subtitle required) .......................................................... 3

SPA 434 Spanish Literature of the 20th Century ......................... 3

SPA 438G Literature of Social Protest
   in Spanish America .......................................................... 3

*SPA 444 20th and 21st Century Spanish Studies
   (Subtitle required) .......................................................... 3

*SPA 454 Colonialism and 19th Century
   Spanish-American Studies (Subtitle required) .......................................................... 3

TA 386 World Theatre II .......................................................... 3

TA 485 French Theatre: Culture, Text
   and Performance .......................................................... 3

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

**Global Development**

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

AEC 309 International Agricultural, World Food Needs
   and U.S. Trade in Agricultural Products .......................................................... 3

AEC 471 International Trade .......................................................... 3

AEC 510 International Trade and
   Agricultural Marketing .......................................................... 3

AIS 338 Women and Islam .......................................................... 3

AIS 340 Fundamentalism and Reform in Islam .......................................................... 3

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

AIS 440 Introduction to the Quran .......................................................... 3

ANT 251 Global Health: Culture, Pathologies
   and Social Inequalities .......................................................... 3

ANT 311 Anthropology of Globalization .......................................................... 3

ANT 324 Contemporary Latin American Cultures .......................................................... 3

ANT 329 Cultures and Societies of Eurasia and Eastern
   Europe: Socialism and Post-Socialist Change .......................................................... 3

ANT 338 Economic Anthropology .......................................................... 3

ANT 340 Development and Change
   in the Third World .......................................................... 3

EDC 454G Culture, Education and Teaching Abroad .......................................................... 3

EPE 454G Culture, Education and Teaching Abroad .......................................................... 3

GEO 222 Cities of the World .......................................................... 3

GEO 231 Environment and Development .......................................................... 3

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

GEO 255 Geography of the Global Economy .......................................................... 3

GEO 260 Geographies of Development
   in the Global South .......................................................... 3

GEO 442G Political Geography .......................................................... 3

GEO 455 Globalization and the Changing World Economy .......................................................... 3

GEO 544 Human Population Dynamics .......................................................... 3

GEO 551 Japanese Multinational Corporations .......................................................... 3

HIS 521 European Social History, 1400-1800 .......................................................... 3

HIS 556 The British Empire, 1322-1879 .......................................................... 3

HIS 557 British Empire and Commonwealth, 1880-2000 .......................................................... 3

*INT 350 Special Topics in International Studies
   (Subtitle required) .......................................................... 3

INT 399 Internship in International Studies .......................................................... 3

JOU 319 World Media Systems .......................................................... 3

JPN 461G Japanese Colonialism and its Legacies .......................................................... 3

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

MAT 572 International Merchandizing .......................................................... 3

*MGT 309 Introduction to International Business .......................................................... 3

*MKT 435 International Marketing .......................................................... 3

*MUS 330 Music in the World (Subtitle required) .......................................................... 3

*PS 436G International Organization .......................................................... 3

*PS 437G Dynamics of International Law .......................................................... 3

*PS 438G International Relations .......................................................... 3

*SOC 380 Globalization: A Cross-Cultural Perspective .......................................................... 3

SW 320 Global Poverty: Responses Across Cultures .......................................................... 3
College of Arts and Sciences

Area Concentrations

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

Africa and the Middle East
AIS 228 Islamic Civilization ......................................... 3
AIS 330 Islamic Civilization II ....................................... 3
AIS 331 Classical Arabic Literature (in English) .......... 3
AIS 338 Women and Islam .......................................... 3
AIS 340 Fundamentalism and Reform in Islam ............ 3
*AIS 435 Topics in Islamic Studies (Subtitle required) .... 3
AIS 440 Introduction to the Quran ................................ 3
ANT 222 Middle East Cultures ...................................... 3
ANT 241 Origins of Old World Civilization ................... 3
ANT 326 Contemporary African Lives ............................ 3
ENG 440G Studies in British Literature (Subtitle required) ... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) .............................................................. 3
GEO 328 Geography of the Middle East and North Africa .... 3
GEO 336 Geography of Sub-Saharan Africa ................... 3
HIS 208 History of the Atlantic World ............................ 3
HIS 254 History of Colonial and Post-Colonial Africa .... 3
HIS 549 History of the Middle East: 1952 to the Present .... 3
*HIS 550 Studies in the Mid-East History and Politics (Subtitle required) .............................................................. 3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages ......................................................... 3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present ...................................................... 3
*INT 350 Special Topics in International Studies (Subtitle required) .............................................................. 3
INT 399 Internship in International Studies ................... 3
JOU 319 World Media Systems ..................................... 3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship ...................................................... 3
JPN 451G Social Movements in Modern Japan ................ 3
JPN 461G Japanese Colonialism and Its Legacies ............ 3
LAS 201 Introduction to Latin America ............................ 3
*PS 391 Special Topics in Political Science (Subtitle required) .............................................................. 3
*PS 410 Topics in Regional Politics (Subtitle required) .... 3
PS 419G The Governments and Politics of Eastern Asia .............................................................. 3
PS 420G Governments and Politics of South Asia ............ 3
PS 427G East European Politics ...................................... 3
PS 428G Latin American Government and Politics .......... 3
PS 429G Government and Politics in Russia and the Post-Soviet States ...................................................... 3
PS 433G Politics of International Economic Relations ....... 3
PS 436G International Organization ............................... 3
PS 437G Dynamics of International Law ........................ 3
*PS 439G Special Topics in International Relations (Subtitle required) .............................................................. 3
PS 538 Conflict and Cooperation in Latin American Relations .... 3
*SOC 444 Topics in Political Sociology (Subtitle required) .............................................................. 3
SW 320 Global Poverty: Responses Across Cultures .......... 3

*The subtitle for this course must directly relate to the Comparative Politics and Societies concentration. You must check with the IS director or advisor for verification prior to taking the course.

Europe
A-H 323 Medieval (Subtitle required) .............................. 3
A-H 334 Reframing Renaissance Art .............................. 3
ANT 241 Origins of Old World Civilization ................... 3
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change ...................................................... 3
CLA 210 The Art of Greece and Rome ........................... 3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great ...................................................... 3
CLA 230 The Hellenistic World and Rome to the Death of Constantine ...................................................... 3
CLA 261 Literary Masterpieces of Greece and Rome ........ 3
CLA 301 Latin Literature I (Subtitle required) .................... 3
CLA 302 Latin Literature II (Subtitle required) ................. 3
CLA 331 Gender and Sexuality in Antiquity ..................... 3
CLA 382 Greek and Roman Religion .............................. 3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE ...................................................... 3
CLA 391 Christians in the Roman Empire ...................... 3
CLA 480G Studies in Greek and Latin Literature (Subtitle required) .............................................................. 3
CLA 509 Roman Law ..................................................... 3
CLA 524 The Latin Literature of the Republic (Subtitle required) .............................................................. 3
CLA 525 The Latin Literature of the Empire (Subtitle required) .............................................................. 3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) .............................................................. 3
CLA 551 Greek Poetry and Drama (Subtitle required) ......... 3
CLA 555 Greek Prose (Subtitle required) ............................ 3
ENG 241 Survey of British Literature I ............................ 3
ENG 242 Survey of British Literature II ............................ 3
ENG 274 Classics of Western Literature ........................ 3
ENG 342 Shakespeare ..................................................... 3
ENG 440G Studies in British Literature (Subtitle required) .............................................................. 3
FR 214 France Today ..................................................... 3
FR 215 Visual Cultures ..................................................... 3
HIS 593 East Asian History Since World War II ............. 3
HIS 597 Westerners in East Asia, 1839 to the Present ....... 3
HJS 598 China in Revolution, 1895-1976 ...................... 3
*INT 350 Special Topics in International Studies (Subtitle required) .............................................................. 3
INT 399 Internship in International Studies ................... 3
ITA 443G Survey of Italian Literature I ............................ 3
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 .............................................................. 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .............................................................. 3
JPN 351 The Japanese Experience of the Twentieth Century .............................................................. 3
JPN 400G Topics in Japan Studies (Subtitle required) ....... 3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) .............................................................. 3
JPN 421G Contemporary Literary and Visual Arts of Japan .............................................................. 3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .............................................................. 3
JPN 451G Social Movements in Modern Japan .............. 3
JPN 461G Japanese Colonialism and Its Legacies .......... 3
PHI 343 Asian Philosophy ............................................. 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .............................................................. 3
*PS 410 Topics in Regional Politics (Subtitle required) .... 3
*SOC 444 Topics in Political Sociology (Subtitle required) .............................................................. 3

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

University of Kentucky 2017-2018 Undergraduate Bulletin 164
FR 225 French Film Noir .......................... 3
*FR 324 Studies in French Literature (Subtitle required) .......................... 3
FR 335 War, Literature, Film .......................... 3
*FR 350 Francophone Cultures (Subtitle required) .......................... 3
FR 504 Topics in French Literature and Culture (Subtitle required) .......................... 3
GEO 326 Geography of Europe .......................... 3
GER 263 The German Cultural Tradition I .......................... 3
GER 264 The German Cultural Tradition II .......................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .......................... 3
GER 312 German Popular Forms (Subtitle required) .......................... 3
GER 317 History of German Culture .......................... 3
GER 319 Contemporary German Literature and Culture .......................... 3
GER 342 War, Peace, and Terror in Germany and Europe .......................... 3
GER 361 German Cinema .......................... 3
GER 515 Studies in Major Authors .......................... 3
GER 516 Studies in Genre .......................... 3
GER 540 Multidisciplinary German Studies Seminar (Subtitle required) .......................... 3
GEO 202 History of British People to the Restoration .......................... 3
GEO 203 History of British People Since the Restoration .......................... 3
GEO 229 The Ancient Near East and Greece to the Death of Alexander the Great .......................... 3
GEO 230 The Hellenistic World and Rome to the Death of Constantine .......................... 3
GEO 323 The Holocaust .......................... 3
GEO 370 Early Middle Ages .......................... 3
GEO 371 Later Middle Ages .......................... 3
GEO 500 Preclassical and Classical Greece .......................... 3
GEO 501 Thirteenth-Century Greece and the Hellenistic World .......................... 3
GEO 502 A History of the Roman Republic .......................... 3
GEO 503 A History of the Roman Empire .......................... 3
GEO 504 Greek and Roman Medicine .......................... 3
GEO 509 Roman Law .......................... 3
GEO 514 Spain: From Conquest to Empire, 1200-1700 .......................... 3
GEO 519 The Era of the Renaissance .......................... 3
GEO 521 European Social History, 1400-1800 .......................... 3
GEO 522 Europe and the World in the Age of Revolution (1760-1815) .......................... 3
GEO 525 Modern Europe: 1890-1939 .......................... 3
GEO 526 Europe Since 1939 .......................... 3
GEO 527 Women in Modern Europe .......................... 3
GEO 540 History of Modern France to 1815 .......................... 3
GEO 541 History of Modern France Since 1815 .......................... 3
GEO 542 German History, 1789-1918 .......................... 3
GEO 543 German History Since 1918 .......................... 3
GEO 546 The Byzantine Empire .......................... 3
GEO 553 Eighteenth Century Britain .......................... 3
GEO 554 British History 1815-1901 .......................... 3
GEO 555 British History Since 1901 .......................... 3
GEO 556 The British Empire, 1322-1879 .......................... 3
GEO 557 British Empire and Commonwealth, 1880-2000 .......................... 3
*INT 350 Special Topics in International Studies (Subtitle required) .......................... 3
INT 399 Internship in International Studies .......................... 3
ITA 263 Studies in Italian Culture (Subtitle required) .......................... 3
*PS 410 Topics in Regional Politics (Subtitle required) .......................... 3
PS 419G The Governments and Politics of Eastern Asia .......................... 3
PS 420G Governments and Politics of South Asia .......................... 3
*SOC 444 Topics in Political Sociology (Subtitle required) .......................... 3
SPA 262 Hispanic Literatures in Translation (Subtitle required) .......................... 3
SPA 312 Civilization of Spain .......................... 3
SPA 320 Literature, Life and Thought of Spain .......................... 3
SPA 372 Spanish Cinema (Subtitle required) .......................... 3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required) .......................... 3
SPA 434 Spanish Literature of the 20th Century .......................... 3
SPA 438G Literature of Social Protest in Spanish America .......................... 3
*SPA 444 20th and 21st Century Spanish Studies (Subtitle required) .......................... 3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .......................... 3
TA 445 French Theatre: Culture, Text and Performance .......................... 3
The subtitle for this course must directly relate to the region concentration. You must check with the IS director or advisor for verification prior to taking the course.
Latin America
ANT 242 Origins of New World Civilization .......................... 3
ANT 320 Andean Civilization .......................... 3
ANT 322 Ancient Mexican Civilizations .......................... 3
ANT 324 Contemporary Latin American Cultures .......................... 3
ANT 328 The Ancient Maya .......................... 3
ENG 440G Studies in British Literature (Subtitle required) .......................... 3
FR 204 Introduction to French and Francophone Studies .......................... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (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 208 History of the Atlantic World .......................... 3
HIS 561 Culture, Ideas, and Society in Latin America .......................... 3
HIS 562 Modern Mexico .......................... 3
HIS 563 The History of Women in Latin America .......................... 3
HIS 564 History of Brazil .......................... 3
*INT 350 Special Topics in International Studies (Subtitle required) .......................... 3
INT 399 Internship in International Studies .......................... 3
LIS 201 Introduction to Latin America .......................... 3
*PS 410 Topics in Regional Politics (Subtitle required) .......................... 3
PS 420G Latin American Government and Politics .......................... 3
PS 538 Conflict and Cooperation in Latin American Relations .......................... 3
*SOC 444 Topics in Political Sociology (Subtitle required) .......................... 3
SPA 314 Civilization of Spanish America .......................... 3
SPA 315 Introduction to Hispanic Literature .......................... 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
SPA 480 Hispanic Kentucky .......................... 3
The subtitle for this course must directly relate to the Latin American concentration. You must check with the IS director or advisor for verification prior to taking the course.
Russian and Eurasia
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change .......................... 3
ANT 432 Anthropology of Eastern Europe and Russia .......................... 3
ENG 440G Studies in British Literature (Subtitle required) .......................... 3
GEO 329 Geography of the Former Soviet Union .......................... 3
HIS 385 History of Russia to 1825 .......................... 3
HIS 386 History of Russia Since 1825 .......................... 3
HIS 534 Russia in the 19th Century .......................... 3
HIS 535 Russia in the 20th Century .......................... 3
HIS 536 Intellectual and Cultural History of Russia to 1800 .......................... 3
HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .......................... 3
*INT 350 Special Topics in International Studies (Subtitle required) .......................... 3
INT 399 Internship in International Studies .......................... 3
*PS 410 Topics in Regional Politics (Subtitle required) .......................... 3
PS 420G East European Politics .......................... 3
PS 420G Government and Politics in Russia and the Post-Soviet States .......................... 3
RUS 261 Introduction to Russian Studies .......................... 3
RUS 275 Russian Film .......................... 3
RUS 370 Russian Folklore (in English) .......................... 3
RUS 371 The Russian Cultural Imagination: 900-1900 .......................... 3
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present .......................... 3
RUS 380 Love and Death in 19th Century Russian Literature .......................... 3
RUS 381 Writing, Revolution & Reaction in Modern Russian Literature .......................... 3
Minor in International Studies
The minor in International Studies requires 18 credit hours of course work, 12 of which must be at the 300 level or above. None of the 18 credit hours should be in either a thematic or area concentration. No more than 9 credit hours from any other major can apply to the minor. All 18 credit hours must be in approved International Studies courses.

