

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

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

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

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

## Undergraduate Programs in Arts and Sciences

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

- Bachelor of Arts
- Bachelor of Science

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

For more information on degree programs, visit: [www.as.uky.edu/](http://www.as.uky.edu/).

## ADMISSION

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

## PROGRAMS AND SERVICES

### Academic Advising

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

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

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

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

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

### Dean's List

A student who completes at least **12 credits** of "letter" grades with a **3.60** or higher grade-point average with no **I** grades listed for the fall or spring semester will be named to the Dean's List in the College of Arts and Sciences. CLEP, AP, special exam and Independent Study credits

are **excluded**. The student's cumulative grade-point average is not considered; only the grade-point average for that particular semester is relevant. Exceptional circumstances including fewer than 12 credits will be considered for inclusion on the Dean's List; students should submit a petition to the A&S Advising Center, 311 Patterson Office Tower.

### Commencement and Departmental Honors

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

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

### Scholarships

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

### College Policy on Learning Disabilities

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

## Guide to A&S Departmental Honors Requirements

<b>Major</b>	<b>Cumulative GPA</b>	<b>Criteria</b>
<b>Anthropology</b>	3.5	The Honors Program in Anthropology is a research-intensive experience in which students work closely with a faculty mentor. Requirements are: (1) Departmental GPA of 3.5 or better. (2) One upper-division course (300+) in each of the three subdisciplines represented in the department (archaeology, biological anthropology and cultural anthropology). (3) One 600 or 700 level graduate seminar (requires approval of course instructor). (4) Research component designed by the student and faculty mentor.
<b>Biology</b>	3.5	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.
<b>Chemistry</b>	3.5	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.
<b>Chinese Language and Literature</b>	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
<b>Classics</b>	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
<b>Earth and Environmental Sciences</b>	3.5	3.3 cumulative GPA and senior thesis or 3.5 cumulative GPA or above.
<b>Economics</b>	3.2	3.2 cumulative GPA and a major GPA of 3.2 or above.
<b>English</b>	3.75	1) 3.75 major GPA or above in courses taken at UK which count toward the English major. (2) At least 8 such courses taken at UK (i.e., not transferred). (3) Successful completion of at least one designated ENG honors seminar with a grade of <b>B</b> or higher.
<b>French</b>	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
<b>Geography</b>	3.5	3.5 cumulative GPA and major GPA of 3.5 or above.
<b>German</b>	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
<b>Hispanic Studies</b>	3.5	3.5 cumulative GPA or above in 300-500 level Spanish courses.
<b>History</b>	3.5	minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of <b>A</b> or <b>B</b> in HIS 499.
<b>International Studies</b>	3.5	3.5 cumulative GPA and major GPA of 3.5 or above.
<b>Japanese Language and Literature</b>	3.5	3.5 cumulative GPA and major GPA of 3.75 or above.
<b>Linguistics</b>	3.75	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).
<b>Mathematical Economics</b>	3.2	3.2 cumulative GPA or above and 3.2 major GPA or above.
<b>Mathematics</b>	3.5	3.5 cumulative GPA or above.
<b>Philosophy</b>	3.5	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.
<b>Physics</b>	3.4	3.4 cumulative GPA or above and 3.4 major GPA or above in physics and astronomy. All students awarded department honors will have fully participated in independent study or research including the preparation of a final report; participation with a high grade in a three-credit-hour PHY 395 or participation in a summer research experience are ways of achieving this. Other factors such as citizenship, leadership in the Society of Physics Students, and other meritorious activity will be considered in the selection of seniors for graduation with honors.
<b>Political Science</b>	3.5	1) 3.5 cumulative GPA. (2) At least six hours of "H"onors credit in Political Science course work, usually taken in special sections of the introductory lecture courses. (3) At least a <b>B</b> grade in PS 372, which should be taken no later than the second semester of the junior year. And (4) A qualifying honors thesis submitted to the Director of Undergraduate Studies no later than midterm of the semester in which the student intends to graduate. Students normally fulfill the thesis requirement by taking PS 490, Honors in Political Science, offered during the fall semester. Should that option be unavailable, however, students might be able to arrange writing a thesis under faculty guidance as part of PS 395, the department's Independent Study course.
<b>Psychology</b>	3.5	3.6 major GPA or above and successful completion of PSY 495 and PSY 496.
<b>Russian Studies</b>	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
<b>Sociology</b>	3.5	3.5 cumulative GPA or above.
<b>Topical</b>	3.6	3.6 cumulative GPA or above and recommendation of the Associate Dean based on the final thesis.

### Readmission After a Two-Year Absence

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

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

### ACADEMIC SUSPENSION AND REINSTATEMENT

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

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

### THE BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREE

Students must complete **four** areas of requirements to obtain a 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 sci-

ences, 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.<sup>1</sup>
2. Complete the following college requirements:
  - a. Foreign Language Requirement. Students must satisfy one of the following options (all options include American Sign Language). All A&S students are encouraged to take a foreign language placement exam at the time of their initial enrollment at UK or during their advising conference:
    - i. satisfy the third and fourth semester of a college-level sequence in one language by successfully completing each semester course, or by demonstrating equivalent competency on a departmentally approved placement exam; **or**
    - ii. successfully complete three college-level semester courses in one language and two college-level semester courses in a second language. (Two or more years of a foreign language in secondary school, as indicated on transcripts, are considered equal to two college-level semester courses); or demonstrate equivalent competency on a departmentally approved placement exam; **or**

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

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

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

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

vi. International students who graduated from a U.S. high school and are unable to provide proficiency exam results may petition the Director of Student Services for a waiver of the College foreign lan-

guage requirement; students must provide official documentation establishing that English is their second language.

- b. Students must take **six** college hours in disciplines in the natural sciences.†
  - c. Students must take **six** college hours in disciplines in the social sciences.†
  - d. Students must take **six** college hours in disciplines in the humanities.
3. Complete at least **120** credit hours in courses acceptable to the College of Arts and Sciences.<sup>2</sup>
  4. Complete at least **90** credit hours in Arts and Sciences courses.<sup>3</sup>
  5. Complete at least **39** credit hours in courses numbered at or above the 300 level.<sup>4</sup>
  6. Complete at least **39** credit hours within the major. At least 24 of these hours must be at or above the 300 level.
  7. Complete at least one course that includes some laboratory or field experience. (See the description of the *College Laboratory or Field Experience Requirement* which follows.)
  8. Attain an overall grade-point average of at least 2.0.
  9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor courses).
  10. Complete a minimum of **six** credit hours of free electives. These college electives cannot be counted towards UK Core or Arts and Sciences major requirements.
  11. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

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

### 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.<sup>1</sup>
2. Complete the following college requirements:
  - a. Foreign Language Requirement. Students must satisfy one of the following options (all options include American Sign Language). All A&S students are encouraged to take a foreign language placement exam at the time of their initial enrollment at UK or during their advising conference:
    - i. satisfy the third and fourth semester of a college-level sequence in one language by successfully completing each semester course, or by demonstrating equivalent competency on a departmentally

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

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

- iii. To demonstrate your proficiency in a language not taught at UK, contact the Office of International Affairs with regard to taking a proficiency exam. You are responsible for any costs related to testing; **or**
  - iv. If you have a specific language-learning disability that is certified through the UK Disability Resource Center, you may petition the College for a substitution of course work in lieu of completing the language courses normally taken for the foreign language requirement; **or**
  - v. International students, excluding native speakers of English, automatically fulfill this requirement; **or**
  - vi. International students who graduated from a U.S. high school and are unable to provide proficiency exam results may petition the Director of Student Services for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.
- b. Students must take **three** college hours in disciplines in the natural sciences.<sup>†</sup>
  - c. Students must take **three** college hours in disciplines in the social sciences.<sup>†</sup>
  - 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.<sup>2</sup>
  4. Complete at least **90** credit hours in Arts and Sciences courses.<sup>3</sup>
  5. Complete at least **60** credit hours in the physical, biological and/or mathematical sciences.<sup>5</sup>
  6. Complete at least **39** credit hours within the major. At least 24 of these hours must be at or above the 300 level.
  7. Complete at least one course that includes some laboratory or field experience. (See the description of the *College Laboratory or Field Experience Requirement* which follows.)
  8. Attain an overall grade-point average of at least 2.0.

9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor requirements).
10. Complete a minimum of **six** credit hours of free electives. These college electives cannot be counted towards UK Core or any other Arts and Sciences major or college requirements.
11. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

<sup>†</sup>See *College Core Requirements for B.A. and B.S. Degree* following the next section.

#### NOTES

1. See the *UK Core* section of this Bulletin for a detailed explanation of the requirements.
2.
  - a. 001-099 courses, or courses followed by an “R” designation **cannot** be counted as credit towards a bachelor’s degree.
  - b. Physical education one-hour service courses (KHP) **are** acceptable as electives only and may count toward the total 120 minimum hours needed to graduate. Only **one** successful completion of multiple completions of the same KHP course will count.
  - c. A maximum of 16 semester credit hours earned in military science (AMS) and aerospace studies (AFS) are acceptable towards fulfilling both the College 90-hour and 120-hour requirement for the B.A. or B.S. degree. AMS/HIS 320 is not included in this 16 hour limit.
  - d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See *Experiential Education and Internship Course* section within the Arts and Sciences section of the Bulletin.
  - e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
  - f. Courses transferred from other institutions and judged by the Director of Student Services to be equivalent or comparable to Arts and Sciences courses are acceptable.
  - g. Usually the College will apply only six hours of technical course work taken at any institution.
  - h. The student is permitted to elect and count toward graduation courses in other colleges within the University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Director of Undergraduate Studies/Program Director and the Director of Student Services.
3. Courses classified as Arts and Sciences courses for purposes of the 90-hour requirement include all courses offered by the College of Arts and Sciences; all art history courses; all courses in music and theatre appreciation and ART 100 plus the history of music and theatre; ARC 820, ARC 822; TAD 370; all economics courses; all undergraduate courses in the Department of Computer Sciences (CS); all undergraduate courses in the Department of Communication (COM); and all American Sign Language courses officially transferred to the student’s UK record.
4. CHE 230, 231, 232, 233 and ARC 820 and 822 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 800-899 cannot be counted as 300-level and above for the purpose of completing the 39

hours needed for the degree, with the exception of ARC 820 and 822.

5. The following courses will count toward the required 60 credit hours in the physical, biological and/or mathematical sciences hours for the Bachelor of Science degree: all courses with a MA prefix (except MA 108R); all anatomy courses; all physiology courses; all biochemistry courses; all statistics courses; all computer science courses; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; NFS/DHN 101; PHI 120 and PHI 320; PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565; and ANT 230, 332, and 333.

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

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

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

#### Natural Sciences

1. All courses offered by Arts and Sciences departments or programs within the disciplines of the natural sciences including courses with the following departmental prefixes: **AST, BIO, CHE, GLY/EES, PHY.**
2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of natural sciences. However, if used to count as a Natural Science they cannot also be used for any Social Science requirement.
  - ANA 209
  - ANT 230, 332, 333, 353
  - CGS 500
  - ENS 200, 400
  - ENT 110, 300
  - GEO 130, 135, 230, 351, 451G, 530
  - NFS/DHN 101
  - PGY 206
  - PLS 104
  - PSY 312, 456, 565

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

#### Social Sciences

1. All courses offered by Arts and Sciences departments or programs within the disciplines of the social sciences including courses with the following departmental prefixes: **ANT, APP, ECO, GEO, GWS, IAS, PS, PSY, SOC** if content is designated as a social science; also, see #3 below.
2. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of social sciences:
  - AAS 200, 235, 326, 328, 336, 417G, 432, 471
  - ANT/ENG/LIN 515
  - ANT/ENG/LIN 516
  - ANT/LIN 519
  - ANT/JPN 321
  - CGS 500
  - ENS 200, 400
  - GEO/JPN 334
  - GEO/JPN 551

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

### Humanities

1. **Excluding the courses listed below**, all courses offered by Arts and Sciences departments or programs within the disciplines of the humanities, including courses with the following prefixes: **A-H, AAS, CLA, ENG, FR, GER, HIS, JPN, LAS, LIN, MCL, PHL, RS, RUS, SPA**, and **HON** courses designated as humanities. Note exceptions in #2 and #3 below.
2. **The following courses may NOT be used in the humanities area:**
  - AAS 200, 235, 326, 328, 336, 417G, 432, 471
  - AIS 101, 102, 201, 202, 442, 443
  - CHI 101, 102, 201, 202
  - CLA 101, 102, 131, 151, 152, 201, 202, 251, 252
  - ENG 101, 102, 104, 105, 205, 207, 306, 405, 407, 507, 509
  - FR 011, 101, 102, 106, 201, 202, 203, 204, 307, 310, 507, 516, 553, 570
  - GER 011, 101, 102, 201, 202, 205, 206, 211, 212, 307, 308, 310, 507, 553, 612
  - HJS 101, 102, 201, 202
  - ITA 101, 102, 201, 202
  - JPN 101, 102, 201, 202, 301, 302, 401, 402, JPN/GEO 334, JPN/GEO 551
  - LIN 520, 521
  - PHI 120, 320
  - PS 417G, 471
  - RUS 101, 102, 201, 202, 301, 302, 403, 404, 501, 502, 520, 530
  - SPA 011, 101, 102, 103, 151, 201, 202, 203, 205, 210, 211, 215, 302, 313, 413, 501, 506, 553
  - WRD 203, 204
3. The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of humanities:
  - AMS 201
  - ANT 515, 516, 519
  - ART 100
  - CGS 500
  - GWS 201, 506
  - MUS 203, 222, 301, 302, 303, 325

### College Laboratory or Field Experience Requirement

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

#### Natural Sciences

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

#### Social and Behavioral Sciences

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

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

## MAJOR REQUIREMENTS

A major concentration in the College of Arts and Sciences consists of at least a 39-credit-hour program, referred to as the “major requirements.”

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

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

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

Students are expected to review and understand all degree requirements listed on the University’s online degree audit system, APEX.

Students who have taken courses (200 level or above) outside the college should talk with their academic advisor to see if these courses are applicable to their major requirements.

### Topical Studies Majors

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

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

Topical Studies is the only selective admission program in the College of Arts and Sciences. The student must have a cumulative UK grade-point standing of at least 2.5 to be accepted to Topical Studies. The specific requirements of the topical studies major are that the student must meet UK

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

For more information, contact the Arts and Sciences Topical Studies advisor in the A&S Advising Center (311 Patterson Office Tower); or visit the Topical Studies major Web site at: [www.as.uky.edu/topical-studies](http://www.as.uky.edu/topical-studies).

### A Second Major

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

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

### A Second Bachelor’s Degree

A student may obtain a second bachelor’s degree by completing all university requirements for one degree; by completing all the major requirements of both degree; and by completing all college requirements of both degree. Courses taken towards fulfilling one degree may also

count towards fulfilling parallel requirements in the other, but the total credits in the two degree programs must be at least 144 hours. Major work in one department can, if there is a generic relationship, serve as the outside field in the second major and vice versa. However, the International Studies major allows a maximum of 15 hours of course work to overlap between two majors. The student must indicate his/her double degree in his/her primary college. The student may elect to receive the degree simultaneously, if college and departmental requirements can be met simultaneously. For information regarding double degree (not the same as double majors), consult the *Graduation Requirements* section of this Bulletin. Students are expected to be knowledgeable of requirements for any major in Arts and Sciences by checking the University's online degree audit system, APEX.

### Minors

The College of Arts and Sciences does not require minors. However, students can earn a minor in the following disciplines in the college:

- anthropology
- biological sciences
- chemistry
- Chinese language and literature
- classics
- economics
- English
- folklore and mythology
- French
- gender and women's studies
- geography
- geology
- German
- history
- international studies
- Islamic studies
- Japan studies
- linguistics
- mathematics
- neuroscience
- philosophy
- physics
- political science
- psychology
- Russian
- sociology
- Spanish
- statistics

Interdisciplinary minors are also available in:

- African American studies
- American studies
- Appalachian studies
- cognitive science

- environmental studies
- Indian culture
- Jewish studies
- Latin American, Caribbean, and Latino studies

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

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

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

### The Preparation of Teachers

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

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

## INFORMATION ON COURSES

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

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

### Independent Work Courses

A junior or senior may, with prior approval of his or her faculty advisor and the instructor who would direct the work, register for an independent work course in his or her major department. Normally, a cumulative GPA of 3.0 in the major is required. In exceptional circumstances a non-major or topical studies major may be permitted to enroll in a departmental independent work course. Such a course is characterized by special assignments for study, regular conferences, reports, and usually involves preparation of a paper. The instructor in each case must file with

the department evidence of the nature of the work achieved. Credit for such courses may be granted to undergraduates to an amount of not more than 12 hours.

### Experiential Education and Internship Courses

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

### ROTC Program

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

## AEROSPACE STUDIES (Air Force ROTC)

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

### Admission to the Program

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

### Requirements

An academic major in aerospace studies is not offered. However, by successfully completing the Air Force ROTC program, a qualified student may concurrently earn a commission as an active duty Air Force Second Lieutenant while completing requirements for a degree. Students may

enroll in some Aerospace Studies courses without joining the Air Force ROTC cadet corps. For more information, call (859) 257-7115.

### AFROTC Curriculum

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

In the GMC, there are four academic classes (AFS 111, AFS 113, AFS 211, and AFS 213). These cover two main themes—the development of air power and the contemporary Air Force in the context of the U.S. military organization. The GMC academic classes are open to any student.

In the POC, there are four academic classes (AFS 311, AFS 313, AFS 411, and AFS 413). These cover Air Force management and leadership and national security studies. Entry into the POC is competitive and is based on Air Force Officer Qualifying Test scores, grade-point average, and evaluation by the AFROTC Detachment Commander. Only physically qualified students in good academic standing may compete for entry into the POC. Typically, these courses are for those cadets who have already completed the courses in the GMC.

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

### Field Training

Field training is offered at Maxwell Air Force Base in Alabama. Students receive officer training and leadership development with other students. Simultaneously, the Air Force has an opportunity to evaluate each student as a potential member of its officer corps. Field training courses include cadet orientation, survival training, officer training, aircraft and aircrew orientation, physical training, organizational and functional aspects of an Air Force base, career orien-

tation, small arms familiarization, first aid, and other supplemental training. Students are paid for their time at field training.

### Scholarships

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

## ANTHROPOLOGY

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

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

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

Visit our Web site at:

<http://anthropology.as.uky.edu/>

### Bachelor of Arts with a major in ANTHROPOLOGY

#### 120 hours (minimum)

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

#### UK Core Requirements

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

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
- II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3
- III. Intellectual Inquiry in the Social Sciences**  
ANT 101 Introduction to Anthropology  
or

- ANT 102 Archaeology: Mysteries and Controversies  
or  
One course from approved list ..... 3

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

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

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

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

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

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

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

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

#### Graduation Writing Requirement

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

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

#### College Requirements

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

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

#### Premajor Requirements

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

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

#### Major Requirements

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

- Regional Focus** ..... 6  
Choose two courses from the following: ANT 221\*, 241, 242\*, 320, 322, 324, 326, 327, 342, 534, 555.

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

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

**2. Cultural Anthropology**

ANT 338, 340, 401, 429, 433, 450, 525, 526 and 532

**3. Physical Anthropology**

ANT 332, 333

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

**From Outside the Major Department**

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

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

**Major Core Requirements**

ANT 301 History of Anthropological Theory ..... 3

ANT course related to student's

Focus of Concentration ..... 3

ANT 490 Anthropological Research Methods

or

ANT 541 Archaeological Method and Theory

or

ANT 585 Field Laboratory in

Archaeological Research ..... 3

ANT 582 Senior Integrative Seminar ..... 3

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

**Electives**

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

**Total Minimum Hours**

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

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

**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 119-120.

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

ANT 101 Introduction to Anthropology

or

ANT 102 Archaeology: Mysteries and Controversies

or

One course from approved list ..... 3

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

ANT 221 Native People of North America

or

One course from approved list ..... 3

**X. Global Dynamics**

One of the following:

ANT 160 Cultural Diversity in the Modern World

ANT 222 Middle East Cultures

ANT 225 Culture, Environment and Global Issues

ANT 242 Origins of New World Civilization

ANT 311 Global Dreams and

Local Realities in a "Flat" World

ANT 321 Introduction to Japanese Culture,

Meiji (1868) to Present

ANT 329 Cultures and Societies of Eurasia and Eastern

Europe: Socialism and Post-Socialist Change

or

One course from approved list ..... 3

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

**Graduation Writing Requirement**

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

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

**College Requirements**

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

II. Disciplinary Requirements

a. Natural Science (*completed by Premajor Requirement*)

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

c. Humanities ..... 3

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

IV. Electives ..... 6

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

**Premajor Requirements**

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

\*ANT 230 Introduction to Biological Anthropology ... 3

ANT 240 Introduction to Archaeology ..... 3

**Premajor hours: ..... 9**

**Major Requirements**

**Course Work Required for the Major**

**From the Major Department:**

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

Choose two courses from the following: ANT 221\*, 241,

242\*, 320, 322, 324, 326, 327, 342, 534, 555.

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

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

**1. Archaeology**

ANT 241, 242\*, 320, 322, 342, 541, 545, 555 and 585

**2. Cultural Anthropology**

ANT 338, 340, 401, 429, 433, 450, 525, 526 and 532

**3. Physical Anthropology**

ANT 332, 333

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

**From Outside the Major Department**

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

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

**Major Core Requirements**

ANT 301 History of Anthropological Theory ..... 3

ANT course related to student's

Focus of Concentration ..... 3

ANT 490 Anthropological Research Methods

or

ANT 541 Archaeological Method and Theory

or

ANT 585 Field Laboratory in

Archaeological Research ..... 3

ANT 582 Senior Integrative Seminar ..... 3

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

**Electives**

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

**Total Minimum Hours**

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

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

**Minor in Anthropology**

Students must complete a total of 21 hours of course work:

**Premajor Courses (9 hours)**

Students must take ANT 220, 230, 240.

**Additional Courses (12 hours)\***

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

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

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

**BIOLOGY**

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



## Bachelor of Arts with a major in BIOLOGY

### 120 hours (minimum)

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

### UK Core Requirements

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

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

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

#### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

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

#### VIII. Statistical Inferential Reasoning

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**

### 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 ..... 1  
\*CHE 105 General College Chemistry I ..... 4  
\*CHE 111 Laboratory to Accompany  
General Chemistry I ..... 1  
CHE 107 General College Chemistry II ..... 3  
CHE 113 Laboratory to Accompany  
General Chemistry II ..... 2  
MA 137 Calculus I With Life Science Applications  
or  
\*MA 113 Calculus I  
or  
\*MA 123 Elementary Calculus  
and its Applications ..... 4  
Free Elective ..... 0-1

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

### Major Requirements

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

#### First Tier Core

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

#### Second Tier Core

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

Choose **two** of the following to complete 8 hours:

BIO 350 Animal Physiology  
or  
BIO 430G Plant Physiology ..... 4  
BIO 315 Introduction to Cell Biology ..... 4  
BIO 325 Ecology ..... 4

#### plus:

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

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

### Other Course Work Required for the Major

#### From Outside the Major Department

CHE 236/231 Survey of Organic Chemistry/  
Organic Chemistry Laboratory I  
or  
CHE 230/231 Organic Chemistry I/Laboratory I ..... 4

\*PHY 211 General Physics

#### or

†PHY 151 Introduction to Physics ..... 3-5  
†PHY 151 is not accepted for admission into Medical,  
Dental or Pharmacy School. Check with your advisor be-  
fore choosing a physics course.

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

### Options

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

#### Option A – Minor Option

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

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

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

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

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

#### Option B – Topical Focus Option

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

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

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

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

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

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

#### Acceptable biology electives from outside the Department.

Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology: **A&S 300, 500 (acceptable as upper-level credit only when offered by the Department of Biology)**

**ABT 460**

**ANA 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**

**CHE 226, 233, 440G, 441G, 442G, 446G, 532, 533, 550, 552, 558, 565**

**ENT 310, 320, 360, 402, 460, 561, 564, 568 (ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/ENT/PLS 360.)**

**FOR 315, 340, 375, 402**

**FSC 530**

**GLY/EES 401G**

**MI 494G, 595, 598**

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

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

**PLS 320, 330, 332, 366, 450G, 502, 566, 567**

**PPA 400G**

**PSY 456, 459**

**STA 570, 580 (Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.)**

**TOX 509**

#### Total Minimum Hours

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

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

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

**College Requirements**

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

**General Education**

**and College hours: ..... 49 (39)**

**Premajor Requirements**

BIO 148 Introductory Biology I ..... 3  
 BIO 152 Principles of Biology II ..... 3  
 BIO 155 Laboratory for Introductory Biology I ..... 1  
 \*CHE 105 General College Chemistry I ..... 4  
 \*CHE 111 Laboratory to Accompany  
 General Chemistry I ..... 1  
 CHE 107 General College Chemistry II ..... 3  
 CHE 113 Laboratory to Accompany  
 General Chemistry II ..... 2

MA 137/138 Calculus I/II With Life  
 Science Applications  
 or  
 \*MA 113/114 Calculus I/II ..... 8  
**Premajor hours: ..... 25**

**Major Requirements**

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

**Major Core**

**First Tier Core**

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

**Second Tier Core**

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

BIO 315 Introduction to Cell Biology ..... 4  
 BIO 325 Ecology ..... 4  
 BIO 350 Animal Physiology  
 or  
 BIO 430G Plant Physiology ..... 4  
 Statistics (take any UK Core Statistical  
 Reasoning course) ..... 3

BIO 425 Biology Seminar (Subtitle required)  
 or  
 BIO 499 Biology Research Seminar ..... 1  
**Core hours: ..... 24**

**Other Course Work Required for the Major**

**From Outside the Major Department**

CHE 230 Organic Chemistry I ..... 3  
 CHE 231 Organic Chemistry Laboratory I ..... 1  
 CHE 232 Organic Chemistry II ..... 3  
 \*PHY 211/213 General Physics  
 or  
 \*PHY 231/241 General University Physics/Laboratory  
**and**  
 PHY 232/242 General University Physics/  
 Laboratory ..... 10

**Biology Electives**

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

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

**Acceptable biology electives from outside the Department.** Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology:

**A&S** 300, 500 (*acceptable as upper-level credit only when offered by the Department of Biology*)  
**ABT** 460  
**ANA** 511, 512, 516 (*some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students*)  
**ANT** 332  
**ASC** 364, 378  
**BCH** 401G  
**CHE** 226, 233, 440G, 441G, 442G, 446G, 532, 533, 550, 552, 558, 565  
**ENT** 310, 320, 360, 402, 460, 561, 564, 568 (*ENT 360 is not acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into*

*Biology major after taking this course. Cross-listed as ABT/ASC/ENT/PLS 360.))*

**FOR** 315, 340, 375, 402  
**FSC** 530  
**GLY/EES** 401G  
**MI** 494G, 595, 598  
**NRE** 320, 420G, 450G, 455G  
**PGY** 412G, 560 (*PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G*)  
**PLS** 320, 330, 332, 366, 450G, 502, 566, 567  
**PPA** 400G  
**PSY** 456, 459  
**STA** 570, 580 (*Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.*)  
**TOX** 509

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

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

**Minor in Biological Sciences**

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

**Premajor Requirements**

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

**Minor Requirements**

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

**Minor Electives**

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

**Minor in Neuroscience**

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

**Minor Prerequisites**

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

**Minor Requirement**

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

**Minor Electives**

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

Other neuroscience-related courses at the 200-level or above, as approved by DUS in Biology

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

## CHEMISTRY

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

### Bachelor of Arts with a major in CHEMISTRY

#### 122 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. Please also note that the Organic Chemistry Sequence (CHE 230/231/232/233) will count towards completion of this requirement. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

#### UK Core Requirements

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

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

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

##### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

CHE 111 Laboratory to Accompany

General Chemistry I ..... 1

##### V. Composition and Communication I

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

##### VI. Composition and Communication II

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

##### VII. Quantitative Foundations

MA 113 Calculus I ..... 4

##### VIII. Statistical Inferential Reasoning

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

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

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

##### X. Global Dynamics

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

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

#### Graduation Writing Requirement

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

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

#### College Requirements

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

II. Disciplinary Requirements

a. Natural Science (*completed by Major Requirements*)

b. Social Science ..... 6

c. Humanities ..... 6

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

IV. Electives ..... 6

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

#### Premajor Requirements

\*MA 113 Calculus I

or

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

MA 114 Calculus II ..... 4

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

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

\*CHE 111 Laboratory to Accompany

General Chemistry I ..... 1

CHE 113 Laboratory to Accompany

General Chemistry II ..... 2

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

#### Major Requirements

##### Major Core Requirements

CHE 226 Analytical Chemistry ..... 3

CHE 230 Organic Chemistry I ..... 3

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

CHE 232 Organic Chemistry II ..... 3

CHE 233 Organic Chemistry Laboratory II ..... 1

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

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

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

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

#### Other Course Work Required for the Major

##### Chemistry Major Field Options

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

#### From the Physics Department

\*PHY 211/213 General Physics

or

\*PHY 231/232 General University Physics and

\*PHY 241/242 General University Physics

Laboratory ..... 10

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

#### Total Minimum Hours

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

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

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

### Curriculum for B.A. in Chemistry

#### Freshman Year

##### First Semester Hours

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

CHE 111 Laboratory to Accompany

General Chemistry I ..... 1

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

MA 113 Calculus I ..... 4

UK Core ..... 3

##### Second Semester

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

CHE 113 Laboratory to Accompany

General Chemistry II ..... 2

MA 114 Calculus II ..... 4

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

UK Core ..... 3

#### Sophomore Year

##### First Semester Hours

CHE 230 Organic Chemistry I ..... 3

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

PHY 211 General Physics ..... 5

STA 210 Making Sense of Uncertainty:

An Introduction to Statistical Reasoning ..... 3

UK Core ..... 3

##### Second Semester

CHE 226 Analytical Chemistry ..... 3

CHE 232 Organic Chemistry II ..... 3

CHE 233 Organic Chemistry Laboratory II ..... 1

PHY 213 General Physics ..... 5

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

#### Junior Year

##### First Semester Hours

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

Foreign Language I† ..... 4

UK Core ..... 3

Major Field Option\* ..... 3

##### Second Semester

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

CHE 572 Communication in Chemistry ..... 1

Foreign Language II† ..... 4

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

Major Field Option\* ..... 6

#### Senior Year

##### First Semester Hours

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

Foreign Language III† ..... 3

Major Field Option\* ..... 6

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

**Second Semester**

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

\*Major field options (21 credits) must be chosen from courses at the 300- to 500-level with the prefixes CHE, ANA, BCH, BIO, CME, CS, GLY/EES, MA, MI, MSE, PAT, PGY, PHA, PHR, PHY, PM, RM or STA. Credit will not be given for both BCH 401G and CHE 550 or CHE 552. 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 six credits in courses taken at or above the 300-level in the College of Education. Six credits of CHE 395 are recommended for students having a minimum 3.0 GPA in chemistry courses. Oral and written reports are required from CHE 395 students during their final semester of registration in CHE 395. A maximum of nine credits in undergraduate research or reading courses may be counted; such courses require approval of the Undergraduate Program Committee if the courses do not carry the CHE prefix.