LINGUISTICS

The Department of Linguistics offers an interdisciplinary curriculum designed to develop an understanding of the nature and implications of human language. The Linguistics Department provides solid foundations in phonological and grammatical analysis, as well as opportunities to investigate the social, cultural, psychological, and physical aspects of language use.

Bachelor of Arts with a major in LINGUISTICS

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

University of Kentucky 2017-2018 Undergraduate Bulletin 165
UK Core Requirements

See the UK Core section of this Bulletin for the complete
UK Core requirements. The courses listed below are (a)
recommended by the college, or (b) required courses that also
fulfill UK Core areas. Students should work closely with their
advisor to complete the UK Core requirements.
I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ..........................3

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

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

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

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

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

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

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

IX. Community, Culture and Citizenship in the USA
LIN 311 Language in U.S. Society ................................3

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

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

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

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

College Requirements

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

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

Premajor Requirements

Complete the third and fourth semesters of a foreign
language (or the equivalent) ..............................................6-8

Premajor hours: ..........................................................6-8

Major Requirements

Major Core Requirements
LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ..........................3
LIN 222 Introduction to Linguistics II:
Language in Context .....................................................3
plus four major area courses:
LIN 500 Phonetics .......................................................3
LIN 505 Linguistic Morphology .....................................3
LIN 512 Analysis of English Syntax ...............................3
LIN 515 Phonological Analysis ......................................3
plus 15 additional hours of LIN courses of which six (6) or
more must be at the 500 level and distinct from the major area
courses .................................................................15

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

Other Course Work Required for the Major
For the Related Component:
Choose 15 hours of additional courses relevant to the major
chosen from the fields of anthropology, computer science,
modern and classical languages, Hispanic studies, mathemat-
ics, psychology, philosophy or courses approved by the
Director of the Program ..................................................15

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

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

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

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

UK Core Requirements

See the UK Core section of this Bulletin for the complete
UK Core requirements. The courses listed below are (a)
recommended by the college, or (b) required courses that also
fulfill UK Core areas. Students should work closely with their
advisor to complete the UK Core requirements.
I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ..........................3

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

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

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

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

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

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

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

IX. Community, Culture and Citizenship in the USA
LIN 311 Language in U.S. Society ................................3

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

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

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

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

College Requirements

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

College Requirement hours: ...........................................13

Premajor Requirements

Complete the third and fourth semesters of a foreign
language (or the equivalent) ..............................................6-8

Premajor hours: ..........................................................6-8

Major Requirements

Major Core Requirements
LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ..........................3
LIN 222 Introduction to Linguistics II:
Language in Context .....................................................3
plus four major area courses:
LIN 500 Phonetics .......................................................3
LIN 505 Linguistic Morphology .....................................3
LIN 512 Analysis of English Syntax ...............................3
LIN 515 Phonological Analysis ......................................3
plus 15 additional hours of LIN courses of which six (6) or
more must be at the 500 level and distinct from the major area
courses .................................................................15

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

Other Course Work Required for the Major
For the Related Component:
Choose 15 hours of additional courses relevant to the major
chosen from the fields of anthropology, computer science,
modern and classical languages, Hispanic studies, mathemat-
ics, psychology, philosophy or courses approved by the
Director of the Program ..................................................15

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

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

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

Minor in Linguistics

The minor in Linguistics requires 18 hours of
course work to include:
LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis ..........................3
LIN 222 Introduction to Linguistics II:
Language in Context .....................................................3
Choose one phonetics/phonology course:
LIN 500 Phonetics or
LIN 515 Phonological Analysis ......................................3
Choose one morphosyntax/semantic course:
LIN 512 Analysis of English Syntax
LIN 505 Linguistic Morphology

University of Kentucky 2017-2018 Undergraduate Bulletin 166
MATHEMATICAL ECONOMICS

The mathematical economics major offers students a degree program that combines mathematics, statistics, and economics. In today's increasingly complicated international business world, a strong preparation in the fundamentals of both economics and mathematics is crucial to success. This degree program is designed to prepare a student to go directly into the business world with skills that are in high demand, or to go on to graduate study in economics or finance. A degree in mathematical economics would, for example, prepare a student for the beginning of a career in operations research or actuarial science.

In many ways, the mathematical economics program parallels the engineering philosophy. It combines the quantitative methods of mathematics with an applied science in order to solve real problems. As an example, operations research is used to optimize costs for extremely complicated systems such as airline scheduling. A major problem in business and economics is decision making under uncertainty. Efficient inventory control for large national retail chains can mean the difference between success and failure. A business will improve its bottom line if it can effectively control cost of inventory under the uncertainty of consumer demand. The solution of control problems of this type requires knowledge of relatively sophisticated mathematics and statistics as well as knowledge of basic economic principles.

There is currently a serious shortage of individuals who have sufficient training in mathematics and statistics as well as an understanding of business and economics. Companies that employ operations research analysts or actuaries cannot fill their positions. Mathematical economics and related areas have often been referred to as engineering for the service sector or “financial engineering.” With the ever increasing importance of the service sector in our economy, the math-econ degree will prove to be a valuable asset. The program will give the student an opportunity to study a fascinating collection of ideas and it will also provide the student with very marketable skills.

Bachelor of Arts with a major in MATHEMATICAL ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

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

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

V. Composition and Communication I
Choose one course from approved list ............................ 3

VI. Composition and Communication II
Choose one course from approved list ............................ 3

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

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

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

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

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

Graduation Composition and Communication Requirement (GCCR)
ECO 491G Applied Econometrics ................................ 3
Graduation Composition and Communication Requirement hours (GCCR) .................................................... 3

College Requirements

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

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

Premajor Requirements

Choose one of the following two sequences:
MA 113 Calculus I .......................................................... 8
or
MA 114 Calculus II ........................................................ 8
or
MA 137 Calculus I with Life Science Applications .............. 8
or
MA 138 Calculus II with Life Science Applications ......... 8

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

Major Requirements

Mathematics Core Requirements
MA 213 Calculus III ...................................................... 4
MA 214 Calculus IV ....................................................... 3
MA 320 Introductory Probability
or
STA 524 Probability ..................................................... 3

Other Course Work Required for the Major

For the Mathematics Component:
Choose one of the following two sequences:
MA 416G Introduction to Optimization ......................... 3
MA 417G Decision Making Under Uncertainty .............. 9

OR
MA 471G Advanced Calculus I ................................. 3
MA 472G Advanced Calculus II ................................ 3
MA 475G Decision Making Under Uncertainty .............. 9

For the Economics Component
ECO 491G Applied Econometrics ............................... 3
One 300+ level economics course ................................ 3
One 400+ level economics course ................................ 3

For the Statistics Component
Choose STA 296 or a higher level statistics course ......... 3

Other Major hours: ....................................................... 21

Electives

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

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.

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 page 131.

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

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

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

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

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

Mathematics Core Requirements

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

Other Course Work Required for the Major
For the Mathematics Component:
Choose one of the following two sequences:
MA 416G Introduction to Optimization ......................... 3
MA 417G Decision Making Under Uncertainty .............. 9

OR
MA 471G Advanced Calculus I ................................. 3
MA 472G Advanced Calculus II ................................ 3
MA 475G Decision Making Under Uncertainty .............. 9

For the Economics Component
ECO 491G Applied Econometrics ............................... 3
One 300+ level economics course ................................ 3
One 400+ level economics course ................................ 3

For the Statistics Component
Choose STA 296 or a higher level statistics course ......... 3

Other Major hours: ....................................................... 21

Electives

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

Total Minimum Hours

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

*Course used towards completion of a UK Core Requirement.

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 page 131.

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

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

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

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

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

Mathematics Core Requirements

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

Other Course Work Required for the Major
For the Mathematics Component:
Choose one of the following two sequences:
MA 416G Introduction to Optimization ......................... 3
MA 417G Decision Making Under Uncertainty .............. 9

OR
MA 471G Advanced Calculus I ................................. 3
MA 472G Advanced Calculus II ................................ 3
MA 475G Decision Making Under Uncertainty .............. 9

For the Economics Component
ECO 491G Applied Econometrics ............................... 3
One 300+ level economics course ................................ 3
One 400+ level economics course ................................ 3

For the Statistics Component
Choose STA 296 or a higher level statistics course ......... 3

Other Major hours: ....................................................... 21

Electives

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

Total Minimum Hours

Required for Degree ..................................................... 120
College of Arts and Sciences

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I .......................... 8

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ........................ 8

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

VIII. Statistical Inferential Reasoning
STA 296 Statistical Methods and Motivations ............................. 3

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

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

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

Graduation Composition and Communication Requirement (GCCR)
ECO 401G Applied Econometrics ............................................ 3

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

College Requirements

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

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

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

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

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

Premajor Requirements
Choose one of the following two sequences:
MA 113 Calculus I ....................................................................... 8
MA 114 Calculus II ..................................................................... 8

OR
MA 137 Calculus I with Life Science Applications ..................... 8
MA 138 Calculus II with Life Science Applications ................... 8

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

Major Requirements
Mathematics Core Requirements
MA 213 Calculus III ..................................................................... 4
MA 214 Calculus IV .................................................................... 3
MA 320 Introductory Probability ................................................ 3
or
STA 524 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 two sequences:
MA 416G Introduction to Optimization
MA 417G Decision Making Under Uncertainty ......................... 9

MA 472G Advanced Calculus II
MA 475G Advanced Calculus .................................................. 9

For the Economics Component
ECO 401G Applied Econometrics ............................................ 3
One 300+ level economics course ............................................. 3
One 400+ level economics course ............................................. 3

For the Statistics Component
Choose STA 296 or a higher level statistics course ................. 3

Other Major hours: ............................................................... 21

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

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

*Course used towards completion of a UK Core Requirement.

MATHEMATICS

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

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

Bachelor of Arts with a major in MATHEMATICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

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

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

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

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

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

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

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

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

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

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

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

UK Core hours: ................................................................. 31

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

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

College Requirements

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

II. Disciplinary Requirements
a. Natural Science ............................................................... 6
b. Social Science ............................................................... 6
c. Humanities ................................................................. 6

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

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

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

OPTIONS

Option A – Mathematics

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

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

Major Requirements
Major Core Requirements
MA 213 Calculus III ............................................................ 4

MA 214 Calculus IV ............................................................. 4

MA 261 Introduction to Number Theory ................................ 3

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

Major Core hours: ........................................................... 10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G. May not include MA 322. .................................................. 18

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

Other Major hours: ........................................................... 32
Option B – Mathematical Sciences

Premajor Requirements

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

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

Major Core hours: .............................................31

Other Course Work Required for the Major

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

From Outside the Major Department
Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement ....9

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

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 page 131.

UK Core Requirements

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

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

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

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

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

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

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

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

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

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

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

UK Core hours: .............................................31

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

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

College Requirements

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

II. Disciplinary Requirements
a. Natural Science ....3
b. Social Science ....3
c. Humanities ....3

III. Laboratory or Field Work ....1

IV. Electives ....6

College Requirement hours: ........................................16-30

OPTIONS

Option A – Mathematics

Premajor Requirements

*MA 113 Calculus I
MA 114 Calculus II ....4
CS 115 Introduction to Computer Programming ....3

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

Major Requirements

Major Core Requirements

MA 213 Calculus III ....4
MA 214 Calculus IV ....3
or
MA 261 Introduction to Number Theory ....3
MA 322 Matrix Algebra and its Applications ....3

Major Core hours: ...........................................10

Other Course Work Required for the Major

From the Major Department:
Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, MA/CS/415G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G.

May not include MA 322. ........................................18

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

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

Option B – Mathematical Sciences

Premajor Requirements

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

Premajor hours: .............................................32

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

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

Other Course Work Required for the Major

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

From Outside the Major Department
Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement ....9

Other Major hours: ...........................................15
Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ........................................... 0-9

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

*Course used towards completion of a UK Core Requirement.

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

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

1. MA 113/114 Calculus I and II and ...................... 8
   MA 213 Calculus III ........................................ 4
   or equivalent
2. MA 322 Matrix Algebra and Its Applications .... 3
   or equivalent
3. 6 additional hours of mathematics courses numbered greater than 213. Possible courses include: MA 214, MA 261, MA 320, MA 321, MA 327, MA 330, MA 341, MA 351, MA 361, or any 400 level math course.

MILITARY SCIENCE AND LEADERSHIP
(Army Officer Commissioning)

The Army Reserve Officers’ Training program at the University of Kentucky is open to both men and women and follows a general military science curriculum that is normally completed in four years but which may be completed in two years. An academic major in military science is not offered. The program’s primary objective is to commission the future leadership of the Active Army, Army National Guard, and U.S. Army Reserve.

Scholarships
Students interested in Army ROTC scholarships should contact the Army ROTC Admissions Officer at (859) 257-6865; or visit 101 Barker Hall on campus. Additionally, students should refer to the Student Financial Aid, Awards, and Benefits section of this Bulletin.

Academic Program
Required program courses are: AMS 101, AMS 102, AMS 211, AMS 212, AMS 301, AMS 302, AMS 341, AMS 342, an approved military history course (AMS 320), and continuous enrollment (or participation) in KHP 107 and AMS 250 or 350 once contracted in the ROTC program.

Also, cadets attend a five-week Leadership Development Assessment Course, usually in the summer between the junior and senior years in Fort Knox, KY.

An alternative two-year program is available for students with at least two academic years remaining until graduation and who have not completed the AMS 100- and AMS 200-level courses. Students should contact the Professor of Military Science about the four-week summer Leadership Training Course conducted each summer at Fort Knox, Kentucky. Successful completion of the camp enables students to take AMS 300-level courses and complete the program in two years.

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

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

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

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

Professional development and enrichment opportunities are also available through ROTC-sponsored university organizations—the Pershing Rifles and Kentucky Rangers.

Army ROTC incorporates the dimension of leadership into the academic curriculum and provides training and experience that can be valuable in any profession.

For more information, contact the Professor of Military Science, ATTN: Admissions Officer, U.S. Army ROTC, 101 Barker Hall, University of Kentucky, Lexington, KY 40506-0028; or call (859) 257-6865. Visit the Web site at: http://armyrotc.as.uky.edu/

MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

The Department of Modern and Classical Languages, Literatures and Cultures is comprised of tracks in Arabic and Islamic Studies, Chinese Studies, Classics, Folklore and Mythology, French and Francophone Studies, German Studies, Hebrew and Jewish Studies, Italian Studies, Japanese Studies and Russian Studies.

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

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements.