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

## Bachelor of Science with a major in CHEMISTRY

### Traditional Option

#### 123 hours (minimum)

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

#### UK Core Requirements

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

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

Choose one course from approved list .....

##### II. Intellectual Inquiry in the Humanities

Choose one course from approved list .....

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

Choose one course from approved list .....

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

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

##### V. Composition and Communication I

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

##### VI. Composition and Communication II

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

##### VII. Quantitative Foundations

MA 113 Calculus I .....

##### VIII. Statistical Inferential Reasoning

Choose one course from approved list .....

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

Choose one course from approved list .....

#### X. Global Dynamics

Choose one course from approved list .....

**UK Core Hours: ..... 33**

#### Graduation Writing Requirement

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

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

#### College Requirements

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

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

#### Premajor Requirements

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

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

#### Major Requirements

##### Major Core Requirements

CHE 226 Analytical Chemistry .....	3
CHE 230 Organic Chemistry I .....	3
CHE 231 Organic Chemistry Laboratory I .....	1
CHE 232 Organic Chemistry II .....	3
CHE 410G Inorganic Chemistry .....	2
CHE 412G Inorganic Chemistry Laboratory .....	2
CHE 441G Physical Chemistry Laboratory .....	2
CHE 442G Thermodynamics and Kinetics .....	3
CHE 522 Instrumental Analysis .....	4
CHE 532 Spectrometric Identification of Organic Molecules .....	2
CHE 533 Qualitative Organic Analysis Laboratory .....	2
CHE 547 Principles of Physical Chemistry I .....	3

CHE 550 Biological Chemistry I

or

CHE 552 Biological Chemistry II .....

CHE 572 Communication in Chemistry

(two semesters) .....

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

#### Other Course Work Required for the Major

##### From the Major Department:

Chemistry Major Field Options .....

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

##### From the Mathematics Department

MA 213 Calculus III .....

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

##### From the Physics Department

\*PHY 231/232 General University Physics .....

\*PHY 241/242 General University Physics

Laboratory .....

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

#### Total Minimum Hours

**Required for Degree ..... 123**

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

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

### Curriculum for B.S. in Chemistry Traditional Option

#### Freshman Year

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

#### Second Semester

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

#### Sophomore Year

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

#### Second Semester

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

#### Junior Year

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

#### Second Semester

CHE 410G Inorganic Chemistry .....	2
CHE 441G Physical Chemistry Laboratory .....	2
CHE 442G Thermodynamics and Kinetics .....	3
CHE 533 Qualitative Organic Analysis Laboratory .....	2
CHE 572 Communication in Chemistry .....	1
Foreign Language II* .....	4
A&S Humanities/Social Science .....	3

#### Senior Year

First Semester	Hours
CHE 412G Inorganic Chemistry Laboratory .....	2
CHE 522 Instrumental Analysis .....	4
CHE 550 Biological Chemistry I or Major Field Option .....	3
Major Field Option .....	3
Foreign Language III* .....	3

**Second Semester**

CHE 572 Communication in Chemistry .....	1
CHE 552 Biological Chemistry II or Major Field Option .....	3
UK Core .....	6

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

**Certification Requirements**

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

## Bachelor of Science with a major in CHEMISTRY

**Biochemistry Option****128 hours**

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

**UK Core Requirements**

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

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

Choose one course from approved list .....

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list .....

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

Choose one course from approved list .....

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

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

**V. Composition and Communication I**

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

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

**VII. Quantitative Foundations**

MA 113 Calculus I .....	4
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**VIII. Statistical Inferential Reasoning**

Choose one course from approved list .....

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

Choose one course from approved list .....

**X. Global Dynamics**

Choose one course from approved list .....

**UK Core Hours ..... 33****Graduation Writing Requirement**

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

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

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

**College Requirement hours: ..... 12-26****Premajor Requirements**

*MA 113 Calculus I .....	4
MA 114 Calculus II .....	4
*CHE 105 General College Chemistry I .....	4
CHE 107 General College Chemistry II .....	3
*CHE 111 Laboratory to Accompany General Chemistry I .....	1
CHE 113 Laboratory to Accompany General Chemistry II .....	2
BIO 150 Principles of Biology I .....	3
BIO 151 Principles of Biology Laboratory I .....	2
BIO 152 Principles of Biology II .....	3
BIO 153 Principles of Biology Laboratory II .....	2

**Premajor hours: ..... 28****Major Requirements****Major Core Requirements**

CHE 226 Analytical Chemistry .....	3
CHE 230 Organic Chemistry I .....	3
CHE 231 Organic Chemistry Laboratory I .....	1
CHE 232 Organic Chemistry II .....	3

BIO 304 Principles of Genetics	
or	
BIO 308 General Microbiology	
or	
BIO 315 Introduction to Cell Biology .....	3-4

CHE 410G Inorganic Chemistry .....	2
CHE 412G Inorganic Chemistry Laboratory .....	2
CHE 440G Introductory Physical Chemistry .....	4
CHE 441G Physical Chemistry Laboratory .....	2

CHE 522 Instrumental Analysis	
or	
CHE 532/533 Spectrometric Identification of Organic Molecules/Qualitative Organic Analysis Laboratory .....	4

CHE 550 Biological Chemistry I .....	3
CHE 552 Biological Chemistry II .....	3
CHE 554 Biological Chemistry Laboratory .....	2
CHE 572 Communication in Chemistry ( <i>two semesters</i> ) .....	2

**Major Core hours: ..... 37-38****Other Course Work Required for the Major****From the Major Department:**

Chemistry Major Field Options .....	4
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Major Field Options must be chosen from the following: CHE 395; or any CHE 500-level course except for those required. CHE 395 is strongly recommended for students having a minimum 3.0 GPA in chemistry courses.

**From the Mathematics Department**

MA 213 Calculus III .....	4
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**From the Physics Department**

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

**Other Major hours: ..... 18****Electives**

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

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

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

**Curriculum for B.S. in Chemistry****Biochemistry Option****Freshman Year**

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

**Second Semester**

CHE 107 General College Chemistry II .....	3
CHE 113 Laboratory to Accompany General Chemistry II .....	2
MA 114 Calculus II .....	4
BIO 150 Principles of Biology I .....	3
BIO 151 Principles of Biology Laboratory I .....	2
CIS/WRD 111 Composition and Communication II .....	3

**Sophomore Year**

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

**Second Semester**

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

**Junior Year**

First Semester	Hours
*CHE 440G Introductory Physical Chemistry .....	4
CHE 522 Instrumental Analysis .....	4
or	
CHE 532 Spectrometric Identification of Organic Molecules .....	2
CHE 550 Biological Chemistry I .....	3
A&S Humanities/Social Science .....	3
UK Core .....	3

**Second Semester**

CHE 410G Inorganic Chemistry .....	2
CHE 533 Qualitative Organic Analysis Laboratory (if CHE 532 taken) .....	2
CHE 552 Biological Chemistry II .....	3
CHE 554 Biological Chemistry Laboratory .....	2
BIO 304 Principles of Genetics	
or	
BIO 308 General Microbiology	
or	
BIO 315 Introduction to Cell Biology .....	3-4
Foreign Language** .....	4

## Senior Year

First Semester	Hours
CHE 412G Inorganic Chemistry Laboratory .....	2
Major Field Option .....	2
CHE 572 Communication in Chemistry .....	1
A&S Humanities/Social Science .....	3
UK Core .....	3
Foreign Language** .....	4

## Second Semester

CHE 441G Physical Chemistry Laboratory .....	2
Major Field Option .....	2
CHE 572 Communication in Chemistry .....	1
Foreign Language** .....	3
UK Core .....	3
Elective .....	3

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

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

## Certification Requirements

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

## Minor in Chemistry

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

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

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

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

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

## EARTH AND ENVIRONMENTAL SCIENCES

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

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

### Bachelor of Arts with a major in GEOLOGY

#### 120 hours (minimum)

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

#### UK Core Requirements

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

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

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

#### II. Intellectual Inquiry in the Humanities

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

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

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

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

Fulfilled by Premajor Requirement – MA 123 or MA 113

#### VIII. Statistical Inferential Reasoning

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

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

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

#### X. Global Dynamics

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

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

### Graduation Writing Requirement

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

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

### College Requirements

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

### Premajor Requirements

*CHE 105 General College Chemistry I .....	4
*CHE 111 Laboratory to Accompany General Chemistry I .....	1
GLY/EES 220 Principles of Physical Geology or	
GLY/EES 223 Introduction to Geology in the Rocky Mountains .....	4-6
GLY/EES 295 Geoscience Orientation .....	1
*MA 123 Elementary Calculus and its Applications or	
*MA 113 Calculus I .....	4
PHY 151 Introduction to Physics or	
*PHY 211 General Physics or	
*PHY 231/241 General University Physics/Lab .....	3-5
<b>Premajor hours: .....</b>	<b>18-21</b>

### Major Requirements

#### Major Core Requirements

GLY/EES 230 Fundamentals of Geology I .....	3
GLY/EES 235 Fundamentals of Geology II .....	3
GLY/EES 350 Regional Historical Geology .....	3
GLY/EES 360 Mineralogy .....	4
GLY/EES 420G Structural Geology .....	4
GLY/EES 450G Sedimentary Geology .....	4
GLY/EES 461 Igneous and Metamorphic Petrology .....	4
<b>Major Core hours: .....</b>	<b>25</b>

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

<b>Elective I</b> .....	6
Choose six hours of GLY/EES courses at the 400+ level, not to include GLY/EES 495 or 496	
<b>Elective II</b> .....	6
Choose six additional hours of 300+ GLY/EES or related courses	

**NOTE:** Fourteen hours at the 200 level or higher must be completed outside Geology. Partial fulfillment of this requirement can be completed by the PHY and GLY/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 GEOLOGY

### 120 hours (minimum)

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

### UK Core Requirements

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

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

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

#### II. Intellectual Inquiry in the Humanities

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

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

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

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

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

#### VIII. Statistical Inferential Reasoning

Fulfilled by Premajor Requirement – MA 113

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

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

#### X. Global Dynamics

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

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

### Graduation Writing Requirement

GLY/EES 490 Earth Dynamics

### College Requirements

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

#### II. Disciplinary Requirements

a. Natural Science (*completed by Major Requirements*)

b. Social Science ..... 3

c. Humanities ..... 3

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

IV. Electives ..... 6

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

### Premajor Requirements

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

MA 114 Calculus II ..... 4

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

\*CHE 111 Laboratory to Accompany

General Chemistry I ..... 1

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

CHE 113 Laboratory to Accompany

General Chemistry II ..... 2

GLY/EES 220 Principles of Physical Geology

or

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

GLY/EES 230 Fundamentals of Geology I ..... 3

GLY/EES 235 Fundamentals of Geology II ..... 3

GLY/EES 295 Geoscience Orientation ..... 1

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

### Major Requirements

#### Major Core Requirements

GLY/EES 323 Field Work in Regional Geology ..... 6

GLY/EES 360 Mineralogy ..... 4

GLY/EES 420G Structural Geology ..... 4

GLY/EES 450G Sedimentary Geology ..... 4

GLY/EES 461 Igneous and Metamorphic Petrology ..... 4

\*GLY/EES 490 Earth Dynamics ..... 3

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

### Other Course Work Required for the Major

#### From the Major Department:

**Elective I** ..... 6

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

**Elective II** ..... 6

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

#### From the Physics Department

\*PHY 211/213 General Physics or

\*PHY 231/232/241/242 General University Physics 10

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

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

### Total Minimum Hours

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

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

## Minor in Geology

**Hours**

The minor consists of nineteen hours to include:

GLY/EES 220 Principles of Physical Geology ..... 4

GLY/EES 230 Fundamentals of Geology I ..... 3

GLY/EES 235 Fundamentals of Geology II ..... 3

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

## 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 119.

### UK Core Requirements

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

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

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

#### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

MA 123 Elementary Calculus and its Applications

or

MA 113 Calculus I ..... 4

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

**UK Core Hours** ..... 31

**Graduation Writing Requirement**

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

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

**College Requirements**

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

II. Disciplinary Requirements

a. Natural Science ..... 6

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

c. Humanities ..... 6

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

IV. Electives ..... 6

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

**Premajor Requirements**

\*MA 113 Calculus I

or

\*MA 123 Elementary Calculus and its Applications

and

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

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

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

STA 291 Statistical Methods ..... 3

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

**Major Requirements**

**Major Core Requirements**

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

ECO 401 Intermediate Microeconomic Theory ..... 3

ECO 402 Intermediate Macroeconomic Theory ..... 3

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

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

**Other Course Work Required for the Major**

**From the Major Department:**

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

**From Outside the Major Department**

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

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

**Electives**

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

**Total Minimum Hours**

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

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

MA 123 Elementary Calculus and its Applications

or

MA 113 Calculus I ..... 4

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

**UK Core Hours** ..... 31

**Graduation Writing Requirement**

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

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

**College Requirements**

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

II. Disciplinary Requirements

a. Natural Science ..... 3

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

c. Humanities ..... 3

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

IV. Electives ..... 6

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

**Premajor Requirements**

\*MA 113 Calculus I

or

\*MA 123 Elementary Calculus and its Applications

and

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

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

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

STA 291 Statistical Methods ..... 3

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

**Major Requirements**

**Major Core Requirements**

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

ECO 401 Intermediate Microeconomic Theory ..... 3

ECO 402 Intermediate Macroeconomic Theory ..... 3

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

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

**Other Course Work Required for the Major**

**From the Major Department:**

Choose 9-15 hours of 300+ level Economics courses ..... 9-15

**From Outside the Major Department**

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

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

**Electives**

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

**Total Minimum Hours**

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

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

**Minor in Economics**

**Hours**

The minor consists of eighteen hours to include:

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

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

ECO 401 Intermediate Microeconomic Theory or

ECO 402 Intermediate Macroeconomic Theory ..... 3

Three additional economics courses at the 300-level

or above ..... 9



## ENGLISH

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

### Bachelor of Arts with a major in ENGLISH

#### 120 hours (minimum)

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

#### UK Core Requirements

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

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

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

##### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

##### V. Composition and Communication I

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

##### VI. Composition and Communication II

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

##### VII. Quantitative Foundations

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

##### VIII. Statistical Inferential Reasoning

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

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

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

##### X. Global Dynamics

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

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

#### Graduation Writing Requirement

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

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

#### College Requirements

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

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science ..... 6

c. Humanities (*completed by Major Requirements*) ..... 0-6

III. Laboratory or Field Work ..... 1  
IV. Electives ..... 6

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

#### Premajor Requirements

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

**plus** one of the following

ENG 231 Literature and Genre

ENG 232 Literature and Place

ENG 233 Literature and Identities

\*ENG 234 Introduction to Women's Literature

\*ENG 264 Major Black Writers

\*ENG 281 Introduction to Film ..... 3

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

#### Major Requirements

##### Major Core Requirements

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

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

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

##### Other Course Work Required for the Major

###### From the Major Department:

**Language Module** ..... 3

Choose one of the following: ENG/LIN 210, 211, 310

**Literature Module** ..... 12

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

**Area Module** ..... 12

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

**Literature:** ENG 340 (if not used in Literature Module), 481G, 482G, 483G, 484G, 485G, 570, 572

**Imaginative Writing:** ENG 207, 407, 507

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

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

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

**Theory:** ENG 486G, 487G, 488G

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

###### From Outside the Major Department

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

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

#### Electives

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

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

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

\*\*Currently being waived.

### Bachelor of Science with a major in ENGLISH

#### 120 hours (minimum)

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

#### UK Core Requirements

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

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

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

##### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

##### V. Composition and Communication I

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

##### VI. Composition and Communication II

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

##### VII. Quantitative Foundations

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

##### VIII. Statistical Inferential Reasoning

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

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

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

##### X. Global Dynamics

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

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

#### Graduation Writing Requirement

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

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

#### College Requirements

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

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*) ..... 3

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

IV. Electives ..... 6

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

**Premajor Requirements**

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

plus one of the following:  
 ENG 231 Literature and Genre  
 ENG 232 Literature and Place  
 ENG 233 Literature and Identities  
 \*ENG 234 Introduction to Women’s Literature  
 \*ENG 264 Major Black Writers  
 \*ENG 281 Introduction to Film ..... 3

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

**Major Requirements**

**Major Core Requirements**

ENG 330 Text and Context (Subtitle required) ..... 3  
 \*\*ENG 395 Independent Work (Capstone) ..... 1

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

**Other Course Work Required for the Major**

**From the Major Department:**

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

**Literature Module** ..... 12

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

**Area Module** ..... 12

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

**Literature:** ENG 340 (if not used in Literature Module), 481G, 482G, 483G, 484G, 485G, 570, 572

**Imaginative Writing:** ENG 207, 407, 507

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

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

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

**Theory:** ENG 486G, 487G, 488G

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

**From Outside the Major Department**

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

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

**Electives**

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

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

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

\*\*Currently being waived.

**Minor in English**

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

- Two of the following courses (six hours):  
 ENG 331 Survey of British Literature I  
 ENG 332 Survey of British Literature II  
 ENG 334 Survey of American Literature I  
 ENG 335 Survey of American Literature II
- One course in Shakespeare (three hours)
- Three more courses (nine hours) selected from the department’s offerings (excluding all 100-level courses and ENG 205, 261, 262; WRD 203, 204).

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

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

**GENDER AND WOMEN’S STUDIES**

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

- Intellectual Inquiry in Arts and Creativity**  
 Choose one course from approved list ..... 3
- Intellectual Inquiry in the Humanities**  
 Choose one course from approved list ..... 3
- Intellectual Inquiry in the Social Sciences**  
 Choose one course from approved list ..... 3
- Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
 Choose one course from approved list ..... 3

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

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

**Graduation Writing Requirement**

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

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

**College Requirements**

- Foreign Language (*placement exam recommended*) ..... 0-14
- Disciplinary Requirements
  - Natural Science ..... 6
  - Social Science ..... 6
  - Humanities ..... 3
- Laboratory or Field Work ..... 1
- Electives ..... 6

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

**Premajor Requirements**

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

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

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

**Major Requirements**

**Core Courses**

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

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

**Elective Courses**

Choose five 3-credit-hour courses (not to exceed more than 12 hours of GWS courses from the following) from a list of approved electives, including the courses below. 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 395 Undergraduate Research in Gender and Women’s Studies ..... 1-3  
 GWS 399 Internship in Gender and Women’s Studies ..... 1-6  
 GWS 430 Gender, Power and Violence ..... 3  
 GWS 595 Issues in Gender and Women’s Studies (Subtitle required) ..... 3

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

**Total Major hours:** ..... 30

**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 requires 21 hours of course work, as outlined below:

GWS 200 Introduction to Gender and Women's Studies in the Social Sciences	
or	
GWS 201 Introduction to Gender and Women's Studies in the Arts and Humanities	3
GWS 250 Social Movements	3
GWS 340 History of Feminist Thought to 1975	3
GWS 350 Introduction to Feminist Theorizing	3

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

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

For further information, contact Betty Pasley, Administrative Assistant, Gender and Women's Studies, 112 Breckinridge Hall, (859) 257-1388.

## GEOGRAPHY

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

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

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

### Bachelor of Arts with a major in GEOGRAPHY

#### 120 hours (minimum)

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

**UK Core Requirements**

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

<b>I. Intellectual Inquiry in Arts and Creativity</b> Choose one course from approved list	3
<b>II. Intellectual Inquiry in the Humanities</b> Choose one course from approved list	3
<b>III. Intellectual Inquiry in the Social Sciences</b> Choose one course from approved list	3
<b>IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences</b> Choose one course from approved list	3
<b>V. Composition and Communication I</b> CIS/WRD 110 Composition and Communication I	3
<b>VI. Composition and Communication II</b> CIS/WRD 111 Composition and Communication II	3
<b>VII. Quantitative Foundations</b> Choose one course from approved list	3
<b>VIII. Statistical Inferential Reasoning</b> Choose one course from approved list	3
<b>IX. Community, Culture and Citizenship in the USA</b> Choose one course from approved list	3
<b>X. Global Dynamics</b> Choose one course from approved list	3
<b>UK Core Hours</b>	<b>30</b>

**Graduation Writing Requirement**

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

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

**College Requirements**

I. Foreign Language ( <i>placement exam recommended</i> )	0-14
II. Disciplinary Requirements	
a. Natural Science	6
b. Social Science ( <i>completed by Major Requirements</i> )	
c. Humanities	6

III. Laboratory or Field Work	1
IV. Electives	6

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

**Premajor Requirements**

*GEO 130 Earth's Physical Environment	3
*GEO 172 Human Geography	3

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

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

**Major Requirements****Major Core Requirements**

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

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

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

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

**Geography Concentration Tracks** ..... 12

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

**Track 1: Earth Environmental Systems (Physical Geography)**

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

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

GEO 230 Weather and Climate	3
^GEO 235 Environmental Management and Policy	3
GEO 351 Physical Landscapes	3
GEO 451G Fluvial Forms and Processes	3

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

**Track 2: Human Geography (HG)**

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

access to natural resources, education, health, and safety. Students will also find an opportunity to learn how human practices and broader processes affect both our natural and built environments. Finally, students will learn practical tools to contribute to better world through their research, or professional participation in civil society, the private sector, or government agencies. The HG Track permits students to specialize in a particular region of interest, including East, South, Southwest (Middle East), and Southeast Asia, Europe, the Caribbean, and the United States, especially Appalachia and the South.

With the advice and consent of a faculty advisor, select from courses offered within the Department and other Departments, corresponding to a particular focus in HG.

GEO 240 Geography and Gender .....	3
GEO 256 Behavior in Space and Time .....	3
*GEO 260 Geographies of Development in the Global South .....	3
GEO 285 Introduction to Planning .....	3
GEO 409 Advanced GIS .....	3
GEO 422 Urban Geography .....	3
GEO 442G Political Geography .....	3
GEO 455 Globalization and the Changing World Economy .....	3
GEO 465 Special Topics in Geography (Subtitle required) .....	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
GEO 547 Geography of Information and Communications .....	3
GEO 550 Sustainable Resource Development and Environmental Management .....	3
GEO 585 Aging and Environment .....	3

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

**Track 3: Geographic Information Techniques (GIT)**

The Geographic Information Techniques Concentration is concerned with all aspects of geographical information/data, including identification of data sources, collection, storage/retrieval, manipulation, analysis, and visualization. The GIT Concentration encompasses geographical information science (GIS), cartography, remote sensing, and spatial analysis.

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

**From Outside the Major Department**

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

Major hours: ..... 15

**Electives**

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

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

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

Choose one course from approved list .....

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list .....

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

Choose one course from approved list .....

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

Choose one course from approved list .....

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

Choose one course from approved list .....

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list .....

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

Choose one course from approved list .....

**X. Global Dynamics**

Choose one course from approved list .....

UK Core Hours ..... 30

**Graduation Writing Requirement**

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

Graduation Writing Requirement Hours: ..... 3

**College Requirements**

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

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

**Premajor Requirements**

*GEO 130 Earth's Physical Environment .....	3
*GEO 172 Human Geography .....	3

Premajor hours: ..... 6

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

**Major Requirements**

**Major Core Requirements**

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

Major Core hours: ..... 15

**Other Course Work Required for the Major**

**From the Major Department:**

**Breadth Requirements** .....

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

**Geography Concentration Tracks** .....

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

**Track 1: Earth Environmental Systems**

**(Physical Geography)**

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

GEO 230 Weather and Climate .....	3
^GEO 235 Environmental Management and Policy .....	3
GEO 351 Physical Landscapes .....	3
GEO 451G Fluvial Forms and Processes .....	3

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

**Track 2: Human Geography (HG)**

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

rope, the Caribbean, and the United States, especially Appalachia and the South.

With the advice and consent of a faculty advisor, select from courses offered within the Department and other Departments, corresponding to a particular focus in HG.

GEO 240 Geography and Gender .....	3
GEO 256 Behavior in Space and Time .....	3
*GEO 260 Geographies of Development in the Global South .....	3
GEO 285 Introduction to Planning .....	3
GEO 409 Advanced GIS .....	3
GEO 422 Urban Geography .....	3
GEO 442G Political Geography .....	3
GEO 455 Globalization and the Changing World Economy .....	3
GEO 465 Special Topics in Geography (Subtitle required) .....	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
GEO 547 Geography of Information and Communications .....	3
GEO 550 Sustainable Resource Development and Environmental Management .....	3
GEO 585 Aging and Environment .....	3

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

### Track 3: Geographic Information Techniques (GIT)

The Geographic Information Techniques Concentration is concerned with all aspects of geographical information/data, including identification of data sources, collection, storage/retrieval, manipulation, analysis, and visualization. The GIT Concentration encompasses geographical information science (GIS), cartography, remote sensing, and spatial analysis.

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

### From Outside the Major Department

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

**Major hours: ..... 48**

### Electives

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

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

### Minor in Geography

The minor in geography requires a minimum of 21 hours taken within the department. Students must complete courses as follows:

1. GEO 130 Earth's Physical Environment .....	3
GEO 172 Human Geography .....	3
<b>and</b>	
GEO 152 Regional Geography of the World <b>or</b>	
GEO 160 Lands and Peoples of the Non-Western World .....	3

- GEO 300 Geographic Research  
**or**  
GEO 305 Elements of Cartography  
**or**  
GEO 310 Quantitative Techniques  
in Geography .....
3. Nine additional hours at the 200 level or above.

### B.A. or B.S. with a major in GERMAN

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

### HISPANIC STUDIES

The Department of Hispanic Studies aims to develop the student's language skills, to provide an understanding of the cultures and literatures of the Spanish-speaking world, and to enhance the student's career opportunities in a multicultural society. The department offers a major and a minor in Spanish.

### Bachelor of Arts with a major in SPANISH

#### 120 hours (minimum)

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

#### UK Core Requirements

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

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

Choose one course from approved list .....

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list .....

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

Choose one course from approved list .....

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

Choose one course from approved list .....

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

Choose one course from approved list .....

#### VIII. Statistical Inferential Reasoning

Choose one course from approved list .....

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

Choose one course from approved list .....

#### X. Global Dynamics

Choose one course from approved list .....

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

#### Graduation Writing Requirement

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

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

#### College Requirements

I. Foreign Language (*completed by Premajor Requirement*)

II. Disciplinary Requirements

- Natural Science .....
- Social Science .....
- Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work .....

IV. Electives .....

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

#### Premajor Requirements

SPA 201 Intermediate Spanish III .....

SPA 202 Intermediate Spanish IV .....

SPA 210 Spanish Grammar and Syntax .....

SPA 211 Intermediate Spanish Conversation .....

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

#### Major Requirements

##### Major Core Requirements

SPA 310 Spanish Composition through

Textual Analysis .....

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

#### Other Course Work Required for the Major

##### From the Major Department:

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

**18-27**

##### From Outside the Major Department

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

**15-21**

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

#### Electives

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

**11**

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

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

**Graduation Writing Requirement**

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

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

**College Requirements**

I. Foreign Language (*completed by Premajor Requirement*)

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*)

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

IV. Electives ..... 6

**College Requirement hours:** ..... 13

**Premajor Requirements**

SPA 201 Intermediate Spanish III ..... 3

SPA 202 Intermediate Spanish IV ..... 3

SPA 210 Spanish Grammar and Syntax ..... 3

SPA 211 Intermediate Spanish Conversation ..... 3

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

**Major Requirements**

**Major Core Requirements**

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

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

**Other Course Work Required for the Major**

**From the Major Department:**

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

**From Outside the Major Department**

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

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

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 14

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

**Minor in Spanish**

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

1. SPA 202 or SPA 242 or equivalent

2. SPA 210

3. SPA 211

4. Beyond the first six-semester sequence, twelve additional hours which must be taken at the 300 level or above. (At least one course, three hours, must be taken in Spanish or Spanish-American literature.)

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

**HISTORY**

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

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

**Graduation Writing Requirement**

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

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

**College Requirements**

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

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science ..... 6

c. Humanities (*completed by Major Requirements*)

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

IV. Electives ..... 6

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

**Premajor Requirements**

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

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

**OR**

HIS 106 Western Culture: Science and Technology I

**and**

HIS 107 Western Culture: Science and Technology II

**OR**

\*HIS 108 History of the United States Through 1876

**and**

\*HIS 109 History of the United States Since 1877 ..... 6

**Premajor hours:** ..... 6**Major Requirements****Major Core Requirements**HIS 301 History Workshop: Introduction  
to the Study of History ..... 3**plus either 1 or 2 below:**

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

2. HIS 470 Honors Seminar  
in Historical Methods ..... 3  
HIS 471 Honors Seminar  
in Historical Research ..... 3**Major Core hours:** ..... 6-9**Other Course Work Required for the Major****From the Major Department:**

Choose 24 hours to include at least six hours in pre-1789 work; at least six hours in post-1789 work; at least three hours in American history; at least three hours of European history; at least three hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level ..... 24

**From Outside the Major Department**

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

**Other Major hours:** ..... 39**Electives**

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

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

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

**Bachelor of Science with a major in HISTORY****120 hours (minimum)**

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

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

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

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

**V. Composition and Communication I**

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

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

**UK Core Hours:** ..... 30**Graduation Writing Requirement**

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

**Graduation Writing Requirement Hours:** ..... 3**College Requirements**I. Foreign Language (*placement exam recommended*) ..... 0-14**II. Disciplinary Requirements**

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*)

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

IV. Electives ..... 6

**College Requirement hours:** ..... 13-27**Premajor Requirements**HIS 104 A History of Europe  
through the Mid-Seventeenth Century  
**and**\*HIS 105 A History of Europe  
from the Mid-Seventeenth Century to the Present  
**OR**HIS 106 Western Culture: Science and Technology I  
**and**  
HIS 107 Western Culture: Science and Technology II  
**OR**\*HIS 108 History of the United States Through 1876  
**and**

\*HIS 109 History of the United States Since 1877 ..... 6

**Premajor hours:** ..... 6**Major Requirements****Major Core Requirements**HIS 301 History Workshop: Introduction  
to the Study of History ..... 3**plus either 1 or 2 below:**

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

2. HIS 470 Honors Seminar  
in Historical Methods ..... 3  
HIS 471 Honors Seminar  
in Historical Research ..... 3**Major Core hours:** ..... 6-9**Other Course Work Required for the Major****From the Major Department:**

Choose 24 hours to include at least six hours in pre-1789 work; at least six hours in post-1789 work; at least three hours in American history; at least three hours of European history; at least three hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level ..... 24

**From Outside the Major Department**

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

**Other Major hours:** ..... 39**Electives**

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

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

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

**Minor in History**

A minor in history provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior. The minor requires a minimum of 18 hours, to be distributed as follows:

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

HIS 104/105 A History of Europe through the Mid-Seventeenth Century/A History of Europe from the Mid-Seventeenth Century to the Present

HIS 106/107 Western Culture: Science and Technology I/  
Western Culture: Science and Technology IIHIS 108/109 History of the United States Through 1876/  
History of the United States Since 1877HIS 202/203 History of the British People to the  
Restoration/History of the British People Since the  
RestorationHIS 229/230 The Ancient Near East and Greece to the  
Death of Alexander the Great/The Hellenistic World  
and Rome to the Death of ConstantineHIS 247/248 History of Islam and Middle East Peoples,  
500-1250 A.D./History of Islam and Middle East Peoples,  
1250 to the Present

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. Twelve hours of course work at or above the 300 level, at least six hours of which must be at or above the 400 level. No more than 12 of the 18 hours required may be in any one of the subfields of American history, European history, or history of the non-Western world.

## INTERNATIONAL STUDIES

International Studies is an interdisciplinary program that encourages students to explore global issues in disciplines such as anthropology, economics, history, political science, geography, foreign languages, English and the arts. Students will choose course work focused around a **central theme** and **geographical region**. Cultural knowledge will be developed further through expanded foreign language study. The program culminates in a capstone senior project. Study abroad is highly encouraged, although not required, for the International Studies major.

A degree in International Studies will prepare students for careers in business, government, non-government organizations, philanthropic agencies, or the arts. The major also prepares students for graduate study in the humanities, social sciences, international affairs, law, public health and communications.

### Bachelor of Arts with a major in INTERNATIONAL STUDIES

#### 120 hours (minimum)

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

#### UK Core Requirements

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

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

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

#### II. Intellectual Inquiry in the Humanities

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

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

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

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

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

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

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

#### VIII. Statistical Inferential Reasoning

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

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

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

#### X. Global Dynamics

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

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

#### Graduation Writing Requirement

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

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

#### College Requirements

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

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science (*can be completed with Major Requirements*) ..... 6

c. Humanities (*can be completed with Major Requirements*) ..... 6

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

IV. Electives ..... 6

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

#### Major Requirements

##### Pathway Courses\*

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

A-H 103 World Art ..... 3

ANT 130 Introduction to Comparative Religion ..... 3

ANT 160 Cultural Diversity in the Modern World ..... 3

GEO 152 Regional Geography of the World ..... 3

GEO 160 Lands and Peoples

of the Non-Western World ..... 3

HIS 104 A History of Europe

through the Mid-Seventeenth Century ..... 3

HIS 105 A History of Europe from the

Mid-Seventeenth Century to the Present ..... 3

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

PS 212 Culture and Politics in the Third World ..... 3

PS 235 World Politics ..... 3

TA 171 World Theatre I ..... 3

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

##### Language Competency\*

Complete the fourth semester in one language

**AND**

Two semesters in a second language ..... 6-8

**OR**

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

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

#### Capstone Senior Project

Complete the following course:

INT 495 International Studies Research Project ..... 3

#### Thematic and Area Concentrations

Complete one of the following:

1. Fifteen credit hours with a thematic concentration and twelve credit hours with an area concentration ..... 27

2. Fifteen credit hours with an area concentration and twelve credit hours with a thematic concentration ..... 27

**OR**

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

#### Thematic Concentrations

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

##### International Relations

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

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

##### Culture and the Arts

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

A-H 308 Studies in African Arts (Subtitle required)	3
A-H 310 Asian Art and Culture (Subtitle required)	3
A-H 323 Medieval (Subtitle required)	3
A-H 334 Reframing Renaissance Art (Subtitle required)	3
A-H 350 Contemporary	3
A-H 527 Interdisciplinary Approaches (Subtitle required)^	3
AIS 328 Islamic Civilization I	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 435 Topics in Islamic Studies (Subtitle required)^	3
AIS 440 Introduction to the Quran	3
ANT 241 Origins of Old World Civilization	3
ANT 242 Origins of New World Civilization	3
ANT 311 Global Dreams and Local Realities in a "Flat" World	3
ANT 320 Andean Civilization	3
ANT 322 Ancient Mexican Civilizations	3
ANT 324 Contemporary Latin American Cultures	3
ANT 326 People and Cultures of Sub-Saharan Africa	3
ANT 327 Culture and Societies of India	3
ANT 328 The Ancient Maya	3
ANT 350 Topics in Anthropology (Subtitle required)^	3
ANT 351 Special Topics in Archaeology (Subtitle required)^	3



ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	FR 470G Topical Seminar I (Subtitle required) .....	3	RUS 400G Russian Cultural Studies (Subtitle required) .....	3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	FR 504 Topics in French Literature and Culture (Subtitle required) .....	3	RUS 460G Major Russian Writers (Subtitle required) .....	3
ANT 432 Anthropology of Eastern Europe and Russia .....	3	GEO 442G Political Geography .....	3	RUS 463 Russian Film and Theater (Subtitle required) .....	3
ANT 433 Social Organization .....	3	GEO 491G Japanese Landscapes .....	3	SAG 201 Cultural Perspectives on Sustainability .....	3
ANT 440 Anthropological Perspectives on Child Growth .....	3	GER 263 The German Cultural Tradition I .....	3	SOC 435 Topics in Social Inequalities (Subtitle required)^ .....	3
ANT 450 Symbols and Culture .....	3	GER 264 The German Cultural Tradition II .....	3	SPA 262 Spanish Literature in Translation (Subtitle required) .....	3
ANT 490 Anthropological Research Methods .....	3	GER 311 Introduction to German Literature: Themes (Subtitle required) .....	3	SPA 315 Introduction to Hispanic Literature .....	3
ANT 515 Phonological Analysis .....	3	GER 312 Introduction to German Literature: Popular Forms .....	3	SPA 320 Literature, Life and Thought of Spain .....	3
ANT 516 Grammatical Typology .....	3	GER 317 History of German Culture .....	3	SPA 322 Literature, Life and Thought of Spanish America .....	3
ANT 532 Anthropology of the State .....	3	GER 319 Contemporary German Literature and Culture .....	3	SPA 361 Latin American Literature in Translation (Subtitle required) .....	3
ANT 541 Archaeological Method and Theory .....	3	GER 352 German-Speaking Europe (Subtitle required) .....	3	SPA 371 Latin American Cinema (Subtitle required) .....	3
ANT 543 Cultural Resource Management .....	3	GER 361 German Cinema .....	3	SPA 372 Spanish Cinema (Subtitle required) .....	3
ANT 545 Historical Archaeology .....	3	GER 363 Germanic Mythology .....	3	SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)^ .....	3
ANT 582 Senior Integrative Seminar .....	3	GER 363 Germanic Mythology .....	3	SPA 420 Spanish in the World .....	3
ANT 585 Field Laboratory in Archaeological Research .....	3	GER 415G Major German Authors (Subtitle required) .....	3	SPA 444 Medieval and Early Modern Spanish Studies .....	3
CHI 320 Gender Politics in Chinese Literature .....	3	GER 416G Genres of German Literature .....	3	SPA 434 Spanish Literature of the 20th Century .....	3
CHI 321 Introduction to Contemporary Chinese Film .....	3	GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .....	3	SPA 438G Literature of Social Protest in Spanish America .....	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3	GER 520 Special Topics Seminar^ .....	3	SPA 442 20th and 21st Century Spanish Studies (Subtitle required)^ .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3	HIS 208 History of the Atlantic World .....	3	SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .....	3
CHI 430 Popular Culture in Modern China .....	3	HIS 352 Topics in European History Before 1789 .....	3	SPA 464 Contemporary Spanish-American Studies (Subtitle required)^ .....	3
CLA 210 The Art of Greece and Rome .....	3	HIS 353 Topics in European History Since 1789 .....	3	SPA 474 Topics in Hispanic Studies (Subtitle required)^ .....	3
CLA 261 Literary Masterpieces of Greece and Rome .....	3	HIS 512 Carolingian Empire .....	3	SPA 480 Hispanic Kentucky .....	3
CLA 301 Latin Literature I (Subtitle required) .....	3	HIS 536 Intellectual and Cultural History of Russia to 1800 .....	3	SW 320 Global Poverty: Responses Across Cultures .....	3
CLA 302 Latin Literature II (Subtitle required) .....	3	HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .....	3	TA 271 World Theatre II .....	3
CLA 331 Gender and Sexuality in Antiquity .....	3	HIS 546 The Byzantine Empire .....	3	TA 273 World Theatre III .....	3
CLA 382 Greek and Roman Religion .....	3	HIS 552 Tudor-Stuart Britain, 1485-1714 .....	3	TA 274 World Theatre IV .....	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE .....	3	HIS 564 History of Brazil .....	3	TA 485 French Theatre: Culture, Text and Performance .....	3
CLA 391 Christians in the Roman Empire .....	3	HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3	TA 584 Asian Theatre .....	3
CLA 450G Special Topics in Classical Studies (Subtitle required) .....	3	HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3	<i>^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.</i>	
CLA 462G Topics in Classical Literature (Subtitle required) .....	3	HJS 327 Women in Judaism .....	3	<b>Global Environment</b>	
CLA 480G Studies in Greek and Latin Literature (Subtitle required) .....	3	HJS 425 Topics in Judaic Studies (Subtitle required)^ .....	3	The Global Environment concentration focuses on the international interplay of peoples, information, capital, culture and physical geographies.	
CLA 509 Roman Law .....	3	ITA 263 Masterpieces of Italian Literature in Translation .....	3	ANT 311 Global Dreams and Local Realities in a "Flat" World .....	3
CLA 524 The Latin Literature of the Republic (Subtitle required) .....	3	ITA 443G Survey of Italian Literature I .....	3	ANT 332 Human Evolution .....	3
CLA 525 The Latin Literature of the Empire (Subtitle required) .....	3	JOU 319 World Media Systems .....	3	ANT 333 Contemporary Human Variation .....	3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) .....	3	JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .....	3	ANT 338 Economic Anthropology .....	3
CLA 551 Greek Poetry and Drama (Subtitle required) .....	3	JPN 420G Pre-Modern Literary and Visual Arts of Japan .....	3	ANT 350 Topics in Anthropology (Subtitle required)^ .....	3
CLA 555 Greek Prose (Subtitle required) .....	3	JPN 421G Contemporary Literary and Visual Arts of Japan .....	3	ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3
ENG 261 Survey of Western Literature from the Greeks through the Renaissance .....	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3
ENG 262 Survey of Western Literature from 1660 to the Present .....	3	MAT 247 Dress and Culture .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3
ENG 330 Text and Context (Subtitle required)^ .....	3	MCL 270 Introduction to Folklore and Mythology .....	3	ANT 375 Ecology and Social Practice .....	3
ENG 331 Survey of British Literature I .....	3	MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .....	3	ANT 490 Anthropological Research Methods .....	3
ENG 332 Survey of British Literature II .....	3	MUS 330 Music in the World (Subtitle required)^ .....	3	GEO 222 Cities of the World .....	3
ENG 333 Studies in a British Author or Authors (Subtitle required) .....	3	PHI 343 Asian Philosophy .....	3	GEO 231 Environment and Development .....	3
ENG 340 Shakespeare .....	3	PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3	GEO 235 Environmental Management and Policy .....	3
ENG 481G Studies in British Literature (Subtitle required) .....	3	PHI 516 Contemporary Philosophy: Phenomenological Directions .....	3	GEO 331 Global Environmental Change .....	3
EPE 554 Culture, Education and Teaching Abroad .....	3	RUS 270 Russian Culture 900-1900 .....	3		
FA 501 Arts-Study Tour^ .....	3	RUS 271 Russian Culture 1900-Present .....	3		
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) .....	3	RUS 370 Russian Folklore (in English) .....	3		
FR 350 Francophone Cultures (Subtitle required)^ .....	3	RUS 375 Seminar in Russian Film .....	3		
FR 465G Topics in French Literature and Culture in Translation (Subtitle required) .....	3	RUS 380 Nineteenth-Century Russian Literature (in English) .....	3		
		RUS 381 Russian Literature 1900-Present (in English) .....	3		