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

II. Intellectual Inquiry in the Humanities
Choose one of the following courses
AIS 320 Modern Arabic Literature and Film in Translation
AIS 330 Islamic Civilization II
AIS 340 Fundamentalism and Reform in Islam
AIS 345 Islamic Mysticism
CHI 330 Introduction to Chinese Culture
CHI 331 Introduction to Chinese Culture, Pre-Modern to 1840
FR 225 French Film Noir
FR 226 French Film Noir
FR 232 French Film Noir
GER 101 Fairy Tales in European Context
GER 305 German Film Today
MCL 100 The World of Language
MCL 135 Vampires: Evolution of a Sexy Monster
MCL 200 Global Literacy
MCL 270 Introduction to Folklore and Mythology
RUS 271 Russian Barter
RUS 371 Russian Cultural Imagery: 900-1900
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present

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

University of Kentucky
2017-2018 Undergraduate Bulletin
170
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .............................. 3

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

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

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

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

IX. Community, Culture and Citizenship in the USA
AIS 430 Islam in America or any area course .............. 3

X. Global Dynamics
AIS 228 Islamic Civilization ........................................ 3
CHI 331 Introduction to Chinese Culture, 1840 to Present
GER 342 War, Peace, and Terror in Germany and Europe
GER 361 German Cinema
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present
JPN 351 The Japanese Experience of the Twentieth Century
MCL 343 Global Horror
RUS 370 Russian Folklore (in English)
RUS 371 The Russian Cultural Imagination: 900-1900
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present
or any area course ...................................................... 3

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

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

College Requirements
I. Foreign Language (completed by Major Requirements)
II. Disciplinary Requirements
   a. Natural Science ......................................................... 3-6
   b. Social Science ............................................................. 3-6
   c. Humanities (completed by Major Requirements) ...... 3
III. Laboratory or Field Work .................................................. 1
IV. Electives ................................................................. 6
   College Requirement hours: ........................................ 19

MCL Common Core
MCL 100 The World of Language .................................. 3
MCL 200 Global Literacy .................................................. 3
Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student’s field of concentration ............................................ 3
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone ..................................... 3
   Common Core hours: ............................................. 12

TRACKS

MCL / Arabic and Islamic Studies

Track Requirements
AIS 228 Islamic Civilization .............................................. 3
AIS 302 Colloquial Arabic II .......................................... 3
AIS 305 Modern Arabic Literature and Film in Translation .... 3
AIS 331 Classical Arabic Literature (in English) ............... 3
AIS 338 Women and Islam ............................................. 3
AIS 340 Fundamentalism and Reform in Islam ................... 3
AIS 345 Islamic Mysticism ............................................. 3
AIS 410 Theology and Law in Islam .................................. 3
AIS 430 Islam in America ................................................ 3
AIS 440 Introduction to the Quran ................................... 3
AIS 442 Arabic Reading I ................................................. 3
AIS 443 Arabic Reading II ................................................. 3
ANT 222 Middle East Cultures ....................................... 3
ANT 326 Contemporary African Lives ......................... 3
ANT 327 Culture and Societies of India and South Asia ... 3
GEO 328 Geography of the Middle East and North Africa .... 3
GEO 330 Geography of the Indian Subcontinent ............. 3
GEO 336 Geography of Sub-Saharan Africa ................... 3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition ............................................. 3
*PS 410 Topics in Regional Politics (Subtitle required) .......... 3
MCL 375 Language Study Abroad ................................. 3
MCL 376 Cultural Studies Abroad ................................. 3
   Total Elective hours: .................................................. 30
   Major Requirement hours: ........................................ 42

MCL / Chinese Studies

Track Requirements
CHI 301 Advanced Intermediate Chinese I .................... 3
CHI 302 Advanced Intermediate Chinese II ................... 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .... 3
CHI 331 Introduction to Chinese Culture, 1840 to Present .... 3
   Track Requirement hours: ........................................... 12

Track Electives
Students must take 18 hours of the following courses toward a total of 42 credits:
CHI 320 Gender Politics in Chinese Literature .................. 3
CHI 321 Introduction to Contemporary Chinese Film .......... 3
CHI 322 Self and Society in Chinese Culture ................. 3
CHI 345 Introduction to Early Chinese Thought ............... 3
CHI 395 Independent Work in Chinese .......................... 1-3
CHI 401 Advanced Chinese I ......................................... 3

MCL / Classics

Track Requirements
To graduate with a major in Classics, the student must complete either Greek to the CLA 252 level or Latin to the 202-level either by successfully completing the specified course, by successfully completing a course above the 200-level in either language, or by demonstrating the equivalent competency.
The student must also complete 18 hours in courses at the 200-level or above with a CLA prefix or cross-listed CLA.
   Total Requirement hours: ........................................ 42

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

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

   MCL / Classics

Track Requirements
A-H 310 Asian Art and Culture (Subtitle required) .......... 3
AIS 338 Women and Islam ............................................. 3
AIS 430 Islam in America ................................................ 3
ANT 240 Introduction to Archaeology ........................... 3
ENG 271 The Bible as Literature .................................... 3
ENG 274 Classics of Western Literature ....................... 3
HIS 330 A History of Western Religious Thought (I) ......... 3
HIS 370 Early Middle Ages .......................................... 3
HIS 500 Preclassical and Classical Greece ..................... 3
HIS 501 Fourth-Century Greece and the Hellenistic World .......................... 3
HIS 502 A History of the Roman Republic ..................... 3
HIS 503 A History of the Roman Empire ....................... 3
HIS 504 Greek and Roman Medicine ............................. 3
HIS 511 Barbarians ..................................................... 3
HIS 512 Carolingian Empire ......................................... 3

College of Arts and Sciences
College of Arts and Sciences

HIS 519 The Era of the Renaissance ......................... 3
HIS 546 The Byzantine Empire .............................. 3
HIS 324 Jewish Thought and Culture I:
  From Ancient Israel to the Middle Ages .......... 3
MCL 270 Introduction to Folklore and Mythology ..... 3
MCL 595 Topics in Folklore and Mythology
(Subtitle required) ............................................. 3
PH 260 History of Philosophy I:
  From Greek Beginnings to the Middle Ages ....... 3
PH 503 Topics in Ancient Philosophy ................... 3
MCL 375 Language Study Abroad
  or MCL 376 Cultural Studies Abroad
  or other Study Abroad courses approved by the Director
  of Undergraduate Studies ................................. 1-3

Total Elective hours ........................................... 12
Major Requirement hours: ................................. 42

MCL / French and Francophone Studies

Track Requirements
FR 204 Introduction to French and Francophone Studies ................................. 3
FR 214 France Today
FR 215 Visual Cultures ................................. 3
FR 410 French in Performance
FR 425 Media Studies ......................................... 3
FR 470G Topical Seminar I (Subtitle required) ........... 3
FR 471G Topical Seminar II (Subtitle required) .......... 3

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

Track Electives
Choose 15 hours from among the following courses:
FR 307 French for Business and Economics ................................. 3
FR 310 French Phonetics ........................................... 3
FR 311 Introduction to French Linguistics ....................... 3
FR 324 Studies in French Literature
(Subtitle required) ........................................... 3
FR 325 French Cinema (Subtitle required) ....................... 3
FR 344 The Literary Text (Subtitle required) ............... 3
FR 350 Francophone Cultures (Subtitle required) ........... 3
MCL 375 Language Study Abroad
  or MCL 376 Cultural Studies Abroad
  or other Study Abroad courses approved by the Director
  of Undergraduate Studies ................................. 1-3

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

MCL / German Studies

Track Requirements
GER 307 Intermediate German Composition
  and Conversation I ........................................... 3
GER 308 Intermediate German Composition
  and Conversation II ......................................... 3
GER 311 Introduction to German Literature:
  Themes (Subtitle required) ......................... 3
GER 312 German Popular Forms
(Subtitle required) ........................................... 3

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

Track Electives
In addition, the student must complete 12 hours from the following courses:
GER 310 German for International Business
  and Professions ........................................... 3
GER 317 History of German Culture ....................... 3
GER 319 Contemporary German Literature
  and Culture .................................................. 3
GER 342 War, Peace, and Terror
  in Germany and Europe .................................. 3
GER 352 German-Speaking Europe (Subtitle required) ........ 3
GER 361 German Cinema ........................................ 3
GER 363 Germanic Mythology ................................ 3
GER 395 Independent Work in German ................. 3
GER 507 Advanced German Composition
  and Conversation ........................................... 3
GER 515 Studies in Major Authors ......................... 3
GER 516 Studies in Genre ...................................... 3
GER 550 Multidisciplinary German Studies Seminar
(Subtitle required) ........................................... 3
GER 343 Global Horror ........................................... 3
MCL 375 Language Study Abroad
  or MCL 376 Cultural Studies Abroad
  or other Study Abroad courses approved by the Director
  of Undergraduate Studies ................................. 1-3

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

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

MCL / Japan Studies

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

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

Track Electives
In addition, the student must complete 12 hours from the following courses. (Please note that courses listed above under Track Requirements and not used to satisfy the Track Requirements may be used to satisfy the Elective Requirements.)
JPN 283 Japanese Film ........................................... 3
JPN 400G Topics in Japan Studies
(Subtitle required) ........................................... 3
JPN 405 Seminar in Japanese
  and Asian Studies (Subtitle required) ............... 3
JPN 420G Pre-Modern Literary
  and Visual Arts of Japan ................................... 3
JPN 421G Contemporary Literary
  and Visual Arts of Japan ................................... 3
JPN 520 Japanese Linguistics and Society ...... 3
MCL 324 The City in the Twentieth Century:
  Tokyo, Shanghai, Paris .................................... 3
A-H 310 Asian Art and Culture (Subtitle required) .... 3
A-H 311 The Arts as Soft Power:
  The Japanese Tea Ceremony ................................ 3
JIS 295 East Asia to 1800 ........................................ 3
JIS 296 East Asia Since 1600 ................................... 3
HIS 357 Japan at War, 1850 to the Present ............. 3

GEO/JPN 334 Environment, Society
  and Economy of Japan ...................................... 3
GEO/JPN 491G Japanese Landscapes ................. 3
GEO/JPN 551 Japanese Multinational Corporations ....... 3
MCL 375 Language Study Abroad
  or MCL 376 Cultural Studies Abroad
  or other Study Abroad courses approved by the Director
  of Undergraduate Studies ................................. 1-3

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

MCL / Russian Studies

Track Requirements
RUS 301 Conversation and Composition I ................ 3
RUS 302 Advanced Intermediate Russian II ............... 3
RUS 371 The Russian Cultural Imagination:
  900-1900 ...................................................... 3
RUS 372 Experiments in Life and Art:
  Russian Culture 1900-Present ......................... 3

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

Track Electives
In addition, the student must complete 12 hours from the following courses:
RUS 275 Russian Film ........................................... 3
RUS 370 Russian Folklore (in English) ....................... 3
RUS 401 Advanced Russian I ................................... 3
RUS 404 Advanced Russian II ................................. 3
RUS 410G Russian for Special Purposes
  (Subtitle required) ........................................... 3
RUS 525 Russian Literary Studies (Subtitle required) .... 3
RUS 535 Russian Visual Studies (Subtitle required) ...... 3
RUS 545 Russian Cultural Studies (Subtitle required) ... 3
RUS 555 Topical Seminar on Russian Studies
  (Subtitle required) ........................................... 3
MCL 375 Language Study Abroad
  or MCL 376 Cultural Studies Abroad
  or other Study Abroad courses approved by the Director
  of Undergraduate Studies ................................. 1-3

Plus 6 credit hours related to Russia/Former USSR from outside the major department.

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

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

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

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 page 131.
UK Core Requirements

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

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

II. Intellectual Inquiry in the Humanities
Choose one of the following courses
- AIS 320 Modern Arabic Literature and Film in Translation
- AIS 330 Islamic Civilization II
- AIS 340 Fundamentalism and Reform in Islam
- AIS 345 Islamic Mysticism
- CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840
- CHI 331 Introduction to Chinese Culture, 1840 to Present
- FR 103 French Cinema
- FR 205 The French Graphic Novel
- FR 225 French Film Noir
- GER 103 Fairy Tales in European Context
- GER 305 German Film Today
- MCL 100 The World of Language
- MCL 135 Vampires: Evolution of a Sexy Monster
- MCL 270 Introduction to Folklore and Mythology
- RUS 275 Russian Film
- RUS 371 The Russian Cultural Imagination: 900-1900
- RUS 372 Experiments in Life and Art: Russian Culture 1900-Present
or any area course .................................................................. 3

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

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

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

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

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

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

IX. Community, Culture and Citizenship in the USA
- AIS 430 Islam in America
- or any area course .................................................................. 3

X. Global Dynamics
AIS 228 Islamic Civilization
CHI 331 Introduction to Chinese Culture, 1840 to Present
GER 342 War, Peace, and Terror in Germany and Europe
GER 361 German Cinema
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present
JPN 351 The Japanese Experience of the Twentieth Century
MCL 343 Global Horror
RUS 370 Russian Folklore (in English)
RUS 371 The Russian Cultural Imagination: 900-1900
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present
or any area course .................................................................. 3

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

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

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

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

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

MCL Common Core
MCL 100 The World of Language ............................................ 3
MCL 200 Global Literacy .................................................... 3
Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student’s field of concentration .................................................. 3
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone ................. 3

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

TRACKS

MCL / Arabic and Islamic Studies

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

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

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

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

*If topic is appropriate.

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

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

MCL / Chinese Studies

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

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

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

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

*If topic is appropriate.

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

Major Requirement hours: .................................................. 42
**MCL / Classics**

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

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

**Total Requirement hours: 18**

**Track Electives**
In addition, the student must complete 12 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). The following courses are automatically accepted to fulfill this requirement, but other courses may be accepted by the Director of Undergraduate Studies on a case-by-case basis.

- A-H 314 Ancient (Subtitle required) .............................................. 3
- AIS 228 Islamic Civilization .......................................................... 3
- ANT 240 Introduction to Archaeology ......................................... 3
- ENG 271 The Bible as Literature .................................................... 3
- ENG 274 Classics of Western Literature ......................................... 3
- HIS 330 A History of Western Religious Thought (I) .......................... 3
- HIS 370 Early Middle Ages ............................................................ 3
- HIS 390 Preclassical and Classical Greece ...................................... 3
- HIS 501 Fourth-Century Greece and the Hellenistic World ................... 3
- HIS 502 A History of the Roman Republic ...................................... 3
- HIS 503 A History of the Roman Empire ........................................ 3
- HIS 504 Greek and Roman Medicine ............................................. 3
- HIS 511 Barbarians ........................................................................ 3
- HIS 512 Carolingian Empire ........................................................... 3
- HIS 519 The Era of the Renaissance ................................................ 3
- HIS 546 The Byzantine Empire ....................................................... 3
- HIS 324 Jewish Thought and Culture: From Ancient Israel to the Middle Ages 3
- MCL 270 Introduction to Folklore and Mythology ............................. 3
- MCL 395 Topics in Folklore and Myth (Subtitle required) ..................... 3
- PHI 260 History of Philosophy I: From Greek Beginnings to the Middle Ages 3
- PHI 303 Topics in Ancient Philosophy ........................................... 3
- MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies ........................................... 1-3

**Total Elective hours 12**

**Major Requirement hours: 42**

---

**MCL / German Studies**

**Track Requirements**
GER 307 Intermediate German Composition and Conversation I ..................... 3
GER 308 Intermediate German Composition and Conversation II ..................... 3
GER 311 Introduction to German Literature: Themes (Subtitle required) .......... 3
GER 312 German Popular Forms (Subtitle required) ................................... 3

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

- GER 310 German for International Business and Professions .................. 3
- GER 317 History of German Culture .................................................. 3
- GER 319 Contemporary German Literature and Culture ........................ 3
- GER 342 War, Peace, and Terror in Germany and Europe ......................... 3
- GER 352 German-Speaking Europe (Subtitle required) ............................ 3
- GER 361 German Cinema .................................................................. 3
- GER 363 Germanic Mythology ........................................................... 3
- GER 395 Independent Work in German .............................................. 3
- GER 507 Advanced German Composition and Conversation ..................... 3
- GER 515 Studies in Major Authors ..................................................... 3
- GER 516 Studies in Genre .................................................................. 3
- GER 550 Multidisciplinary German Studies Seminar (Subtitle required) .... 3
- MCL 343 Global Horror ...................................................................... 3
- MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies ........................................... 1-3