GEO 365 Special Topics in Regional Geography  
(Subtitle required)^ ..... 3

GEO 406G Field Studies (Subtitle required)^ ..... 1-9

GEO 431 Political Ecology ..... 3

GEO 530 Biogeography and Conservation ..... 3

GEO 531 Landscape Ecology ..... 3

GEO 550 Sustainable Resource Development and  
Environmental Management ..... 3

HIS 595 Studies in History ..... 3

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

JPN 491G Japanese Landscapes ..... 3

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

PS 391 Special Topics in Political Science  
(Subtitle required)^ ..... 3

PS 433G Politics of International  
Economic Relations ..... 3

PS 437G Dynamics of International Law ..... 3

SAG 201 Cultural Perspectives on Sustainability ..... 3

SAG 490 Integration of Sustainable  
Agriculture Principles ..... 3

SPA 312 Civilization of Spain ..... 3

SPA 314 Civilization of Spanish America ..... 3

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

**International Development**

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

ANT 311 Global Dreams and Local Realities  
in a “Flat” World ..... 3

ANT 338 Economic Anthropology ..... 3

ANT 340 Development and Change  
in the Third World ..... 3

ANT 350 Topics in Anthropology  
(Subtitle required)^ ..... 3

ANT 351 Special Topics in Archaeology  
(Subtitle required)^ ..... 3

ANT 352 Special Topics in Cultural Anthropology  
(Subtitle required)^ ..... 3

ANT 353 Special Topics in Physical or  
Biological Anthropology (Subtitle required)^ ..... 3

ANT 433 Social Organization ..... 3

ANT 490 Anthropological Research Methods ..... 3

ANT 525 Applied Anthropology ..... 3

ANT 532 Anthropology of the State ..... 3

COM 462 Intercultural Communication ..... 3

ECO 473G Economic Development\* ..... 3

EPE 555 Comparative Education ..... 3

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

GEO 231 Environment and Development ..... 3

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

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

GEO 431 Political Ecology ..... 3

JPN 461G Japanese Colonialism and its Legacies ..... 3

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

PS 391 Special Topics in Political Science  
(Subtitle required)^ ..... 3

PS 433G Politics of International  
Economic Relations ..... 3

PS 436G International Organization ..... 3

SOC 380 Globalization: A  
Cross-Cultural Perspective ..... 3

SOC 435 Topics in Social Inequalities  
(Subtitle required)^ ..... 3

SOC 444 Topics in Political Sociology  
(Subtitle required)^ ..... 3

SPA 454 Colonialism and 19th Century  
Spanish-American Studies (Subtitle required) ..... 3

SW 320 Global Poverty:  
Responses Across Cultures ..... 3

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

**International Commerce**

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

AEC 309 International Agricultural, World Food Needs,  
and U.S. Trade in Agricultural Products ..... 3

AEC 510 International Trade and  
Agricultural Marketing ..... 3

ECO 465G Comparative Economic Systems\* ..... 3

ECO 471 International Trade\* ..... 3

ECO 473G Economic Development\* ..... 3

FIN 423 International Finance\* ..... 3

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

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

GEO 551 Japanese Multinational Corporations ..... 3

GER 310 German for International Business  
and Professions ..... 3

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

MAT 470 International Merchandizing ..... 3

MGT 309 Introduction to International Business\* ..... 3

MKT 435 International Marketing\* ..... 3

PS 433G Politics of International  
Economic Relations ..... 3

RUS 530 Business Russian ..... 3

SPA 302 Commercial and Technical Spanish ..... 3

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

**Human Rights and Social Movements**

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

AIS 338 Women and Islam ..... 3

AIS 340 Fundamentalism and Reform in Islam ..... 3

ANT 311 Global Dreams and Local Realities  
in a “Flat” World ..... 3

ANT 340 Development and Change  
in the Third World ..... 3

ANT 350 Topics in Anthropology  
(Subtitle required)^ ..... 3

ANT 351 Special Topics in Archaeology  
(Subtitle required)^ ..... 3

ANT 352 Special Topics in Cultural Anthropology  
(Subtitle required)^ ..... 3

ANT 353 Special Topics in Physical or  
Biological Anthropology (Subtitle required)^ ..... 3

ANT 401 Gender Roles in  
Cross-Cultural Perspective ..... 3

ANT 429 Survey of Medical Anthropology ..... 3

ANT 433 Social Organization ..... 3

ANT 435 Cultures and Politics of Reproduction ..... 3

ANT 440 Anthropological Perspectives  
on Child Growth ..... 3

ANT 490 Anthropological Research Methods ..... 3

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

FR 263 African and Caribbean Literature and  
Culture of French Expression in Translation  
(Subtitle required)^ ..... 3

FR 350 Francophone Cultures (Subtitle required)^ ..... 3

FR 465G Topics in French Literature  
and Culture in Translation (Subtitle required)^ ..... 3

GER 352 German-Speaking Europe  
(Subtitle required)^ ..... 3

GWS 250 Social Movements ..... 3

HIS 521 European Social History, 1400-1800 ..... 3

HIS 529 Women in Modern Europe ..... 3

HIS 563 The History of Women in Latin America ..... 3

JPN 451G Social Movements in Modern Japan ..... 3

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

PS 391 Special Topics in Political Science  
(Subtitle required)^ ..... 3

PS 437G Dynamics of International Law ..... 3

SOC 435 Topics in Social Inequalities  
(Subtitle required)^ ..... 3

SOC 444 Topics in Political Sociology  
(Subtitle required)^ ..... 3

SPA 438G Literature of Social Protest  
in Spanish America ..... 3

SW 320 Global Poverty:  
Responses Across Cultures ..... 3

*^The subtitle for this course must directly relate to the  
Human Rights and Social Movements Concentration. You  
must check with the IS director or advisor for verification  
prior to taking the course.*

**Area Concentrations**

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

**Africa and the Middle East**

A-H 308 Studies in African Arts (Subtitle required) ..... 3

A-H 527 Interdisciplinary Approaches  
(Subtitle required)^ ..... 3

AIS 328 Islamic Civilization I ..... 3

AIS 330 Islamic Civilization II ..... 3

AIS 331 Classical Arabic Literature  
(Subtitle required) ..... 3

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

AIS 440 Introduction to the Quran ..... 3

ANT 326 People and Cultures  
of Sub-Saharan Africa ..... 3

ANT 350 Topics in Anthropology  
(Subtitle required)^ ..... 3

ANT 351 Special Topics in Archaeology  
(Subtitle required)^ ..... 3

ANT 352 Special Topics in Cultural Anthropology  
(Subtitle required)^ ..... 3

ANT 353 Special Topics in Physical or  
Biological Anthropology (Subtitle required)^ ..... 3

FA 501 Arts-Study Tour^ ..... 3

FR 263 African and Caribbean Literature and Culture  
of French Expression in Translation  
(Subtitle required) ..... 3

FR 350 Francophone Cultures (Subtitle required) ..... 3

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

GEO 336 Geography of Sub-Saharan Africa ..... 3

HIS 247 History of Islam and Middle East Peoples,  
500-1250 AD ..... 3

HIS 248 History of Islam and Middle East Peoples,  
1250 to the Present ..... 3

HIS 254 History of Sub-Saharan Africa ..... 3

HIS 355 Topics in Non-Western History  
Since 1789^ ..... 3

HIS 548 History of the Middle East: 1453-1920 ..... 3

HIS 549 History of the Middle East:  
1952 to Present ..... 3

HIS 550 Studies in the Mid-East History and Politics (Subtitle required) .....	3	JPN 421G Contemporary Literary and Visual Arts of Japan .....	3	ENG 481G Studies in British Literature (Subtitle required) .....	3
HIS 551 Foreign Policies of Middle East States .....	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .....	3	FA 501 Arts-Study Tour^ .....	3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3	JPN 451G Social Movements in Modern Japan .....	3	FR 350 Francophone Cultures (Subtitle required)^ .....	3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3	JPN 461G Japanese Colonialism and Its Legacies .....	3	FR 465G Topics in French Literature and Culture in Translation (Subtitle required)^ .....	3
HJS 327 Women in Judaism .....	3	JPN 491G Japanese Landscapes .....	3	FR 470G Topical Seminar I (Subtitle required)^ .....	3
HJS 425 Topics in Judaic Studies (Subtitle required)^ .....	3	JPN 551 Japanese Multinational Corporations .....	3	GEO 326 Geography of Europe .....	3
MUS 330 Music in the World (Subtitle required)^ .....	3	MUS 330 Music in the World (Subtitle required)^ .....	3	GEO 365 Special Topics in Regional Geography (Subtitle required)^ .....	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3	PHI 343 Asian Philosophy .....	3	GER 263 The German Cultural Tradition I .....	3
PS 410 Topics in Regional Politics (Subtitle required)^ .....	3	PS 410 Topics in Regional Politics (Subtitle required)^ .....	3	GER 264 The German Cultural Tradition II .....	3
PS 417G Survey of Sub-Saharan Politics .....	3	PS 419G The Governments and Politics of Eastern Asia .....	3	GER 311 Introduction to German Literature: Themes (Subtitle required) .....	3
<i>^The subtitle for this course must directly relate to the Africa and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>		PS 420G Governments and Politics of South Asia .....	3	GER 312 Introduction to German Literature: Popular Forms .....	3
		TA 584 Asian Theatre .....	3	GER 317 History of German Culture .....	3
		<i>^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.</i>		GER 319 Contemporary German Literature and Culture .....	3
<b>East, South, and Southeast Asia</b>				GER 352 German-Speaking Europe (Subtitle required) .....	3
A-H 310 Asian Art and Culture (Subtitle required) .....	3	<b>Europe</b>		GER 361 German Cinema .....	3
A-H 527 Interdisciplinary Approaches (Subtitle required)^ .....	3	A-H 334 Reframing Renaissance Art (Subtitle required) .....	3	GER 363 Germanic Mythology .....	3
AIS 328 Islamic Civilization I .....	3	A-H 527 Interdisciplinary Approaches (Subtitle required)^ .....	3	GER 415G Major German Authors (Subtitle required) .....	3
AIS 330 Islamic Civilization II .....	3	ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	GER 416G Genres of German Literature .....	3
AIS 331 Classical Arabic Literature (in English) .....	3	ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .....	3
AIS 338 Women and Islam .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	GER 520 Special Topics Seminar .....	3
AIS 340 Fundamentalism and Reform in Islam .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	HIS 202 History of British People to the Restoration .....	3
AIS 435 Topics in Islamic Studies (Subtitle required)^ .....	3	CLA 210 The Art of Greece and Rome .....	3	HIS 203 History of British People Since the Restoration .....	3
AIS 440 Introduction to the Quran .....	3	CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great .....	3	HIS 208 History of the Atlantic World .....	3
ANT 327 Culture and Societies of India .....	3	CLA 230 The Hellenistic World and Rome to the Death of Constantine .....	3	HIS 230 The Hellenistic World and Rome to the Death of Constantine .....	3
ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	CLA 261 Literary Masterpieces of Greece and Rome .....	3	HIS 323 The Holocaust .....	3
ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	CLA 301 Latin Literature I (Subtitle required) .....	3	HIS 352 Topics in European History Before 1789 .....	3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	CLA 302 Latin Literature II (Subtitle required) .....	3	HIS 353 Topics in European History Since 1789 .....	3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	CLA 331 Gender and Sexuality in Antiquity .....	3	HIS 370 Early Middle Ages .....	3
CHI 320 Gender Politics in Chinese Literature .....	3	CLA 382 Greek and Roman Religion .....	3	HIS 371 Later Middle Ages .....	3
CHI 321 Introduction to Contemporary Chinese Film .....	3	CLA 390 Backgrounds to and Early History of Christianity to 150 CE .....	3	HIS 500 Preclassical and Classical Greece .....	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3	CLA 391 Christians in the Roman Empire .....	3	HIS 501 Fourth Century Greece and the Hellenistic World .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3	CLA 450G Special Topics in Classical Studies (Subtitle required) .....	3	HIS 502 A History of the Roman Republic .....	3
CHI 430 Popular Culture in Modern China .....	3	CLA 462G Topics in Classical Literature (Subtitle required) .....	3	HIS 503 A History of the Roman Empire .....	3
FA 501 Arts-Study Tour^ .....	3	CLA 480G Studies in Greek and Latin Literature (Subtitle required) .....	3	HIS 504 Greek and Roman Medicine .....	3
GEO 330 Geography of the Indian Subcontinent .....	3	CLA 509 Roman Law .....	3	HIS 509 Roman Law .....	3
GEO 332 Geography of Southeast Asia .....	3	CLA 524 The Latin Literature of the Republic (Subtitle required) .....	3	HIS 512 Carolingian Empire .....	3
GEO 333 Geography of East Asia .....	3	CLA 525 The Latin Literature of the Empire (Subtitle required) .....	3	HIS 514 Spain: From Reconquest to Empire, 1200-1700 .....	3
GEO 334 Environment, Society and Economy of Japan .....	3	CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) .....	3	HIS 519 The Era of the Renaissance .....	3
GEO 365 Special Topics in Regional Geography (Subtitle required)^ .....	3	CLA 551 Greek Poetry and Drama (Subtitle required) .....	3	HIS 521 European Social History, 1400-1800 .....	3
GEO 406G Field Studies (Subtitle required)^ .....	1-9	CLA 555 Greek Prose (Subtitle required) .....	3	HIS 522 Europe and the World in the Age of Revolution (1760-1815) .....	3
HIS 295 East Asia to 1800 .....	3	ENG 261 Survey of Western Literature from the Greeks through the Renaissance .....	3	HIS 525 Modern Europe: 1890-1939 .....	3
HIS 296 East Asia Since 1600 .....	3	ENG 262 Survey of Western Literature from 1660 to the Present .....	3	HIS 526 Europe Since 1939 .....	3
HIS 355 Topics in Non-Western History Since 1789^ .....	3	ENG 330 Text and Context (Subtitle required)^ .....	3	HIS 529 Women in Modern Europe .....	3
HIS 593 East Asian History Since World War II .....	3	ENG 331 Survey of British Literature I .....	3	HIS 540 History of Modern France to 1815 .....	3
HIS 598 China in Revolution, 1895-1976 .....	3	ENG 332 Survey of British Literature II .....	3	HIS 541 History of Modern France Since 1815 .....	3
JPN 320 Introduction to Japanese Culture Pre-Modern to 1868 .....	3	ENG 333 Studies in a British Author or Authors (Subtitle required) .....	3	HIS 542 German History, 1789-1918 .....	3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .....	3	ENG 340 Shakespeare .....	3	HIS 543 German History Since 1918 .....	3
JPN 334 Environment, Society and Economy of Japan .....	3			HIS 546 The Byzantine Empire .....	3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) .....	3			HIS 552 Tudor-Stuart Britain, 1485-1714 .....	3
JPN 420G Pre-Modern Literary and Visual Arts of Japan .....	3			HIS 553 Eighteenth Century Britain .....	3
				HIS 554 British History 1815-1901 .....	3
				HIS 555 British History Since 1901 .....	3
				HIS 556 The British Empire, 1322-1879 .....	3
				HIS 557 British Empire and Commonwealth, 1880-2000 .....	3
				HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3
				HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3