**Total Elective hours 18**

**Major Requirement hours: 42**

---

**MCL / French and Francophone Studies**

**Track Requirements**
FR 204 Introduction to French and Francophone Studies .......................... 3
FR 214 France Today or FR 215 Visual Cultures ........................................... 3
FR 410 French in Performance or FR 425 Media Studies .............................. 3
FR 470G Topical Seminar I (Subtitle required) ...................................... 3
FR 471G Topical Seminar II (Subtitle required) ....................................... 3

**Track Requirement hours: 15**

**Track Electives**
Choose 15 hours from among the following courses:

- FR 307 French for Business and Economics ........................................... 3
- FR 310 French Phonetics .................................................................... 3
- FR 311 Introduction to French Linguistics ............................................. 3
- FR 324 Studies in French Literature (Subtitle required) .......................... 3
- FR 325 French Cinema (Subtitle required) ............................................ 3
- FR 344 The Literary Text (Subtitle required) ........................................... 3
- FR 350 Francophone Cultures (Subtitle required) .................................... 3
- MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies ........................................... 1-3

**Total Elective hours 18**

**Major Requirement hours: 42**

---

**MCL / Japan Studies**

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

**Track Requirement hours: 12**

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

- JPN 283 Japanese Film ........................................................................ 3
- JPN 400G Topics in Japan Studies (Subtitle required) ............................ 3
- JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) ........ 3
- JPN 420G Pre-Modern Literary and Visual Arts of Japan ........................ 3
- JPN 421G Contemporary Literary and Visual Arts of Japan ..................... 3
- JPN 520 Japanese Linguistics and Society ............................................ 3
- MCL 324 The City in the Twentieth Century: Tokyo, Shanghai, Paris ......... 3
- A-H 310 Asian Art and Culture (Subtitle required) ................................... 3
- HIS 295 East Asia to 1800 .................................................................. 3
- HIS 296 East Asia Since 1600 ............................................................. 3
- HIS 357 Japan at War, 1850 to the Present ........................................... 3
- GEO/JPN 334 Environment, Society and Economy of Japan .................... 3
- GEO/JPN 491G Japanese Landscapes .................................................. 3
- GEO/JPN 551 Japanese Multinational Corporations ............................... 3
- MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies ........................................... 1-3

**Total Elective hours 18**

**Major Requirement hours: 42**

---

**MCL / Russian Studies**

**Track Requirements**
RUS 301 Conversation and Composition I .............................................. 3
RUS 302 Advanced Intermediate Russian II ............................................ 3
RUS 371 The Russian Cultural Imagination: 900-1900 .............................. 3
RUS 372 Experiments in Life and Art: Russian Culture 1900-Present ................ 3

**Track Requirement hours: 12**

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

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

Plus 6 credit hours related to Russia/Former USSR from outside the major department.

Total Elective hours ................................................. 18
Major Requirement hours: ............................................ 42
Total Minimum Hours
Required for Degree .................................................... 120

---

**Minor in Modern and Classical Languages, Literatures and Cultures**

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

---

**MCL / Chinese Studies**

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

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

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

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

---

**MCL / Classics**

Core Requirements
The requirements for a Classics minor are 18 credit hours, at least 6 of which must be at the 300 level or above, earned from among the following courses:
1. Greek and Latin courses at any level
2. Non-language CLA courses at the 200 level or higher
All courses may be chosen from category 1, all from category 2, or the two categories may be combined in any manner, as long as students earn the requisite 18 credit hours. MCL 100, MCL 200, MCL 375 and MCL 376 may count toward the MCL Classics minor.

---

**MCL / Folklore and Mythology**

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

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

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

Elective Requirements
Choose an additional 6 hours from the following courses:
- CLA 331 Gender and Sexuality in Antiquity ............................................................ 3
- CLA 382 Greek and Roman Religion ................................................................. 3
- FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ................................................................. 3
- GER 363 Germanic Mythology ................................................................. 3
- RUS 370 Russian Folklore (in English) ................................................................. 3
- MCL 395 Topics in Folklore and Myth (Subtitle required) .................................... 3
- Choose 3 additional hours in elective courses (chosen from the MCL courses above not taken for the elective requirement) or from other courses approved by the advisor or from the following:
  - CLA 462G Topics in Classical Literature (Subtitle required) .................................... 3
  - GER 263 The German Cultural Tradition I (Subtitle required) .................................. 3
  - GERM 312 German Popular Forms (Subtitle required) ........................................ 3
- AAS 200 Introduction to African-American Studies ............................................. 3
- AAS 254 History of Colonial and Post-Colonial Africa ....................................... 3
- ANT 220 Introduction to Cultural Anthropology .................................................. 3
- ANT 241 Origins of Old World Civilization ......................................................... 3
- ANT 242 Origins of New World Civilization ......................................................... 3
- ANT 245 Food Culture and Society ....................................................................... 3
- ANT 301 History of Anthropological Theory ...................................................... 3
- ANT 401 Gender Roles in Cross-Cultural Perspective .......................................... 3
- ANT 450 Symbols and Culture ............................................................................. 3
- ANT 470G Regional American Ethnography ....................................................... 3
- APP 200 Introduction to Appalachian Studies .................................................... 3
- *APP 300 Topics in Appalachian Studies (Subtitle required) .................................... 3
- ENG 271 The Bible as Literature ............................................................................ 3
- *ENG 492G Cultural Studies (Subtitle required) .................................................. 3
- ENG 319 Introduction to Old English .................................................................... 3
- HIS 521 European Social History, 1400-1800 ....................................................... 3
- HIS 536 Intellectual and Cultural History of Russia to 1800 .................................. 3
- LAS 201 Introduction to Latin America ................................................................. 3
- *LIN 317 Language and Society (Subtitle required) .............................................. 3

Choose 3 additional hours in elective courses (chosen from the MCL courses above not taken for the elective requirement) or from other courses approved by the advisor or from the following:

---

**MCL / French and Francophone Studies**

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

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

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

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

---

**MCL / German Studies**

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

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

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

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

---

**MCL / Islamic Studies**

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

Total Core hours ......................................................... 6

Elective Requirements
An additional 12 credit hours from among the following:
AIS 101 Elementary Modern Standard Arabic .................................................... 4
AIS 102 Elementary Modern Standard Arabic .................................................... 4
AIS 201 Intermediate Modern Standard Arabic .................................................... 3
AIS 202 Intermediate Modern Standard Arabic .................................................... 3
AIS 228 Islamic Civilization ................................................................. 3

---

University of Kentucky
2017-2018 Undergraduate Bulletin 175
Other courses in the area may be elected with the approval of Undergraduate Studies ........................................ 1-3

MCL 376 Cultural Studies Abroad

Other Study Abroad courses approved by the Director of Undergraduate Studies........................................ 1-3

MCL 375 Language Study Abroad

Other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

MCL 376 Cultural Studies Abroad

Other Study Abroad courses approved by the Director of Undergraduate Studies ........................................ 1-3

MCL / Italian Studies

Total Elective hours .............................. 9

Elective Requirements

In addition student must complete 9 hours from the following courses:

ITA 263 Studies in Italian Culture (Subtitle required) .................. 3
ITA 201 Intermediate Italian ............................................ 3
ITA 202 Intermediate Italian ............................................ 3

Total Core hours: ........................................ 3

College of Arts and Sciences

Elective Requirements

In addition student must complete 12 hours from the following courses:

ITA 201 Intermediate Italian ............................................ 3
ITA 202 Intermediate Italian ............................................ 3

Total Core hours: ........................................ 3

University of Kentucky

2017-2018 Undergraduate Bulletin

176
| MA 137 Calculus I with Life Science Applications | 4 |
| MA 113 Calculus I | 4 |
| STA 296 Statistical Methods and Motivations | 3 |
| PSY 215 Experimental Psychology | 3 |
| PSY 216 Applications of Statistics in Psychology | 8 |
| CHE 231 Organic Chemistry Laboratory I | 1 |
| CHE 230 Organic Chemistry I | 3 |
| CHE 232 Organic Chemistry II | 3 |
| CHE 233 Organic Chemistry Laboratory II | 1 |
| PHY 211/213 General Physics | 10 |
| PHY 231/232 General University Physics | 10 |
| **WRD 204 Technical Writing | 3 |
| Program Core hours: | 38-41 |

**Guided Electives**

Students will choose at least one course from each of the four thematic areas below. Some courses are listed in more than one area. However, the same course cannot be used to satisfy two thematic requirements.

**A. Cellular/Molecular**

- ANA 442 Molecular and Cellular Neurobiology
- CHE 556 Elements of Neurochemistry
- *BIO 510 Recombinant DNA
- **Techniques Laboratory**

**B. Physiology**

- BIO 446 Neurophysiology Laboratory
- *BIO 535 Comparative Neurobiology and Behavior

**C. Neuroanatomy**

- BIO 440 Comparative and Functional Anatomy
- ANA 417G Functional Human Neuroanatomy
- PSY 312 Brain and Behavior
- ANA 209 Principles of Human Anatomy

**D. Integrated**

- PSY 312 Brain and Behavior
- BIO 375 Behavioral Ecology and Sociobiology
- ANA 410G Neurobiology of Brain and Spinal Cord Disorders

*ANA 516 Selected Topics
- in Advanced Neuroscience
- *BIO 507 Biology of Sleep and Circadian Rhythms
- CGS 500 Cognitive Science in Theory and Practice
- **CSD 571 Neural Bases of Speech, Language, and Hearing**
- PSY 459 Neuropharmacology: Drugs and Behavior
- BIO 447 Animal Senses
- Other neuroscience-related courses at the 200-level or above, as approved by DUS in Neuroscience.

*Requires consent of instructor.

**Guided Elective hours:** 12-14

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation. 6

**Total Minimum Hours Required for Degree:** 120

**Minor in Neuroscience**

The minor in Neuroscience requires 18 hours of course work to include:

**Minor Prerequisites**

- BIO 152 Principles of Biology II or equivalent

**Minor Requirement**

One of the following:

- BIO 302 Introduction to Neuroscience
- PSY 312 Brain and Behavior

**Minor Electives**

Complete 12 credits from the following courses:

**Anatomy**

- *ANA 394 Independent Research in Neurobiology and Neuroscience
- *ANA 410G Neurobiology of Brain and Spinal Cord Disorders
- ANA 417G Functional Human Neuroanatomy
- ANA 442 Molecular and Cellular Neurobiology
- ANA 605 Neurobiology of CNS Injury and Repair

**Biology**

- BIO 394 Research in Neuroscience
- BIO 446 Neurophysiology Laboratory
- BIO 507 Biology of Sleep and Circadian Rhythms
- BIO 535 Comparative Neurobiology and Behavior
- BIO 638 Developmental Neurobiology
- BIO 650 Animal Physiology Laboratory

**Chemistry**

- CHE 556 Elements of Neurochemistry

**Cognitive Science**

- CGS 500 Cognitive Science in Theory and Practice

**Communication Sciences and Disorders**

- CSD 571 Neural Bases of Speech, Language, and Hearing

**Psychology**

- *PSY 393 Research in Neuroscience
- *PSY 459 Neuropharmacology: Drugs and Behavior

Other neuroscience-related courses at the 200-level or above, as approved by DUS in Biology

**Total Hours:** 18

*No more than six hours from research courses may apply to the 12 hours of electives.

**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 analytic precision and dialogical engagement, Philosophy is well positioned to help students develop their problem-solving, creative and critical thinking, communication, and other skills highly valued in the real world.

**Bachelor of Arts with a major in PHILOSOPHY**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.
UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Suggested:
PHI 315 Philosophy and Science Fiction ........................... 3

II. Intellectual Inquiry in the Humanities
Suggested – one of the following:
PHI 100 Introduction to Philosophy: Knowledge and Reality
PHI 260 History of Philosophy I: From Greek Beginnings to the Middle Ages
PHI 270 History of Philosophy II: From the Renaissance to the Present Era
PHI 317 Existentialist Thought and Literature
PHI 380 Death, Dying and the Quality of Life ........................... 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
Suggested:
PHI 120 The Art of Thinking: An Introduction to Logic ........................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................ 3

IX. Community, Culture and Citizenship in the USA
Suggested – one of the following:
PHI 130 Introduction to Philosophy: Morality and Society
PHI 205 Food Ethics
PHI 335 The Individual and Society
PHI 340 Introduction to Feminism and Philosophy
PHI 361 Biology and Society (Subtitle required) ....................... 3

X. Global Dynamics
Suggested:
PHI 343 Asian Philosophy .............................................. 3

UK Core hours: .................................................. 30

Graduation Composition and Communication Requirement (GCCR)
PHI 350 Metaphysics and Epistemology ............................. 3
Graduation Composition and Communication Requirement hours (GCCR) .............................................. 3

College Requirements
I. Foreign Language (placement exam recommended) ................. 0-14
II. Disciplinary Requirements
   a. Natural Science ................................................. 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 300, 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343, 361, 380, 395, 500 ............................... 3

From Outside the Major Department
Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses ......... 18

Other Major hours: .................................................. 36

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ...................... 0-36

Total Minimum Hours Required for Degree ........................................ 120

Minor in Philosophy
The minor in Philosophy requires a minimum of 18 hours of course work to include:

a. No more than two 100-level courses
b. At least one course in logic (PHI 120, PHI 320, or PHI 520)
c. At least one course in the history of philosophy (PHI 260, PHI 270, or any course from Group A of the undergraduate curriculum)
d. At least three courses (9 hours) at the 300 level or above, excluding PHI 320 and PHI 399.

PHYSICS AND ASTRONOMY

The Department of Physics and Astronomy helps many students acquire a general understanding and appreciation of physics and astronomy. In the liberal arts tradition, the undergraduate curriculum is complete and flexible enough to allow a graduate with a major in physics to pursue a variety of careers. Many of our graduates continue their studies with graduate work in physics or other areas.

For the student interested in combining the study of physics with studies in other areas, the department can assist in the planning of an individual curriculum which meets both the minimum requirements of the Physics program and the student’s needs and interests. Such planning is of particular value to students intending to pursue careers in engineering, computer science, applied physics, medicine, radiation medicine, biophysics, law, meteorology, oceanography, geophysics, environmental sciences, management, or the teaching of physics and/or physical science at the junior and senior high school levels. By working closely with an advisor, the student with special interests can take advantage of opportunities to take several other courses from one or more departments outside physics, or double major in physics and another area. For a description of suggested curricula, visit our Web site at: www.pa.uky.edu/undergrad/curricul.html

Bachelor of Arts with a major in PHYSICS

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for the Bachelor of Arts degree on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ..................... 0-14

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ..................... 0-14

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ..................... 0-14

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ..................... 0-14

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3
**VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II ................................................. 3

**VII. Quantitative Foundations**
Choose one course from approved list .................................................. 3

**VIII. Statistical Inferential Reasoning**
Choose one course from approved list .................................................. 3

**IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list .................................................. 3

**X. Global Dynamics**
Choose one course from approved list .................................................. 3

**UK Core hours: .................................................. 30
Graduation Composition and Communication Requirement (GCCR)**
PHY 435 Intermediate Physics Laboratory .................................................. 3

**Graduation Composition and Communication Requirement hours (GCCR)** .................................................. 3

**College Requirements**
I. Foreign Language (placement exam recommended) ........................................ 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Premajor Requirements) ........................................ 6
b. Social Science ........................................................................................................ 6
c. Humanities .......................................................................................................... 3

III. Laboratory or Field Work (completed by Premajor Requirement) ......................... 3

IV. Electives ........................................................................................................... 6

**College Requirement hours: .................................................. 18-32
Premajor Requirements**

*PHY 231/242/241/242 General University Physics and Laboratory ........................................... 10 or with permission of the Director of Undergraduate Studies:

*PHY 211/213 General Physics .................................................................................. (10)
PHY 228 Optics, Relativity and Thermal Physics .................................................. 3
CHE 105 General College Chemistry I .................................................................... 4
CHE 107 General College Chemistry II ................................................................. 3
*MA 113 Calculus I ................................................................................................. 4
MA 114 Calculus II ................................................................................................ 4

**Premajor hours: .................................................. 28
Major Requirements**

**Major Core Requirements**
PHY 306 Theoretical Methods of Physics .................................................................. 3
PHY 335 Data Analysis for Physicists ....................................................................... 2
Any 3-hour 300-level PHY course ............................................................................ 3
Any 3-hour 400-level PHY course ............................................................................ 3
PHY 435 Intermediate Physics Laboratory ............................................................. 3
MA 213 Calculus III .................................................................................................. 4

**Major Core hours: .................................................. 21
Other Course Work Required for the Major**
From Outside the Major Department
Choose 13-16 hours outside Physics at the 300+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here .................................................. 13-16

**Other Major hours: .................................................. 13-16
Total Minimum Hours Required for Degree .................................................. 121

*Course used towards completion of a UK Core Requirement.

---

**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 360 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.A. in Physics.

**Freshman Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 113 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
</tr>
<tr>
<td>UK Core</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

| MA 114 Calculus II | 4 |
| PHY 231 General University Physics | 4 |
| PHY 242 General University Physics Laboratory | 1 |
| UK Core | 3 |

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 213 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 232 General University Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 361 Principles of Modern Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester**

| MA 214 Calculus IV | 4 |
| Major Related Electives | 3 |
| PHY 306 Theoretical Methods of Physics | 3 |
| PHY 228 Optics, Relativity and Thermal Physics | 3 |
| Foreign Language | 4 |
| Electives | 3 |

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 105 General College Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 335 Data Analysis for Physicists</td>
<td>2</td>
</tr>
<tr>
<td>*MA 322 Matrix Algebra and Its Applications</td>
<td>3</td>
</tr>
<tr>
<td>Major Related Electives</td>
<td>3</td>
</tr>
<tr>
<td>PIH 300*</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 107 General College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 361 Principles of Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>**Social Sciences 300+</td>
<td>3</td>
</tr>
<tr>
<td>Major Related Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3XX</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4XX</td>
<td>3</td>
</tr>
<tr>
<td>**Social Sciences 300+</td>
<td>3</td>
</tr>
<tr>
<td>Major Related Electives</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 435 Intermediate Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4XX (suggested)</td>
<td>3</td>
</tr>
<tr>
<td>PHY 5XX (suggested)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
</tr>
</tbody>
</table>

---

**Bachelor of Science with a major in PHYSICS**

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 131.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list .................................................. 3

**II. Intellectual Inquiry in the Humanities**
Choose one course from approved list .................................................. 3

**III. Intellectual Inquiry in the Social Sciences**
Choose one course from approved list .................................................. 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list .................................................. 3

**V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I .................................................. 3

**VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II .................................................. 3

**VII. Quantitative Foundations**
Choose one course from approved list .................................................. 3

**VIII. Statistical Inferential Reasoning**
Choose one course from approved list .................................................. 3

**IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list .................................................. 3

**X. Global Dynamics**
Choose one course from approved list .................................................. 3

**UK Core hours: .................................................. 30
Graduation Composition and Communication Requirement (GCCR)**
PHY 535 Advanced Physics Laboratory .................................................. 3

**Graduation Composition and Communication Requirement hours (GCCR)** .................................................. 3

**College Requirements**
I. Foreign Language (placement exam recommended) ........................................ 0-14

II. Disciplinary Requirements
a. Natural Science (completed by Premajor Requirements) ........................................ 6
b. Social Science ........................................................................................................ 3
c. Humanities .......................................................................................................... 3

III. Laboratory or Field Work (completed by Premajor Requirement) ......................... 3

---

University of Kentucky 2017-2018 Undergraduate Bulletin 179
### College of Arts and Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 113 Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>or MA 137 Calculus I</td>
<td></td>
</tr>
<tr>
<td>With Life Science Applications</td>
<td>4</td>
</tr>
<tr>
<td>MA 114 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>or MA 138 Calculus II</td>
<td></td>
</tr>
<tr>
<td>With Life Science Applications</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Astronomy Concentration

For students with an interest in astronomy, the Department offers the B.S. degree in physics with a concentration in astronomy. Among the Major Requirements, AST/PHY 591 Astrophysics I – Stars and AST/PHY 592, Astrophysics II – Galaxies and Interstellar Material are strongly recommended as courses within the area of concentration. AST 395, Independent Work in Astronomy, may be substituted for one of the laboratory courses of Requirement Three, subject to the work being done in astronomy and astrophysics. Students are encouraged, though not required, to enroll in AST 191, The Solar System, and AST 192, Stars, Galaxies and the Universe.

### POLITICAL SCIENCE

The undergraduate program in Political Science allows students to pursue course work in four disciplinary fields:

- **American Politics** – define the American political system, including the high-demand subfield of judicial politics and legal studies; study of the institutions, behavioral patterns, and public policies that define the American political system;
- **Comparative Politics** – study of the institutions, policies, and mass behaviors observed in political systems outside the United States, usually explored through comparison within or across regions of the world;
- **International Relations** – study of the international system as a whole, as well as of the actors (such as nation-states, corporations, and international organizations) who participate in shaping diplomatic, military, and economic outcomes within that system;
- **Theory/Methodology** – study of the values, concepts, and analytical methods that shape how people evaluate political life.

Degree recipients take introductory course work in each of these four areas, then pursue advanced studies in one or more of the fields as determined by their interests and/or career goals. In addition to conveying information about politics and government – necessary background for pursuing graduate work in political science and related fields – Political Science courses at UK
are designed to provide students with a broad liberal arts education. Graduates leave the program having cultivated their analytical abilities and having exercised their written and spoken communication skills. Such disciplinary training leads to a wide variety of careers, many of which have no direct political or governmental connection, but is particularly helpful in preparing students for careers such as law, policy analysis, governmental administration, diplomatic service, journalism, lobbying, and other sorts of political activity.

Currently the department offers two degree: a Bachelor of Arts and a Bachelor of Science. Most majors choose to pursue the B.A. The primary difference is that B.A. students must complete a minimum of 39 hours at the 300+ level, a requirement that students can fulfill using courses already needed for the major. Earning the B.S. degree, on the other hand, requires completing a minimum of 60 hours in natural, physical, mathematical, and computer sciences. Little of that course work fulfills other degree requirements.

Bachelor of Arts with a major in POLITICAL SCIENCE

<table>
<thead>
<tr>
<th>120 hours (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.</td>
</tr>
</tbody>
</table>

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

| I. Intellectual Inquiry in Arts and Creativity |
| Choose one course from approved list ................. 3 |
| II. Intellectual Inquiry in the Humanities |
| Choose one course from approved list ................. 3 |
| III. Intellectual Inquiry in the Social Sciences |
| Choose one course from approved list ................. 3 |
| IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences |
| Choose one course from approved list ................. 3 |
| V. Composition and Communication I |
| CIS/WRD 110 Composition and Communication I ........ 3 |
| VI. Composition and Communication II |
| CIS/WRD 111 Composition and Communication II ........ 3 |
| VII. Quantitative Foundations |
| Choose one course from approved list ................. 3 |
| VIII. Statistical Inferential Reasoning |
| Choose one course from approved list ................. 3 |
| IX. Community, Culture and Citizenship in the USA |
| PS 101 American Government ......................... 3 |

From Outside the Major Department

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies. .......................................... 15

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)

ACC 407
AEC 324, 471, 479, 510, 532
AHS 228, 330
AN 300
ANT 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534
APP 200
BSC – all 200+ level courses
COM 249, 449, 453
ECO – all 200+ level courses
EDC 326, 346
EDL 401
EPE – all 200+ level courses
FAM 509, 544, 563
FIN 423
FR 350, 550
GER 222, 240, 260, all 300+ level courses
GWS 200, 350
HIS – all 200+ level courses
HJS 324, 325
HON – all 200+ level courses (except independent work) IISM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
MAS 310, 319, 520
MGT 340, 341
MKT 310, 340, 450
MRE – all 300+ level courses
PFI – all 200+ level courses
PSY – all 200+ level courses
RUS 371, 372
SOC – all 200+ level courses
SPA 312, 314
ST 500
STA – all 200+ level courses
SW 222, 320, 430, 505, 523, 571
WRD 204

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

<table>
<thead>
<tr>
<th>120 hours (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. 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</td>
</tr>
</tbody>
</table>
applicable to the 60-hour requirement, on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
*PS 230 Introduction to International Relations ................ 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list .......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............ 3

VII. Quantitative Foundations
Choose one course from approved list .......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list .......................... 3

IX. Community, Culture and Citizenship in the USA
PS 101 American Government ..................................... 3

UK Core hours: ....................................................... 30

Graduation Composition and Communication Requirement (GCCR)
WRD 304 Writing in the Social Sciences .......................... 3

Graduation Composition and Communication Requirement hours (GCCR) ......................... 3

College Requirements
I. Foreign Language (placement exam recommended) .......................... 0-14

II. Disciplinary Requirements
a. Natural Science .................................................... 3
b. Social Science (completed by Premajor Requirements) ............ 3
c. Humanities .......................................................... 3

III. Laboratory or Field Work (completed by PS 372) .............. 3

IV. Electives .................................................................. 6

College Requirement hours: .................. 12-26

Premajor/Introductory Requirements
Field One – American Politics
PS 101 American Government ........................................ 3

Field Two – Comparative Politics
PS 210 Introduction to Comparative Politics .................. 3

Field Three – International Relations
*PS 230 Introduction to International Relations ................ 3

Field Four – Theory/Methodology
PS 240 Introduction to Political Theory or
PS 372 Introduction to Political Analysis .......................... 3

Premajor/Intro hours: .................................................... 12

Major/Core Requirements
After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

Disciplinary Courses
Students must take 15 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 399 may not be counted toward this requirement. Eligible courses span all four undergraduate fields:

Field One – American Politics
General American Politics Courses
Courses on American Law and Courts

Field Two – Comparative Politics

Field Three – International Relations

Field Four – Theory/Methodology
PS 240 or 372, 441G, 442G, 545, 572
Note: PS 391, 395, 490, and 492 also meet this disciplinary requirement, although the fields will vary depending on the topic.

Other Courses
Choose 6 hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ................................................................. 6

From Outside the Major Department
Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies ........................................... 15

AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)
ACC 407
AEC 324, 471, 479, 510, 532
AIS 228, 330
AN 300
ANT – 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534
APP 200
BSC – all 200+ level courses
COM 249, 449, 453
ECO – all 200+ level courses
EDC 326, 436
EDL 401
EPE – all 200+ level courses
FAM 509, 544, 563
FIN 423
FR 350, 550
GEO – all 222, 240, 260, all 300+ level courses
GER 264, 317, 319
GWS 200, 350
HHS – all 200+ level courses
HJS 324, 325
HON – all 200+ level courses (except independent work)
HSM 354
JOU 204, 531, 535
JPN 320, 321, 334, 451G, 461G
LAS 201
MAS 310, 319, 520
MGT 340, 341
MKT 310, 340, 450
NRE – all 300+ level courses
PHI – all 200+ level courses
PSY – all 200+ level courses
RUS 371, 372
SOC = all 200+ level courses
SPA 312, 314
ST 500
STA = all 200+ level courses
WRD 204

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation.

Total Minimum Hours Required for Degree ................................ 120
*Course used towards completion of a UK Core Requirement.

Minor in Political Science
The minor in Political Science requires a prerequisite course (PS 101) and 18 hours of course work at the 200 level or above to be distributed as follows:

1. 6 hours of 200 level courses, 3 hours of which must be either PS 210 or PS 230.
2. Four other courses, at least three of which must be at the 400 or 500 level.

PSYCHOLOGY
The undergraduate curriculum in psychology includes courses in the major content areas of psychology. The program provides course work emphasizing the fundamental concepts and techniques of this basic behavioral science. In addition to course work, the program provides for experience in conducting and analyzing laboratory and field research.

Bachelor of Arts with a major in PSYCHOLOGY
120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list .......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list .......................... 3

III. Intellectual Inquiry in the Social Sciences
*PS 101 Introduction to Political Analysis .......................... 3

2. Four other courses, at least three of which must be at the 400 or 500 level.

College of Arts and Sciences
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences .......................... 3
Choose one course from approved list ............ 3
V. Composition and Communication I .......................... 3
CIS/WRD 110 Composition and Communication I ............ 3
VI. Composition and Communication II .......................... 3
CIS/WRD 111 Composition and Communication II ............ 3
VII. Quantitative Foundations .......................... 3
Choose one course from approved list ............ 3
VIII. Statistical Inference and Reasoning .................. 4
PSY 215 Experimental Psychology ............ 4
PSY 216 Applications of Statistics in Psychology ............ 4
IX. Community, Culture and Citizenship in the USA ....... 3
Choose one course from approved list ............ 3
X. Global Dynamics ............................................... 3
Choose one course from approved list ............ 3

UK Core hours: ........................................ 35-36

Graduation Composition and Communication Requirement (GCCR) .......................... 4
Select one of the following (completed by Advanced Lecture/ Lab):
PSY 427 Cognitive Processes ................................... 4
PSY 430 Research in Personality ................................ 4
PSY 440 Research in Social Psychology ............ 4
PSY 450 Learning ........................................ 4
PSY 452 Evolutionary Psychology ....................... 4
PSY 456 Behavioral Neuroscience .................... 4
PSY 460 Processes of Psychological Development .... 4
PSY 552 Evolutionary Psychology ....................... 4
Graduation Composition and Communication Requirement hours (GCCR) ............ 4

College Requirements .......................... 0-14
I. Foreign Language (placement exam recommended) ............ 0-14
II. Disciplinary Requirements .......................... 3
a. Natural Science (partially completed by PSY 312; and to complete this requirement, consider PSY 456 as the Advanced Lecture/Lab or PSY 365 as the Capstone or PSY 393 or PSY 459 as electives) ............ 3
b. Social Science (completed by Premajor and Major Requirements) ............ 3
c. Humanities ........................................ 6
III. Laboratory or Field Work (completed by Premajor Requirement) ............ 6
IV. Electives ........................................ 15-29
College Requirement hours: .................... 15-29

Premajor Requirements .......................... 0-14
*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 .......................... 0-14
Major Core Courses .......................... 0-14
*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

Bachelor of Science with a major in PSYCHOLOGY

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: with the exception of PSY 215, PSY 216, PSY 312, PSY 393, PSY 456, PSY 459, and PSY 565, courses with a PSY prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.
I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ............ 3
II. Intellectual Inquiry in the Humanities
Choose one course from approved list ............ 3
III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology or approved equivalent transfer course ............ 3-4
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ............ 3
V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ............ 3
VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ............ 3
VII. Quantitative Foundations
Choose one course from approved list ............ 3
VIII. Statistical Inference and Reasoning
PSY 215 Experimental Psychology ............ 4
PSY 216 Applications of Statistics in Psychology ............ 4
IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............ 3
X. Global Dynamics
Choose one course from approved list ............ 3
UK Core hours: ........................................ 35-36

Graduation Composition and Communication Requirement (GCCR) .......................... 4
Select one of the following (completed by Advanced Lecture/ Lab):
PSY 427 Cognitive Processes ................................... 4
PSY 430 Research in Personality ................................ 4
PSY 440 Research in Social Psychology ............ 4
PSY 450 Learning ........................................ 4
PSY 456 Behavioral Neuroscience .................... 4
PSY 460 Processes of Psychological Development .... 4
PSY 552 Evolutionary Psychology ....................... 4
Graduation Composition and Communication Requirement hours (GCCR) ............ 4

College Requirements .......................... 0-14
I. Foreign Language (placement exam recommended) ............ 0-14
II. Disciplinary Requirements .......................... 3
a. Natural Science (completed by PST 312) ............ 3
b. Social Science (completed by Premajor Requirement) ............ 3
c. Humanities ........................................ 3
III. Laboratory or Field Work (completed by Premajor Requirement) ............ 6
IV. Electives ........................................ 9-23
College Requirement hours: .................... 9-23

Premajor Requirements .......................... 0-14
*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 .......................... 0-14
Major Core Requirements .......................... 0-14
*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
Capstone Option ........................................ 3-8
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, 551, 561, 562, 563, 564, 1565, 566
College of Arts and Sciences

Electives ................................................................. 0-5
Choose from: PSY 302, 320, 331, 333, 350, ††393, 394, 395, 399, ††459, 558

From Outside the Major Department
Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ........................................ 14
Other Major hours: ............................................... 26

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ..................................................... 5

Total Minimum Hours Required for Degree .................... 120

*Course used towards completion of a UK Core Requirement.
†Course used toward completion of the College 60-hour requirement.
††Course used toward completion of the College Natural Science requirement.

Minor in Psychology
The minor in Psychology requires a minimum of 19-20 hours of course work to include:

Prerequisite Courses
PSY 100 Introduction to Psychology or equivalent .................................................. 3-4
PSY 215 Experimental Psychology .............................................. 4
Four of the following five courses:
PSY 223 Developmental Psychology ............................................. 3
PSY 311 Learning and Cognition .................................................... 3
PSY 312 Brain and Behavior .......................................................... 3
PSY 313 Personality and Individual Differences .................... 3
PSY 314 Social Psychology and Cultural Processes ........ 3

SOCIOLGY
Sociology emphasizes the study of human behavior and basic social processes. The discipline provides excellent preparation for careers in a variety of occupations and professions including planning and community development, law, public relations and advertising, personnel administration, private business and government administration, health and human services, family relations, criminal justice fields, and others.

Students may major or minor in sociology. The department offers a Bachelor of Arts and a Bachelor of Science through the College of Arts and Sciences. Students may also complete a second major or minor in sociology even though they are enrolled in other colleges. In addition, students seeking certification in social studies education at the secondary level through the College of Education may also emphasize sociology in their programs.

Courses offered by the department cover a wide range of topics and issues. Areas such as social inequalities, work, organizations, economy, globalization, family, community, environment, crime, law and deviance comprise a large part of the curriculum. Students may also pursue special readings courses and experiential education placements or internships through the department.

Bachelor of Arts with a major in SOCIOLGY

120 hours (minimum)
Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

VII. Quantitative Foundations
Choose one course from approved list ......................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ......................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................... 3

X. Global Dynamics
Choose one course from approved list ......................... 3

UK Core hours: ...................................................... 30

Graduation Composition and Communication Requirement (GCCR)
SOC 302 Sociological Research Methods .................. 3
Graduation Composition and Communication Requirement hours (GCCR) ............. 3

College Requirements
I. Foreign Language (placement exam recommended) ..... 0-14
II. Disciplinary Requirements
   a. Natural Science ............................................. 6
   b. Social Science (completed by Premajor and Major Requirements) .... 6
   c. Humanities ...................................................... 6
III. Laboratory or Field Work (completed by Major Requirements) ............. 6
IV. Electives ................................................................. 6
College Requirement hours: ......................... 18-32

Premajor Requirements
Any two sociology courses at the 100 or 200 level (including CLD 102) .................. 3

Premajor hours: ...................................................... 6

Major Core Requirements
SOC 302 Sociological Research Methods .................. 3
SOC 303 Quantitative Sociological Analysis or
PSY 216 Applications of Statistics in Psychology .... 3-4
SOC 304 Classical Sociological Theory ......................... 3

Major Core hours: .................................................. 9-10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level .................. 18

From Outside the Major Department
Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here .................. 15

Other Major hours: .................................................. 30

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ..................................................... 5

Total Minimum Hours Required for Degree .................... 120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in SOCIOLGY

120 hours (minimum)
Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a SOC prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 131.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................... 3

III. Intellectual Inquiry in the Social Sciences
Choose one course from approved list ......................... 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
Choose one course from approved list ......................... 3

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........ 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ...... 3

College Requirement hours: ......................... 18-32

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level .................. 18

From Outside the Major Department
Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here .................. 15

Other Major hours: .................................................. 30

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation ..................................................... 5

Total Minimum Hours Required for Degree .................... 120

*Course used towards completion of a UK Core Requirement.
VII. Quantitative Foundations
Choose one course from approved list ............................... 3

VIII. Statistical Inferential Reasoning
Choose one course from approved list ............................... 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ............................... 3

X. Global Dynamics
Choose one course from approved list ............................... 3

UK Core hours: ............................................ 30

Graduation Composition and Communication Requirement (GCCR)
SOC 302 Sociological Research Methods ............................ 3

Graduation Composition and Communication Requirement hours (GCCR) ............................................ 3

College Requirements
I. Foreign Language (placement exam recommended) ............ 0-14
II. Disciplinary Requirements
   a. Natural Science .................................................. 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
Any two sociology courses at the 100 or 200 level (including CLD 102) ............................................ 6

Premajor hours: .................................................. 6

Major Core Requirements
SOC 302 Sociological Research Methods ............................ 3
SOC 303 Quantitative Sociological Analysis ....................... 3
or
PSY 216 Applications of Statistics in Psychology ...., 3-4
SOC 304 Classical Sociological Theory ........................... 3

Major Core hours: ............................................ 9-10

Other Course Work Required for the Major
From the Major Department:
Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level .... 18

From Outside the Major Department
Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. .................. 15

Other Major hours: ............................................ 30

Electives
Choose electives to lead to the minimum total of 120 hours required for graduation .............................. 9

Total Minimum Hours
Required for Degree ............................................ 120
*Course used towards completion of a UK Core Requirement.

Minor in Sociology

The minor in Sociology requires 21 hours of course work to include:

Prerequisites
SOC 101 Introduction to Sociology
or
CLD 102 The Dynamics of Rural Social Life .......................... 3

Any other 100- or 200-level sociology course .................... 3

Preminor hours: ............................................ 6

Minor Requirements
Students complete an additional 15 hours in sociology, at least 3 of which must be at the 400 level or above and must include one of the following six-hour blocks:
SOC 302 and SOC 303 (or PSY 216)
or
SOC 304 and SOC 305
or
SOC 302 and SOC 304

Minor in Criminology

The minor in Criminology requires 18 hours as follows:

Minor Prerequisite
SOC 235 Inequalities in Society ..................................... 3

Minor Requirements
SOC 302 Sociological Research Methods
or one of the following courses:
PSY 215 Experimental Psychology .............................. 3
PS 372 Introduction to Political Analysis ............................. 3
ANT 302 Ethnographic Methods: Doing Anthropology ........... 3
SW 450 Social Work Research Methods ........................... 3

Minor Electives
9 hours from the following courses, which must be at the 400-level:
*SOC 350 Topics in Sociology (Subtitle required) .............................. 3
SOC 438 Cross-National Crime ......................................... 3
SOC 483 The Psychology of Adjustment (Subtitle required) .......... 3

To complete the 9 hours, students may take one course from the following:
PS 360 Politics of Law and Courts ...................................... 3
PS 415G Comparative Judicial Politics .............................. 3
PS 437G Dynamics of International Law ............................. 3
PS 463G Judicial Politics ............................................ 3
PS 465G Constitutional Law ........................................... 3
GWS 430 Gender, Power and Violence .............................. 3
PSY 331 The Psychology of Adjustment .................................. 3
PSY 333 Abnormal Psychology ....................................... 3
SOC 534 Child Pathopsychology ...................................... 3
SW 512 Social Work in the Criminal Justice System .............. 3
SW 580 Topical Seminar in Social Work ............................. 1-4
SW 505 Child Welfare Services ..................................... 2-3
SW 571 Social Work and the Law ..................................... 3
COM 314 The Dark Side of Interpersonal Communication and Relationships ............................................ 3

*The subtitle for this course must directly relate to criminology.

Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 16 hours of course work is required to complete the minor, as follows:

Complete one of the following:
STA 296 Statistical Methods and Motivations ...................... 3
STA 321 Basic Statistical Theory .................................... 3
STA 525 Introductory Statistical Inference .......................... 3

Complete one of the following:
STA 281 Probability and Statistics ................................. 3
Using Interactive Computer Techniques
STA 320 Introductory Probability .................................. 3
STA 524 Probability ................................................... 3

Total Hours ............................................ 16-18

STATISTICS

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics.

The department does not offer an undergraduate degree, but students may elect to include statistics as part of a topical major or to minor in statistics. The program in mathematical sciences also includes several statistics courses. The Master of Science and the Doctor of Philosophy 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 biostatistics.

Consultation on statistical analysis and interpretation of data is provided to research workers on and off the campus. Particular attention is paid to the consulting needs of graduate students.

Minor in Statistics

The minor in statistics is aimed specifically at social and life science students, as well as students in the traditional mathematical sciences. A minimum of 16 hours of course work is required to complete the minor, as follows:

Complete one of the following:
STA 296 Statistical Methods and Motivations ...................... 3
STA 321 Basic Statistical Theory .................................... 3
STA 525 Introductory Statistical Inference .......................... 3

Complete one of the following:
STA 281 Probability and Statistics ................................. 3
Using Interactive Computer Techniques
STA 320 Introductory Probability .................................. 3
STA 524 Probability ................................................... 3

Total Hours ............................................ 16-18

WRITING, RHETORIC, AND DIGITAL STUDIES

The major in Writing, Rhetoric, and Digital Studies focuses on the humanistic study of writing and rhetoric in its various genres, contexts (social, historical, political), and media (print and digital, textual and visual). Students in the program study rhetoric and composition theory, practice writing in various forms (including professional and technical writing), and consider the emerging dynamics of digital composition.

The major prepares students to enter publishing, business, industry, or non-profit organizations. Students focusing on writing in digital environ-
The major in Writing, Rhetoric, and Digital Studies is grounded in the foundational idea that writing and rhetoric are important not only for professional success, but also for the development of an informed, engaged citizenry.

**College of Arts and Sciences**

**Bachelor of Arts with a major in WRITING, RHETORIC, AND DIGITAL STUDIES**

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 131.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................ 3

2. Intellectual Inquiry in the Humanities
   Choose one course from approved list ........................ 3

3. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ........................ 3

4. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ........................ 3

5. Composition and Communication I
   Choose one course from approved list ........................ 3

6. Composition and Communication II
   Choose one course from approved list ........................ 3

7. Quantitative Foundations
   Choose one course from approved list ........................ 3

8. Statistical Inferential Reasoning
   Choose one course from approved list ........................ 3

9. Community, Culture and Citizenship in the USA
   Choose one course from approved list ........................ 3

10. Global Dynamics
    Choose one course from approved list ........................ 3

11. UK Core hours: ................................................. 30

**Graduation Composition and Communication Requirement (GCCR)**

WRD 430 Advanced Workshop (Subtitle required) ........................ 3

**Graduation Composition and Communication Requirement hours (GCCR)** ........................ 3

**College Requirements**

I. Foreign Language .................................................. 12

II. Disciplinary Requirements
   a. Natural Science ............................................. 6
   b. Social Science ............................................. 6
   c. Humanities .................................................. 3

III. Laboratory or Field Work .......................... 3

IV. Electives
   Choose one course from approved list ........................ 3

**Electives**

Free Electives .................................................. 6

**Total Minimum Hours** .......................... 120

**Bachelor of Science with a major in WRITING, RHETORIC, AND DIGITAL STUDIES**

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 131.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................ 3

2. Intellectual Inquiry in the Humanities
   Choose one course from approved list ........................ 3

3. Intellectual Inquiry in the Social Sciences
   Choose one course from approved list ........................ 3

4. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
   Choose one course from approved list ........................ 3

5. Composition and Communication I
   Choose one course from approved list ........................ 3

6. Composition and Communication II
   Choose one course from approved list ........................ 3

7. Quantitative Foundations
   Choose one course from approved list ........................ 3

8. Statistical Inferential Reasoning
   Choose one course from approved list ........................ 3

9. Community, Culture and Citizenship in the USA
   Choose one course from approved list ........................ 3

10. Global Dynamics
    Choose one course from approved list ........................ 3

11. UK Core hours: ................................................. 30

**Graduation Composition and Communication Requirement (GCCR)**

WRD 430 Advanced Workshop (Subtitle required) ........................ 3

**Graduation Composition and Communication Requirement hours (GCCR)** ........................ 3

**College Requirements**

I. Foreign Language .................................................. 12

II. Disciplinary Requirements
   a. Natural Science ............................................. 6
   b. Social Science ............................................. 6
   c. Humanities .................................................. 3

III. Laboratory or Field Work .......................... 3

IV. Electives
   Choose one course from approved list ........................ 3

**College Requirement hours:**
### Minor Requirements

**Core Courses**
- WRD 300 Introduction to Writing, Rhetoric, and Digital Studies ........................................ 3
- WRD 430 Advanced Workshop (Subtitle required) ......................................................... 3

**Core Courses hours:** ...................................................... 6

---

### Other Course Work Required for the Major From the Major Department

Three hours of WRD courses at the 200-level or above ......................................................... 3

Twelve hours of WRD courses at the 300-level (excluding WRD 300) ........................................ 12

Twelve hours of WRD courses at the 400-500 level (excluding WRD 430) ................................. 12

---

From Outside the Major Department

Choose 6 hours from the following courses:
- A-H 360 Visual Culture of Politics .................................................................................... 3
- A-S 200 Introduction to Digital Art, Space and Time ....................................................... 3
- A-S 245 Introduction to Web Design .................................................................................. 3
- A-S 280 Introduction to Photographic Literacy .................................................................. 3
- COM 249 Mass Media and Mass Culture ......................................................................... 3
- COM 281 Communication in Small Groups ....................................................................... 3
- COM 287 Persuasive Speaking ........................................................................................... 3
- COM 311 Learning Intercultural Communication Through Media and Film ..................... 3
- COM 313 Interpersonal Communication in Close Relationships ...................................... 3
- COM 315 Understanding Workplace Communication in a Diverse U.S. Society ............... 3
- ENG 284 History of Film I .................................................................................................. 3
- ENG 285 History of Film II .................................................................................................. 3
- ENG 407 Intermediate Workshop in Creative Writing (Subtitle required) ......................... 3
- ENG 440G Studies in British Literature (Subtitle required) .................................................. 3
- ENG 450G Studies in American Literature (Subtitle required) ......................................... 3
- ENG 460G Studies in African-American Literature (Subtitle required) .............................. 3
- ENG 470G Comparative and Transnational Studies in Literature (Subtitle required) ............ 3
- ENG 480G Studies in Film (Subtitle required) ..................................................................... 3
- ENG 490G Studies in Literature and Gender (Subtitle required) ....................................... 3
- ENG 491G Studies in Theory (Subtitle required) ................................................................. 3
- ENG 492G Cultural Studies (Subtitle required) .................................................................. 3
- ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) ...................... 3
- GWS 250 Social Movements .............................................................................................. 3
- GWS 301 Crossroads (Subtitle required) ............................................................................ 3
- GWS 302 Gender Across the World (Subtitle required) ..................................................... 3
- GWS 340 History of Feminist Thought to 1975 .................................................................. 3
- LIN 211 Introduction to the Study of Language .................................................................. 3
- LIN 212 Introduction to Linguistics II ................................................................................. 3
- LIN 317 Language and Society (Subtitle required) .............................................................. 3

or courses approved by the DUS .............................................................................................. 3

**Total Major hours:** ...................................................... 39

---

### Electives

Free Electives .................................................................................................................................. 6

**Elective hours:** ........................................................................................................................... 6

**Total Minimum Hours Required for Degree** ................................................................. 120

---

### Minor in Writing, Rhetoric, and Digital Studies

The minor in Writing, Rhetoric, and Digital Studies requires 18 hours of course work to include:

**Prerequisite**
- Complete the Composition and Communication Core requirement: either WRD/CIS 110 and WRD/CIS 111; or WRD/CIS 112.

**Minor Requirements**
- WRD 300 Introduction to Writing, Rhetoric, and Digital Studies ........................................... 3
- plus 15 hours of additional WRD courses, 9 of which must be at the 300 and 400 level .................. 15

---

### Minor in Professional and Technical Writing

The minor in Professional and Technical Writing requires 18 hours of course work to include:

**Minor Prerequisites**
- Students must fulfill the Composition and Communication Core requirement:
- WRD/CIS 110 Composition and Communication I ............................................................... 3
- WRD/CIS 111 Composition and Communication II .............................................................. 3
- WRD/CIS 112 Accelerated Composition and Communication II (WRD) ............................. 3

**Minor Requirements**
- WRD 204 Technical Writing .................................................................................................. 3
- WRD 300 Introduction to Writing, Rhetoric, and Digital Studies ........................................... 3
- WRD 306 Introduction to Professions in Writing ..................................................................... 3
- WRD 406 Topics in Professional Writing (Subtitle required) .................................................. 3

**Minor Electives**
- Choose 6 hours from the following:
  - WRD 203 Business Writing ............................................................................................... 3
  - WRD 208 Multimedia Writing ........................................................................................... 3
  - WRD 301 Style for Writers .................................................................................................. 3
  - WRD 304 Writing in the Social Sciences ......................................................................... 3
  - WRD 305 Writing Public Science ....................................................................................... 3
  - WRD 310 Writing in the Natural Sciences .......................................................................... 3
  - WRD 322 Rhetoric and Argument ...................................................................................... 3
  - WRD 405 Editing English Prose ......................................................................................... 3
  - WRD 408 Digital Composing ............................................................................................ 3

---

### INTERDISCIPLINARY MINORS

#### African American Studies

The minor in African American Studies provides students with an opportunity to examine the contributions of established academic disciplines towards the understanding of African peoples, particularly those peoples in the New World. It also provides a framework for research and analysis of issues which focus on African American experiences in artistic, literary, historical, and sociopolitical environments. The minor requires 21 hours of study as follows:

1. AAS 200 Introduction to African-American Studies
2. AAS 400 Special Topics in African-American Studies
3. AAS 401 Independent Reading and Research in African-American Studies
4. a. At least 6 hours of course work in the humanities (as approved by the African American Studies Committee).
   b. AAS/ENG 264 Introduction to Black Writers
   c. AAS/FR 263 African and Caribbean Literature and Culture of French Expression (Subtitle required)
   d. FR 504 Topics in French Literature and Culture (if appropriate)
   e. AAS/HIS 254 History of Colonial and Post-Colonial Africa
   f. AAS/HIS 260 African American History to 1865
   g. AAS/HIS 261 African American History 1865-Present
   h. AAS/HIS 300 Race and Sports in America
   i. HIS 585 The Age of Jim Crow, 1880-1930
   j. AAS/MUS 300 History of Jazz
4. At least 6 hours in the social sciences (as approved by the African American Studies Committee). Among these are:
   - AAS/ANT 326 Contemporary African Lives
   - AAS/EDC 550 Education in a Culturally Diverse Society
   - AAS/Geo 336 Geography of Sub-Saharan Africa
   - PS 417G Survey of Sub-Saharan Politics
   - PS 461G Civil Liberties
   - AAS/PS 471 Race, Ethnicity and Politics
   - AAS/SOC 235 Inequalities in Society
   - AAS/SOC 432 Race and Ethnic Relations
   - AAS/SOC 433 Topics in Social Inequalities (Subtitle required)

**NOTE:** Courses in English and history are strongly recommended.

For further information, email aaas@uky.edu; 112 Breckinridge Hall 0056, (859) 257-2284. [https://aaas.as.uky.edu/](https://aaas.as.uky.edu/)
American Studies

American studies draws together diverse disciplines to examine the historical and contemporary forms and issues of our national life. The program in American Studies takes as its field of study any peoples, cultural expressions and social institutions, however or whenever identified as “American.” Program curricula link faculty, courses, and students across a range of humanities, arts, and social science departments.

The minor centers on two interdisciplinary seminars on selected topics in American studies. Students electing the minor are also encouraged to take a range of elective courses to complement their major. The minor in American Studies prepares students for further graduate or professional training, or for work in education, government, or business.

The minor requires 18 hours of study as follows:

1. IAS 301 Topics in American Culture
2. IAS 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or 6 hours) may be taken in any one discipline:

   - Art History: A-H 342
   - Anthropology: ANT 221, ANT 342, ANT 470G, ANT 527, ANT 534
   - English: ENG 310, ENG 480G
   - Geography: GEO 320, GEO 321, GEO 322, GEO 490G
   - History: HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 584, HIS 585, HIS 586
   - Linguistics: LIN 317
   - Music: MUS 206, MUS 222, MUS 300, MUS 301, MUS 506
   - Philosophy: PHI 514
   - Sociology: SOC 340, SOC 534

For further information, contact: Director Pearl Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwell Court, 0347, (859) 257-6882. [http://appalachiancenter.as.uky.edu/appalcourses](http://appalachiancenter.as.uky.edu/appalcourses)

Cognitive Science

The undergraduate minor in Cognitive Science is aimed to provide undergraduates with an introduction to cognitive science as a theory of the mind as an intelligent (information-processing) system. Our objectives are to ensure that each student (a) be able to articulate, at least in broad terms, some of the assumptions that have been thought to unify the various subfields within the domain of cognitive science; (b) explore more than one discipline’s approach to matters pertaining to cognitive science; and (c) explore in some detail at least one of the five main disciplines contributing to cognitive science (biology, computer science, linguistics, philosophy, and psychology). CGS 500 (Cognitive Science in Theory and Practice) will be run with the aim in mind of getting students to satisfy (a); and distribution requirements aim to put students in a position to satisfy (b) and (c).

To receive an undergraduate minor in Cognitive Science, the student must successfully complete 18 credit hours to be distributed as follows:

1. CGS 500 Cognitive Science in Theory and Practice ........................................... 3
2. 15 credits from among the following:
   - *ANT 332 Human Evolution
   - BIO 375 Behavioral Ecology and Sociobiology
   - BIO 533 Comparative Neurobiology and Behavior
   - BIO 550 Advanced 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 the Study of Language
   - LIN 212 Introduction to Linguistics II
   - LIN 509 Formal Semantics
   - 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 (Subtitle required)
   - 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 Evolutionary Psychology
   - 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 15 credit hours of courses from this list, (1) at least 6 credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than 6 credit hours from any single discipline will count towards satisfaction of the requirement.

*Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.

For more information, contact: Director Lawrence Gottlob, gottlob@uky.edu; 207N Castle Hall 0044, (859) 257-2280. [http://idp.as.uky.edu/cognitive-science](http://idp.as.uky.edu/cognitive-science)

Environmental and Sustainability 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 and Sustainability 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 and Sustainability Studies requires 21 hours of course work including the following:


**Environment**


**Society**


Alternative elective courses may be approved by the Environmental and Sustainability Studies Program Director.

For further information, contact: Director Betsy Beymoon-Farris, bbeamfor-farris@uky.edu, 849 Patterson Office Tower 0027, (859) 257-5194. https://ens.as.uky.edu

---

**Indian Culture**

This minor is designed to allow students to develop a more profound understanding of Indian culture. The curriculum is strongly interdisciplinary, encompassing courses in linguistics, anthropology, English, geography, mathematics, philosophy, political science, and sociology.

Students completing the minor will possess: (1) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (2) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

The minor in Indian Culture requires 18 hours of course work, as follows:

12 hours of courses on India from anthropology, English, geography, linguistics, mathematics, philosophy, political science, sociology, and independent studies in India. Students choose from the following courses:

- ANT 327 Culture and Societies of India
- GEO 330 Geography of the Indian Subcontinent
- GEO 365 Special Topics in Regional Geography
- PHI 343 Asian Philosophy
- GEO 565 Topics in Geography
- *GWS 302 Gender Across the World
- LIN 395 Independent Work
- MA 330 History of Mathematics
- MUS 330 Music in the World
- PHI 343 Asian Philosophy
- PS 420G Governments and Politics of South Asia
- SOC 380 Globalization: A Cross-Cultural Perspective

The subtitle for this course must directly relate to the field of Indian culture.

Students in the Indian Culture minor program will be encouraged to participate in a study program in India in the course of their undergraduate education.

For more information, contact: Professor Srimati Basu, 214 Breckinridge Hall, (859) 257-4372; srimati.basu@uky.edu or Professor Mark P. Whitaker, 214 Lafferty Hall, (859) 257-2611; mark.whitaker@uky.edu

---

**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 melas.uky.edu/jewish-studies

The minor in Jewish Studies requires 18 hours of course work as follows:

1. **Required Courses**
   - HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages
   - HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present

2. **Elective Courses**
   - HJS 101 Elementary Hebrew
   - HJS 102 Elementary Hebrew
   - HJS 201 Intermediate Hebrew
   - HJS 326 The Jewish Experience in America
   - HJS 327 Women in Judaism
   - HJS 495 Independent Study in Judaic Studies
   - PHI 504 Islamic and Jewish Philosophy
   - CLA 390 Backgrounds to and Early History of Christianity to 150 CE
   - HJS 330 A History of Western Religious Thought
   - HJS 323 The Holocaust
   - HJS 425 Topics in Judaic Studies

And other courses with significant Judaic studies content, as approved by the Director, to a maximum of 6 credit hours.

For further information, contact: Director Janice Fernheimer, jfernheimer@uky.edu; 1457 Patterson Office Tower 0027, (859) 257-1994. http://melas.uky.edu/jewish-studies

---

**Latin American, Caribbean, and Latino Studies**

The minor in Latin American, Caribbean, and Latino Studies provides instruction and broad exposure to the society and culture of Latin America. The minor requires a minimum of 18 credit hours to be distributed as follows:

**Preminor Requirement**

1. LAS 201 Introduction to Latin America

**Minor Requirements**

Complete 3 credit hours of language instruction in Spanish, Portuguese, or French (above the 200 level) or an indigenous language spoken in Latin America; and complete 12 credit hours of approved courses across at least three of the following disciplines: anthropology, Hispanic studies, history, Latin American studies, linguistics, geography, political science, sociology, and writing, rhetoric and digital studies. All courses need to have at least 75 percent Latin American, Caribbean or Latino content. Other courses, including independent studies and education abroad courses, may be counted with the approval from the LACLAS Director.

List of approved courses usually taught by affiliate faculty:

- ANT 320 Andean Civilization
- ANT 322 Ancient Mexican Civilizations
- ANT 324 Contemporary Latin American Cultures
- ANG 328 The Ancient Maya
- GEO 324 Geography of Central and South America
- HIS 206 History of Colonial Latin America
- HIS 207 History of Modern Latin America
- HIS 208 History of the Atlantic World
- HIS 562 Modern Mexico
- HIS 563 The History of Women in Latin America
- HIS 564 History of Brazil
- LAS 395 Independent Work in Latin American Studies
- PS 428G Latin American Government and Politics
- PS 538 Conflict and Cooperation in Latin American Relations
- *SOC 350 Topics in Sociology
- SOC 432 Race and Ethnic Relations
- SPA 314 Civilization of Spanish America
- SPA 322 Literature, Life and Thought of Spanish America
- SPA 332 Spanish and Latin American Business Environments
- SPA 438G Literature of Social Protest in Spanish America
- *SPA 474 Topics in Hispanic Studies

*Subtitle required*
For more information, consult the Director of Latin American Studies.

http://lacs.as.uky.edu/

UNDERGRADUATE CERTIFICATES

The University of Kentucky grants the following undergraduate certificates in the College of Arts and Sciences:

- Appalachian Studies
- Peace Studies

Undergraduate Certificate in Appalachian Studies

Students in any college may earn the Undergraduate Certificate in Appalachian Studies. The certificate is interdisciplinary (requiring course work in at least two colleges) and combines critical analysis with experiential education in the Appalachian region. The course work and practicum are tailored for each student in consultation with the program director to make the interdisciplinary certificate relevant to the student’s major, interests, and career plans.

A student planning a health science career might choose a practicum with the UK Center for Excellence in Rural Health in Hazard, Ky., for example, and a student interested in sustainable agriculture or elementary education might do a practicum with Green Forests Work, a reforestation and public education program in central Appalachia. The Appalachian Studies faculty spans ten colleges at UK and there are diverse courses available each semester to students enrolled in the certificate program.

The 12-hour certificate program focuses on understanding the Appalachian region, particularly Appalachian Kentucky, in historical, social/cultural, physical, and comparative context. All students must: 1) complete APP 200, Introduction to Appalachian Studies (which also satisfies the UK Core requirement in U.S. citizenship); 2) to satisfy an Appalachian engagement requirement (either through APP 399, the Appalachian Studies practicum course, or a relevant internship, service-learning course, or practicum in another program); and 3) to complete a capstone project either through APP 399, the Appalachian Studies Practicum, or a course approved as the capstone experience by the Appalachian Studies Program Director.

Remaining courses may be chosen from the Appalachia-related course listings publicized on the Appalachian Studies Web site each term, or a student may propose additional courses with a rationale accepted by the Appalachian Studies Program Director. Course work for the undergraduate certificate must be taken from within at least two colleges at UK. This requirement is a significant offering of this certificate program,
given the Appalachian Center and Appalachian Studies Program’s service to the entire university community. The purpose of the requirement is to encourage students to explore curricular possibilities outside the college in which their major is administratively housed, in a program of study truly committed to interdisciplinary perspectives.

Appalachian Studies Curriculum

The Certificate in Appalachian Studies curricula are as follows:

- A minimum of 12 credits of course work taken for a letter grade.
- At least 12 credits must be 200 level or above, and a minimum of 6 credits must be at the 300-level or above.
- The student must complete a 3-credit breadth component. The breadth component requires that a student take courses in at least two colleges, with a minimum of three credits to be completed in a discipline other than the student’s major.
- Student must earn a C or better in each required certificate course to receive the certificate.

Certificates will only be awarded to students who successfully complete a degree, or have completed a four-year degree.

No more than 9 credits taken for a certificate can be used to satisfy the requirements for the student’s bachelor’s degree, a minor, or another certificate, exclusive of free or unrestricted electives.

Examples of Programs of Study

Here are three examples of programs of study for students successfully completing the Appalachian Studies undergraduate certificate:

APP 200 Introduction to Appalachian Studies ……… 3
APP 399 Practicum ……………………………… 1-6
JOU 485 Community Journalism 3
CLD 340 Community Interaction 3

This student could satisfy the engagement requirement through APP 399 at UK’s Robinson Center for Appalachian Resource Sustainability in Breathitt County on youth agricultural entrepreneurship, and satisfy the capstone requirement through a paper for Community Interaction on participatory evaluation of a proposed economic development project in Appalachia.

APP 200 Introduction to Appalachian Studies ……… 3
MUS 301 Appalachian Music …………………….. 3
*ENG 450G Studies in American Literature (Subtitle required) ………………………………. 3
APP 399 Practicum ……………………………… 1-6

*ENG 450G subtitle must focus on some aspect of Appalachian literature.

This student could satisfy the engagement requirement and the capstone experience together by creating and implementing a program on the multiracial history of the banjo for students at a 4-H camp in the Appalachian region.

APP 200 Introduction to Appalachian Studies ……… 3
EES 385 Hydrology and Water Resources ………….. 3
FOR 460 Forest Hydrology and Watershed Management ……………………………….. 3
APP 399 Practicum ……………………………… 1-6

This student could satisfy the engagement requirement by serving as an Appalachian Center intern for the KY Riverkeeper, helping to create a waterways trail, and satisfy the capstone experience requirement through drafting a management plan for a forest in the Appalachian region.

For more information, contact: Appalachian Studies Director Shaunna Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwelton Court, 0347; (859) 257-6882.

https://appalachiancenter.as.uky.edu

Undergraduate Certificate in International Film Studies

The certificate in International Film Studies is a highly interdisciplinary program that allows students to bring the knowledge they have gathered in their home departments to bear on their work in film studies. The certificate in International Film Studies emphasizes, in a comparative global context, how the language and history of film intersects with closely related movements in other artistic media, in philosophy and history, and in different cultural traditions.

The certificate in International Film Studies has three goals: 1) to introduce students to the history and theoretical vocabulary of cinema; 2) to provide a comparative approach through which students may reflect upon the nature and problematic concept of national film styles and their relation to each other in an increasingly “globalized” world; 3) to foster expertise in film analysis and its expression.

Upon completion of the Undergraduate Certificate in International Film Studies, students will be able to:

1. analyze the formal and technical aspects of film language and style;
2. recognize and define the primary aesthetic movements of world cinema, and situate them in social and historical context;
3. develop a critical language appropriate to the analysis of film;
4. communicate their analyses effectively in written and spoken form.

Admission Requirements

Students will be required to have accumulated at least 30 hours of course credit and have a cumulative GPA of at least 3.0.
The Undergraduate Certificate in International Film Studies is organized around three conceptual and methodological elements:

I. Introduction to Film Studies

Each student is required to take one film class designated as an introduction to Film Studies (see “Curriculum” list, below). This course will not only introduce students to the history of film, but to the technical vocabulary of film study, from basic principles of mise-en-scène, cinematography, editing, and sound to more theoretical questions of narrative, authorship, and formal design, as well as broader considerations concerning the nature of the image and visual language.

This component of the UG in International Film Studies also introduces students to the appropriate techniques of film analysis and strategies of analytical expression.

II. Comparative International Film

Students will be required to take Film Studies courses from several national film traditions (see below) and to explore cinema as an international art form. Students will examine the earliest days of filmmaking in the late nineteenth century when the language of film was basically uniform, the national film styles that began to emerge during and after World War I, as well as the new internationalization of film today that more explicitly puts, for example, Chinese and American film languages in dialogue with each other.

III. Certificate Capstone Project

In the final Film Studies course that a student takes and plans to count as part of the International Film Studies Certificate, the student will complete a research paper under the guidance of the faculty member teaching the course (see “Certificate Capstone Project” in Curriculum, 3. Capstone Course, below).

Program

The Undergraduate Certificate in International Film Studies requires sixteen (16) hours of course work in Film Studies.

- 3 hours may be, but are not required to be, at the 100 level
- 6 hours must be at the 300 level or above

Introduction to Film Studies

Choose one of the following for 3 hours:

- ENG 280 Introduction to Film ............................................... 3
- FR 103 French Cinema ......................................................... 3
- GER 305 German Film Today .................................................. 3
- JPN 283 Japanese Film ......................................................... 3

Comparative International Film

Choose three of the following for 9 hours. The three courses must come from three separate national film traditions:

- CHI 321 Introduction to Contemporary Chinese Film .................. 3
- CLA 100 Ancient Stories in Modern Films .................................. 3
- ENG 180 Great Movies (Subtitle required) .................................. 3
- ENG 280 Introduction to Film .................................................. 3
- ENG 284 History of Film I ...................................................... 3
- ENG 285 History of Film II ...................................................... 3
- ENG 380 Film and Genre (Subtitle required) ................................ 3
- ENG 384 Literature and Film .................................................... 3
- ENG 480G Studies in Film (Subtitle required) ............................... 3
- FR 103 French Cinema ......................................................... 3
- FR 225 French Film Noir ....................................................... 3
- *FR 325 French Cinema (Subtitle required) ................................ 3
- FR 335 War, Literature, Film .................................................... 3
- GER 305 German Film Today ................................................... 3
- GER 361 German Cinema ....................................................... 3
- JPN 283 Japanese Film .......................................................... 3
- PHI 393 Philosophy of Film ..................................................... 3
- RUS 275 Russian Film ........................................................... 3
- RUS 535 Russian Visual Studies (Subtitle required) ...................... 3
- SPA 371 Latin American Cinema (Subtitle required) .................... 3
- SPA 372 Spanish Cinema (Subtitle required) ................................ 3
- SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required) ............... 3
- SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required) ................................................. 3
- WRD 311 History of Documentary ............................................ 3
- WRD 312 Introduction to Documentary ...................................... 3
- WRD 412 Intermediate Documentary Production ........................ 3

Certificate Capstone Project

Choose one Capstone course for 3 hours:

- CHI 321 Introduction to Contemporary Chinese Film .................. 3
- ENG 380 Film and Genre (Subtitle required) ................................ 3
- ENG 384 Literature and Film .................................................... 3
- ENG 480G Studies in Film (Subtitle required) ............................... 3
- *FR 325 French Cinema (Subtitle required) ................................ 3
- FR 335 War, Literature, Film .................................................... 3
- GER 305 German Cinema ....................................................... 3
- GER 361 German Cinema ....................................................... 3
- JPN 283 Japanese Film .......................................................... 3
- PHI 393 Philosophy of Film ..................................................... 3
- RUS 275 Russian Film ........................................................... 3
- RUS 535 Russian Visual Studies (Subtitle required) ...................... 3
- SPA 371 Latin American Cinema (Subtitle required) .................... 3
- SPA 372 Spanish Cinema (Subtitle required) ................................ 3
- SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required) ............... 3
- SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required) ................................................. 3
- WRD 311 History of Documentary ............................................ 3
- WRD 312 Introduction to Documentary ...................................... 3
- WRD 412 Intermediate Documentary Production ........................ 3

Total hours required ......................................................... 16

Undergraduate Certificate in Peace Studies

The purpose of the Peace Studies program is to develop students with increased interests and understanding of issues of peace and justice from individual to global levels; to provide them with basic skills in peaceful communication, nonviolent and transformative conflict resolution; and to help them develop peaceful and cooperative cultures. The Peace Studies program will empower students to understand and reduce conflict at multiple levels, and will provide them with conflict resolution skills that are increasingly valued by employers, graduate programs, and are much needed in our communities.

A Peace Studies certificate offers a valuable credential and an appealing focus for students in many disciplines. While UK offers a plethora of courses relevant to Peace Studies, this is the single program that brings these elements into a coherent peacemaking focus. Because Peace Studies is inherently interdisciplinary, it can create an important context that may be missed when courses are completed within the framework of a single discipline. Students in Peace Studies will be better prepared to take advantage of co-curricular opportunities at UK. Many avenues also exist for fruitful synergy between the Peace Studies program and a student’s major and minor fields.

Program Requirements

The Peace Studies certificate is designed to be easily combined with a broad array of majors and minors across UK’s colleges and departments, and will increase a student’s credit hours needed for graduation only under rare circumstances. The Peace Studies program requires 12 credit hours. Six of the 12 required hours come from Peace Studies courses. These include the ‘portal’ course, PCE 201, which introduces students to Peace Studies, and the capstone course, PCE 410, which concludes the program.

Peace Studies Courses

- *PCE 201 Introduction to Peace Studies .................................. 3
- **PCE 410 Peace Studies Capstone Seminar ......................... 3
- *Meets UK Core requirement for Inquiry in the Social Sciences
- **Meets UK Core requirement for Citizenship-Social Dynamics

Peace Studies Electives

Peace Studies electives are selected from existing courses in the University catalog and reflect both different departments and colleges. They are grouped into four Focus Areas:

Focus Area I: Peacebuilding ................................................. 0-6
- Addresses systems and infrastructure needed to create more peaceful societies.

Focus Area II: Peacemaking .................................................. 0-6
- Addresses leadership skills, skills for resolving and transforming conflict.

Focus Area III: Promoting Understanding, Cooperation, and Development ............................................. 0-6
- Addresses cross cultural issues, international organizations, economic and social development.

Focus Area IV: Addressing Global and Regional Pressures .......................................................... 0-6
- Addresses problems of population, scarcity, trade, sustainability, ecosystems, climate, and immigration.

Undergraduate Certificate in Sexuality Studies

This Certificate in Sexuality Studies allows students to explore human sexuality in a profoundly interdisciplinary way. It encompasses scientific and medical fields as well as humanities and social sciences, and encourages the study of sexuality transhistorically and crossculturally. The goal of offering the certificate is three-fold. 1) To train students for fields in which knowledge of diverse perspectives on sexuality is important— including health-related fields, human resources-
related fields, and international scholarship or business. 2) To provide students with an opportunity for transformative exploration of the relationship between sexuality and society. 3) To provide leadership in promoting sexuality education with an intersectional and interdisciplinary approach on the college level that profoundly enhances abstinence-only education offered in public high schools.

At least 8 credit hours must be at the 200 level or above, and a minimum of 6 credit hours must be at the 300 level or above.

**Core Courses (8 credits)**

GWS 200 Sex and Power .................................................. 3  
KHP 220 Sexuality Education ............................................ 2  

Choose one from either:  
GWS 410 Introduction to Queer Theory ......................... 3  
GWS 506 History of Sexuality in the U.S. ...................... 3

**Elective courses (6 credits)**

Courses on the core list above that are not used to satisfy core requirements may be used to satisfy the elective requirements.

Choose one from the following:

ANT 251 Global Health: Culture, Pathologies, and Social Inequalities ................. 3  
FAM 253 Human Sexuality: Development, Behavior and Attitudes ..................... 3  
*PSY 563 Advanced Topics in Developmental Psychology: (Subtitle required) ....... 3  
PGY 401G Human Reproduction, Technology, and Society .......................... 3  
CPI 203 Sexual Health ...................................................... 3

Choose one from the following:

GWS 250 Social Movements ............................................. 3  
GWS 302 Gender Across the World (Subtitle required) .................................... 3  
GWS 300 Topics in Gender and Women’s Studies (Subtitle required) .............. 3  
GWS 301 Crossroads (Subtitle required) .................................. 3  
GWS 309 Health, History, and Human Diversity ........................................ 3  
GWS 430 Gender, Power, Violence ....................................... 3  
either: GWS 410 Introduction to Queer Theory .................................. 3  
    or GWS 506 History of Sexuality in the U.S. ........................... 3

*Subtitle must be related to the field of study.

---

**Undergraduate Certificate in Social Sciences Research**

The Undergraduate Certificate in Social Sciences Research will enhance the educational goals of any University of Kentucky student interested in obtaining research experience in the Social Sciences. The certificate is designed to ensure that students receiving it have mastered basic social science research skills, and have demonstrated their ability to apply those skills in independent undergraduate research. The purpose of this initiative is to encourage and recognize those students who have an interest in developing their scholarly and research pursuits in the Social Sciences, and have an interest in pursuing their scholarship in an advanced degree program or in their chosen career. The certificate provides students with the opportunity to learn a range of basic social science skills and focus their efforts in primary research activities.

**Admissions Criteria**

- A minimum second semester freshman;
- 3.0 overall GPA and in good academic standing;
- An application submitted through the Central Advising Office in the College of Arts and Sciences.

**Program**

The Undergraduate Certificate in Social Sciences Research requires a minimum of 12 credit hours. All courses for the certificate must be completed with a combined average GPA of 3.2 or better. If a class is only offered as a pass/fail, then a student may include a ‘pass’ grade in that class. However, 12 credit hours for the certificate must be completed in graded course work. All credit hours must be at 200+ level; 6 of these credits must be at 300+ level. At least one course (3 credit hours) must be from a department other than the student’s major; no more than 9 credits may also satisfy requirements for the student’s major. The certificate requires that a minimum of 3 credit hours be an independent research project, and that students make a presentation of their research in a public forum (this must be included in the learning contract for the independent research project). Students must successfully complete a Bachelor’s degree to earn the certificate.

1. One research design/methods course, chosen from the following:
   - ANT 302 Ethnographic Methods:
     - Doing Anthropology .............................................. 3  
   - ANT 541 Archaeological Method and Theory ............................. 3  
   - ANT 525 Applied Anthropology ..................................... 3  
   - ANT 543 Cultural Resource Management .............................. 3  
   - ANT 585 Field Laboratory in Archeological Research ................. 3-6  
   - GEO 311 Qualitative Methods in Geography .......................... 3  
   - GEO 406 Field Studies in Geography (Subtitle required) ............. 3  
   - GWS 400 Doing Feminist Research .................................. 3  
   - LIN/SOC 508 Discourse Analysis .................................... 3  
   - PS 372 Introduction to Political Analysis ............................ 3  
   - PSY 216 Applications of Statistics in Psychology ................. 3  
   - SOC 302 Sociological Research Methods ................................ 3  
   - EDP/EPE/KHP 520 Program Evaluation ................................ 3  
   - COM 365 Introduction to Communication Research Methods .......... 3  
   - COM 553 Critical Analysis of Communication and Persuasion in Popular Culture .................. 3

2. One quantitative/technical methods course chosen from the following:
   - GEO 309 Introduction to GIS ......................................... 3  
   - GEO 510 Quantitative Techniques in Geography ...................... 3  
   - GEO 409 Advanced GIS ............................................. 3  
   - SOC 303 Quantitative Sociological Analysis ........................... 3  
   - STA 296 Statistical Methods and Motivations ......................... 3  
   - PSY 216 Applications of Statistics in Psychology .................. 4  
   - ECO 391 Economic and Business Statistics ......................... 3  
   - AEC 490 Quantitative Methods and Price Analysis .................... 3  
   - EDP/EPE/EDC 522 Psychological and Educational Tests and Measurements .............................. 3

---

**University of Kentucky**

2017-2018 Undergraduate Bulletin