HJS 425 Topics in Judaic Studies  
(Subtitle required) ..... 3

ITA 263 Masterpieces of Italian Literature  
in Translation ..... 3

ITA 443G Survey of Italian Literature I ..... 3

PS 410 Topics in Regional Politics  
(Subtitle required)^ ..... 3

PS 427G East European Politics ..... 3

SPA 262 Spanish Literature in Translation  
(Subtitle required) ..... 3

SPA 312 Civilization of Spain ..... 3

SPA 320 Literature, Life and Thought of Spain ..... 3

SPA 400 Special Topics in Hispanic Literatures  
and Languages (Subtitle required)^ ..... 3

SPA 420 Spanish in the World ..... 3

SPA 424 Medieval and Early Modern  
Spanish Studies ..... 3

SPA 434 Spanish Literature of the 20th Century ..... 3

SPA 444 20th and 21st Century Spanish Studies  
(Subtitle required)^ ..... 3

SPA 506 Introduction to Comparative Spanish,  
Portuguese, and Italian Linguistics ..... 3

TA 485 French Theatre: Culture, Text  
and Performance ..... 3  
^The subtitle for this course must directly relate to the  
Europe Concentration. You must check with the IS director  
or advisor for verification **prior** to taking the course.

**Latin America**

GEO 324 Geography of Central and South America  
and the Caribbean ..... 3

GEO 406G Field Studies (Subtitle required)^ ..... 3

HIS 206 History of Colonial Latin America,  
1492-1810 ..... 3

HIS 207 History of Modern Latin America,  
1810 to Present ..... 3

HIS 562 Modern Mexico ..... 3

HIS 563 The History of Women in Latin America ..... 3

PS 428G Latin American Government and Politics ..... 3

PS 538 Conflict and Cooperation in  
Latin American Relations ..... 3

SPA 314 Civilization of Spanish America ..... 3

SPA 322 Literature, Life and Thought of  
Spanish America ..... 3

SPA 361 Latin American Literature in Translation  
(Subtitle required) ..... 3

SPA 371 Latin American Cinema  
(Subtitle required) ..... 3

SPA 400 Special Topics in Hispanic Literatures  
and Languages (Subtitle required)^ ..... 3  
^The subtitle for this course must directly relate to the  
Latin America Concentration. You must check with the IS  
director or advisor for verification **prior** to taking the  
course.

**Russia and Eurasia**

A-H 527 Interdisciplinary Approaches  
(Subtitle required)^ ..... 3

ANT 350 Topics in Anthropology  
(Subtitle required)^ ..... 3

ANT 351 Special Topics in Archaeology  
(Subtitle required)^ ..... 3

ANT 352 Special Topics in Cultural Anthropology  
(Subtitle required)^ ..... 3

ANT 353 Special Topics in Physical or  
Biological Anthropology (Subtitle required)^ ..... 3

ANT 432 Anthropology of Eastern Europe  
and Russia ..... 3

FA 501 Arts-Study Tour^ ..... 3

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

GEO 365 Special Topics in Regional Geography  
(Subtitle required)^ ..... 3

HIS 355 Topics in Non-Western History  
Since 1789^ ..... 3

HIS 385 History of Russia to 1825 ..... 3

HIS 386 History of Russia Since 1825 ..... 3

HIS 534 Russia in the 19th Century ..... 3

HIS 535 Russia in the 20th Century ..... 3

HIS 536 Intellectual and Cultural History  
of Russia to 1800 ..... 3

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

PS 410 Topics in Regional Politics  
(Subtitle required)^ ..... 3

PS 427G East European Politics ..... 3

PS 429G Government and Politics in Russia  
and the Post-Soviet States ..... 3

RUS 261 Introduction to Russian Studies ..... 3

RUS 270 Russian Culture 900-1900 ..... 3

RUS 271 Russian Culture 1900-Present ..... 3

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

RUS 375 Seminar in Russian Film ..... 3

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

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

RUS 400G Russian Cultural Studies  
(Subtitle required) ..... 3

RUS 460G Major Russian Writers  
(Subtitle required) ..... 3

RUS 463 Russian Film and Theatre  
(Subtitle required) ..... 3

**Foreign Language – International Economics (FLIE)**

Foreign Language – International Economics is a program of study that combines foreign language proficiency with training in economics. The FLIE major prepares students for employment in economic positions internationally.

Students who choose the FLIE concentration are not required to complete the six hour Pathways requirement. The Language Competency requirement will also be complete with FLIE courses. Students will complete the Economics Core Requirement and **one** of the Language Core Concentrations.

**Economics Core Requirement**

STA 291 Statistical Methods ..... 3

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

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

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

ECO 401 Intermediate Microeconomic Theory ..... 3

ECO 402 Intermediate Macroeconomic Theory ..... 3

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

**Plus** two of the following:  
ECO 471 International Trade ..... 3  
ECO 472 International Monetary Economics ..... 3  
ECO 473G Economic Development ..... 3

**Language Core Requirement**

Choose **one** of the following language concentrations.

**French**

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

**Plus** 14 hours from the following list:  
FR 204 Introduction to French and  
Francophone Studies ..... 3  
FR 310 French Phonetics ..... 3  
FR 350 Francophone Cultures (Subtitle required)^ ..... 3  
FR 470G Topical Seminar I (Subtitle required) ..... 3  
FR 504 Topics in French Literature and Culture  
(Subtitle required) ..... 3  
FR 507 Interpretation and Style ..... 3  
FR 550 France Today ..... 3

**German**

GER 205 Reading and Writing Practice ..... 2

GER 206 Spoken Communication ..... 3

GER 307 Intermediate German Composition  
and Conversation I ..... 3

GER 310 German for International Business  
and Professions ..... 3

**Plus** 12 hours from the following list:  
GER 308 Intermediate German Composition  
and Conversation II ..... 3  
GER 311 Introduction to German Literature:  
Themes (Subtitle required) ..... 3  
GER 312 Introduction to German Literature:  
Popular Forms ..... 3  
GER 317 History of German Culture ..... 3  
GER 319 Contemporary German Literature  
and Culture ..... 3  
GER 352 German-Speaking Europe  
(Subtitle required) ..... 3  
GER 361 German Cinema ..... 3  
GER 363 Germanic Mythology ..... 3  
GER 395 Independent Work in German ..... 1-3  
GER 415G Major German Authors  
(Subtitle required) ..... 3  
GER 416G Genres of German Literature ..... 3  
GER 420G Special Studies in German Literary  
and Cultural History (Subtitle required) ..... 3  
GER 507 Advanced German Composition  
and Conversation ..... 3

**Japanese**

JPN 202 Intermediate Japanese II ..... 4

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

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

**Plus** 12 hours from the following list:  
A-H 310 Asian Art and Culture  
(Subtitle required) ..... 3  
COM 525 Organizational Communication ..... 3  
GEO 333 Geography of East Asia ..... 3  
GEO 365 Special Topics in Regional Geography  
(Subtitle required) ..... 3  
GEO 406G Field Studies (Subtitle required) ..... 1-9  
HIS 295 East Asia to 1800 ..... 3  
HIS 296 East Asia Since 1600 ..... 3  
JPN 200+ Any 200+ level JPN courses ..... 3  
PS 419G The Governments and Politics  
of Eastern Asia ..... 3

**Russian**

RUS 271 Russian Culture 1900-Present ..... 3

RUS 301 Advanced Intermediate Russian I ..... 3

RUS 302 Advanced Intermediate Russian II ..... 3

**Plus** one of the following courses:  
RUS 380 Nineteenth Century Russian Literature  
(in English) ..... 3  
RUS 381 Russian Literature 1900-Present  
(in English) ..... 3

**Plus** 9 hours from the following list:  
ANT 432 Anthropology of Eastern Europe  
and Russia ..... 3  
HIS 385 History of Russia to 1825 ..... 3  
HIS 386 History of Russia Since 1825 ..... 3  
HIS 534 Russia in the 19th Century ..... 3  
HIS 535 Russia in the 20th Century ..... 3  
HIS 536 Intellectual and Cultural History  
of Russia to 1800 ..... 3  
HIS 537 Intellectual and Cultural History  
of Russia from 1800 to the Present ..... 3  
PS 429G Government and Politics in Russia  
and the Post-Soviet States ..... 3

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

### Spanish

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

### Distribution Requirements

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.
2. Students must apply to 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.

## Bachelor of Science with a major in INTERNATIONAL STUDIES

### 120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

### UK Core Requirements

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

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

Choose one course from approved list .....

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list .....

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

Choose one course from approved list .....

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

Choose one course from approved list .....

#### V. Composition and Communication I

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

#### VI. Composition and Communication II

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

#### VII. Quantitative Foundations

Choose one course from approved list .....

### VIII. Statistical Inferential Reasoning

Choose one course from approved list .....

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

Choose one course from approved list .....

### X. Global Dynamics

Choose one course from approved list .....

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

### Graduation Writing Requirement

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

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

### College Requirements

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

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

### Major Requirements

#### Pathway Courses\*

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

A-H 103 World Art .....	3
ANT 130 Introduction to Comparative Religion .....	3
ANT 160 Cultural Diversity in the Modern World .....	3
GEO 152 Regional Geography of the World .....	3
GEO 160 Lands and Peoples of the Non-Western World .....	3
HIS 104 A History of Europe through the Mid-Seventeenth Century .....	3
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present .....	3
PS 210 Introduction to Comparative Politics .....	3
PS 212 Culture and Politics in the Third World .....	3
PS 235 World Politics .....	3
TA 171 World Theatre I .....	3

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

#### Language Competency\*

Complete the fourth semester in one language

##### AND

Two semesters in a second language .....

##### OR

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

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

### Capstone Senior Project

Complete the following course:

INT 495 International Studies Research Project .....

### Thematic and Area Concentrations

Complete one of the following:

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

### OR

3. Foreign Languages and International Economics (FLIE) .....

### Thematic Concentrations

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

#### International Relations

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

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

#### Culture and the Arts

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

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

ANT 328 The Ancient Maya .....	3	FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) ^ .....	3	RUS 375 Seminar in Russian Film .....	3
ANT 350 Topics in Anthropology (Subtitle required) ^ .....	3	FR 350 Francophone Cultures (Subtitle required) ^ .....	3	RUS 380 Nineteenth-Century Russian Literature (in English) .....	3
ANT 351 Special Topics in Archaeology (Subtitle required) ^ .....	3	FR 465G Topics in French Literature and Culture in Translation (Subtitle required) .....	3	RUS 381 Russian Literature 1900-Present (in English) .....	3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ^ .....	3	FR 470G Topical Seminar I (Subtitle required) .....	3	RUS 400G Russian Cultural Studies (Subtitle required) .....	3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ^ .....	3	FR 504 Topics in French Literature and Culture (Subtitle required) .....	3	RUS 460G Major Russian Writers (Subtitle required) .....	3
ANT 432 Anthropology of Eastern Europe and Russia .....	3	GEO 442G Political Geography .....	3	RUS 463 Russian Film and Theater (Subtitle required) .....	3
ANT 433 Social Organization .....	3	GEO 491G Japanese Landscapes .....	3	SAG 201 Cultural Perspectives on Sustainability .....	3
ANT 440 Anthropological Perspectives on Child Growth .....	3	GER 263 The German Cultural Tradition I .....	3	SOC 435 Topics in Social Inequalities (Subtitle required) ^ .....	3
ANT 450 Symbols and Culture .....	3	GER 264 The German Cultural Tradition II .....	3	SPA 262 Spanish Literature in Translation (Subtitle required) .....	3
ANT 490 Anthropological Research Methods .....	3	GER 311 Introduction to German Literature: Themes (Subtitle required) .....	3	SPA 315 Introduction to Hispanic Literature .....	3
ANT 515 Phonological Analysis .....	3	GER 312 Introduction to German Literature: Popular Forms .....	3	SPA 320 Literature, Life and Thought of Spain .....	3
ANT 516 Grammatical Typology .....	3	GER 317 History of German Culture .....	3	SPA 322 Literature, Life and Thought of Spanish America .....	3
ANT 532 Anthropology of the State .....	3	GER 319 Contemporary German Literature and Culture .....	3	SPA 361 Latin American Literature in Translation (Subtitle required) .....	3
ANT 541 Archaeological Method and Theory .....	3	GER 352 German-Speaking Europe (Subtitle required) .....	3	SPA 371 Latin American Cinema (Subtitle required) .....	3
ANT 543 Cultural Resource Management .....	3	GER 361 German Cinema .....	3	SPA 372 Spanish Cinema (Subtitle required) .....	3
ANT 545 Historical Archaeology .....	3	GER 363 Germanic Mythology .....	3	SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required) ^ .....	3
ANT 582 Senior Integrative Seminar .....	3	GER 415G Major German Authors (Subtitle required) .....	3	SPA 420 Spanish in the World .....	3
ANT 585 Field Laboratory in Archaeological Research .....	3	GER 416G Genres of German Literature .....	3	SPA 424 Medieval and Early Modern Spanish Studies .....	3
CHI 320 Gender Politics in Chinese Literature .....	3	GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .....	3	SPA 434 Spanish Literature of the 20th Century .....	3
CHI 321 Introduction to Contemporary Chinese Film .....	3	GER 520 Special Topics Seminar ^ .....	3	SPA 438G Literature of Social Protest in Spanish America .....	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3	HIS 208 History of the Atlantic World .....	3	SPA 444 20th and 21st Century Spanish Studies (Subtitle required) ^ .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3	HIS 352 Topics in European History Before 1789 .....	3	SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .....	3
CHI 430 Popular Culture in Modern China .....	3	HIS 353 Topics in European History Since 1789 .....	3	SPA 464 Contemporary Spanish-American Studies (Subtitle required) ^ .....	3
CLA 210 The Art of Greece and Rome .....	3	HIS 512 Carolingian Empire .....	3	SPA 474 Topics in Hispanic Studies (Subtitle required) ^ .....	3
CLA 261 Literary Masterpieces of Greece and Rome .....	3	HIS 536 Intellectual and Cultural History of Russia to 1800 .....	3	SPA 480 Hispanic Kentucky .....	3
CLA 301 Latin Literature I (Subtitle required) .....	3	HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present .....	3	SW 320 Global Poverty: Responses Across Cultures .....	3
CLA 302 Latin Literature II (Subtitle required) .....	3	HIS 546 The Byzantine Empire .....	3	TA 271 World Theatre II .....	3
CLA 331 Gender and Sexuality in Antiquity .....	3	HIS 552 Tudor-Stuart Britain, 1485-1714 .....	3	TA 273 World Theatre III .....	3
CLA 382 Greek and Roman Religion .....	3	HIS 564 History of Brazil .....	3	TA 274 World Theatre IV .....	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE .....	3	HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3	TA 485 French Theatre: Culture, Text and Performance .....	3
CLA 391 Christians in the Roman Empire .....	3	HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3	TA 584 Asian Theatre .....	3
CLA 450G Special Topics in Classical Studies (Subtitle required) .....	3	HJS 327 Women in Judaism .....	3	<i>^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.</i>	
CLA 462G Topics in Classical Literature (Subtitle required) .....	3	HJS 425 Topics in Judaic Studies (Subtitle required) ^ .....	3	<b>Global Environment</b>	
CLA 480G Studies in Greek and Latin Literature (Subtitle required) .....	3	ITA 263 Masterpieces of Italian Literature in Translation .....	3	The Global Environment concentration focuses on the international interplay of peoples, information, capital, culture and physical geographies.	
CLA 509 Roman Law .....	3	ITA 443G Survey of Italian Literature I .....	3	ANT 311 Global Dreams and Local Realities in a "Flat" World .....	3
CLA 524 The Latin Literature of the Republic (Subtitle required) .....	3	JOU 319 World Media Systems .....	3	ANT 332 Human Evolution .....	3
CLA 525 The Latin Literature of the Empire (Subtitle required) .....	3	JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .....	3	ANT 333 Contemporary Human Variation .....	3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) .....	3	JPN 420G Pre-Modern Literary and Visual Arts of Japan .....	3	ANT 338 Economic Anthropology .....	3
CLA 551 Greek Poetry and Drama (Subtitle required) .....	3	JPN 421G Contemporary Literary and Visual Arts of Japan .....	3	ANT 350 Topics in Anthropology (Subtitle required) ^ .....	3
CLA 555 Greek Prose (Subtitle required) .....	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .....	3	ANT 351 Special Topics in Archaeology (Subtitle required) ^ .....	3
ENG 261 Survey of Western Literature from the Greeks through the Renaissance .....	3	MAT 247 Dress and Culture .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required) ^ .....	3
ENG 262 Survey of Western Literature from 1660 to the Present .....	3	MCL 270 Introduction to Folklore and Mythology .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required) ^ .....	3
ENG 330 Text and Context (Subtitle required) ^ .....	3	MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .....	3	ANT 375 Ecology and Social Practice .....	3
ENG 331 Survey of British Literature I .....	3	MUS 330 Music in the World (Subtitle required) ^ .....	3		
ENG 332 Survey of British Literature II .....	3	PHI 343 Asian Philosophy .....	3		
ENG 333 Studies in a British Author or Authors (Subtitle required) .....	3	PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3		
ENG 340 Shakespeare .....	3	PHI 516 Contemporary Philosophy: Phenomenological Directions .....	3		
ENG 481G Studies in British Literature (Subtitle required) .....	3	RUS 270 Russian Culture 900-1900 .....	3		
EPE 554 Culture, Education and Teaching Abroad .....	3	RUS 271 Russian Culture 1900-Present .....	3		
FA 501 Arts-Study Tour ^ .....	3	RUS 370 Russian Folklore (in English) .....	3		

ANT 490 Anthropological Research Methods .....	3	SOC 435 Topics in Social Inequalities (Subtitle required)^ .....	3	ANT 490 Anthropological Research Methods .....	3
GEO 222 Cities of the World .....	3	SOC 444 Topics in Political Sociology (Subtitle required)^ .....	3	CHI 320 Gender Politics in Chinese Literature .....	3
GEO 231 Environment and Development .....	3	SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required) .....	3	FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)^ .....	3
GEO 235 Environmental Management and Policy .....	3	SW 320 Global Poverty: Responses Across Cultures .....	3	FR 350 Francophone Cultures (Subtitle required)^ .....	3
GEO 331 Global Environmental Change .....	3	<i>*Course is from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.</i>		FR 465G Topics in French Literature and Culture in Translation (Subtitle required)^ .....	3
GEO 365 Special Topics in Regional Geography (Subtitle required)^ .....	3	<b>International Commerce</b>		GER 352 German-Speaking Europe (Subtitle required)^ .....	3
GEO 406G Field Studies (Subtitle required)^ .....	1-9	The International Commerce concentration focuses on the issues of managing global businesses, such as the effects of differences in national requirements, cultural expectations, economic structures and governance.		GWS 250 Social Movements .....	3
GEO 431 Political Ecology .....	3	AEC 309 International Agricultural, World Food Needs, and U.S. Trade in Agricultural Products .....	3	HIS 521 European Social History, 1400-1800 .....	3
GEO 530 Biogeography and Conservation .....	3	AEC 510 International Trade and Agricultural Marketing .....	3	HIS 529 Women in Modern Europe .....	3
GEO 531 Landscape Ecology .....	3	ECO 465G Comparative Economic Systems* .....	3	HIS 563 The History of Women in Latin America .....	3
GEO 550 Sustainable Resource Development and Environmental Management .....	3	ECO 471 International Trade* .....	3	JPN 451G Social Movements in Modern Japan .....	3
HIS 595 Studies in History .....	3	ECO 473G Economic Development* .....	3	MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .....	3
JPN 334 Environment, Society and Economy of Japan .....	3	FIN 423 International Finance* .....	3	PS 391 Special Topics in Political Science (Subtitle required)^ .....	3
JPN 491G Japanese Landscapes .....	3	FR 307 French for Business and Economics .....	3	PS 437G Dynamics of International Law .....	3
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .....	3	GEO 255 Geography of the Global Economy .....	3	SOC 435 Topics in Social Inequalities (Subtitle required)^ .....	3
PS 391 Special Topics in Political Science (Subtitle required)^ .....	3	GEO 551 Japanese Multinational Corporations .....	3	SOC 444 Topics in Political Sociology (Subtitle required)^ .....	3
PS 433G Politics of International Economic Relations .....	3	GER 310 German for International Business and Professions .....	3	SPA 438G Literature of Social Protest in Spanish America .....	3
PS 437G Dynamics of International Law .....	3	JPN 334 Environment, Society and Economy of Japan .....	3	SW 320 Global Poverty: Responses Across Cultures .....	3
SAG 201 Cultural Perspectives on Sustainability .....	3	MAT 470 International Merchandizing .....	3	<i>^The subtitle for this course must directly relate to the Human Rights and Social Movements Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>	
SAG 490 Integration of Sustainable Agriculture Principles .....	3	MGT 309 Introduction to International Business* .....	3	<b>Area Concentrations</b>	
SPA 312 Civilization of Spain .....	3	MKT 435 International Marketing* .....	3	(12-15 credit hours in <b>one</b> theme and from at least two departments)	
SPA 314 Civilization of Spanish America .....	3	PS 433G Politics of International Economic Relations .....	3	<b>Africa and the Middle East</b>	
<i>^The subtitle for this course must directly relate to the Global Environment Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>		RUS 530 Business Russian .....	3	A-H 308 Studies in African Arts (Subtitle required) .....	3
<b>International Development</b>		SPA 302 Commercial and Technical Spanish .....	3	A-H 527 Interdisciplinary Approaches (Subtitle required)^ .....	3
International Development concentration focuses on the developing world and examines development in relation to socio-political and socio-economic growth.		<i>*Courses are from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.</i>		AIS 328 Islamic Civilization I .....	3
ANT 311 Global Dreams and Local Realities in a "Flat" World .....	3	<b>Human Rights and Social Movements</b>		AIS 330 Islamic Civilization II .....	3
ANT 338 Economic Anthropology .....	3	The Human Rights and Social Movements concentration focuses on international struggles for political, social, and economic equality and international efforts to guarantee human rights by placing them into cross-cultural, interdisci- plinary, and historical perspectives.		AIS 331 Classical Arabic Literature (Subtitle required) .....	3
ANT 340 Development and Change in the Third World .....	3	AIS 338 Women and Islam .....	3	AIS 435 Topics in Islamic Studies (Subtitle required)^ .....	3
ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	AIS 340 Fundamentalism and Reform in Islam .....	3	AIS 440 Introduction to the Quran .....	3
ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	ANT 311 Global Dreams and Local Realities in a "Flat" World .....	3	ANT 326 People and Cultures of Sub-Saharan Africa .....	3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	ANT 340 Development and Change in the Third World .....	3	ANT 350 Topics in Anthropology (Subtitle required)^ .....	3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3
ANT 433 Social Organization .....	3	ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3
ANT 490 Anthropological Research Methods .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3
ANT 525 Applied Anthropology .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	FA 501 Arts-Study Tour^ .....	3
ANT 532 Anthropology of the State .....	3	ANT 401 Gender Roles in Cross-Cultural Perspective .....	3	FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required) .....	3
COM 462 Intercultural Communication .....	3	ANT 429 Survey of Medical Anthropology .....	3	FR 350 Francophone Cultures (Subtitle required) .....	3
ECO 473G Economic Development* .....	3	ANT 433 Social Organization .....	3	GEO 328 Geography of the Middle East and North Africa .....	3
EPE 555 Comparative Education .....	3	ANT 435 Cultures and Politics of Reproduction .....	3	GEO 336 Geography of Sub-Saharan Africa .....	3
GEO 222 Cities of the World .....	3	ANT 440 Anthropological Perspectives on Child Growth .....	3	HIS 247 History of Islam and Middle East Peoples, 500-1250 AD .....	3
GEO 231 Environment and Development .....	3			HIS 248 History of Islam and Middle East Peoples, 1250 to the Present .....	3
GEO 255 Geography of the Global Economy .....	3			HIS 254 History of Sub-Saharan Africa .....	3
GEO 260 Geographies of Development in the Global South .....	3			HIS 355 Topics in Non-Western History Since 1789^ .....	3
GEO 431 Political Ecology .....	3				
JPN 461G Japanese Colonialism and its Legacies .....	3				
MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence .....	3				
PS 391 Special Topics in Political Science (Subtitle required)^ .....	3				
PS 433G Politics of International Economic Relations .....	3				
PS 436G International Organization .....	3				
SOC 380 Globalization: A Cross-Cultural Perspective .....	3				

HIS 548 History of the Middle East: 1453-1920 .....	3	JPN 405 Seminar in Japanese and Asian Studies (Subtitle required) .....	3	ENG 333 Studies in a British Author or Authors (Subtitle required) .....	3
HIS 549 History of the Middle East: 1952 to Present .....	3	JPN 420G Pre-Modern Literary and Visual Arts of Japan .....	3	ENG 340 Shakespeare .....	3
HIS 550 Studies in the Mid-East History and Politics (Subtitle required) .....	3	JPN 421G Contemporary Literary and Visual Arts of Japan .....	3	ENG 481G Studies in British Literature (Subtitle required) .....	3
HIS 551 Foreign Policies of Middle East States .....	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship .....	3	FA 501 Arts-Study Tour^ .....	3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3	JPN 451G Social Movements in Modern Japan .....	3	FR 350 Francophone Cultures (Subtitle required)^ .....	3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3	JPN 461G Japanese Colonialism and Its Legacies .....	3	FR 465G Topics in French Literature and Culture in Translation (Subtitle required)^ .....	3
HJS 327 Women in Judaism .....	3	JPN 491G Japanese Landscapes .....	3	FR 470G Topical Seminar I (Subtitle required)^ .....	3
HJS 425 Topics in Judaic Studies (Subtitle required)^ .....	3	JPN 551 Japanese Multinational Corporations .....	3	GEO 326 Geography of Europe .....	3
MUS 330 Music in the World (Subtitle required)^ .....	3	MUS 330 Music in the World (Subtitle required)^ .....	3	GEO 365 Special Topics in Regional Geography (Subtitle required)^ .....	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3	PHI 343 Asian Philosophy .....	3	GER 263 The German Cultural Tradition I .....	3
PS 410 Topics in Regional Politics (Subtitle required)^ .....	3	PS 410 Topics in Regional Politics (Subtitle required)^ .....	3	GER 264 The German Cultural Tradition II .....	3
PS 417G Survey of Sub-Saharan Politics .....	3	PS 419G The Governments and Politics of Eastern Asia .....	3	GER 311 Introduction to German Literature: Themes (Subtitle required) .....	3
<i>^The subtitle for this course must directly relate to the Africa and the Middle East Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>		PS 420G Governments and Politics of South Asia .....	3	GER 312 Introduction to German Literature: Popular Forms .....	3
<b>East, South, and Southeast Asia</b>		TA 584 Asian Theatre .....	3	GER 317 History of German Culture .....	3
A-H 310 Asian Art and Culture (Subtitle required) .....	3	<i>^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.</i>		GER 319 Contemporary German Literature and Culture .....	3
A-H 527 Interdisciplinary Approaches (Subtitle required)^ .....	3	<b>Europe</b>		GER 352 German-Speaking Europe (Subtitle required) .....	3
AIS 328 Islamic Civilization I .....	3	A-H 334 Reframing Renaissance Art (Subtitle required) .....	3	GER 361 German Cinema .....	3
AIS 330 Islamic Civilization II .....	3	A-H 527 Interdisciplinary Approaches (Subtitle required)^ .....	3	GER 363 Germanic Mythology .....	3
AIS 331 Classical Arabic Literature (in English) .....	3	ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	GER 415G Major German Authors (Subtitle required) .....	3
AIS 338 Women and Islam .....	3	ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	GER 416G Genres of German Literature .....	3
AIS 340 Fundamentalism and Reform in Islam .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	GER 420G Special Studies in German Literary and Cultural History (Subtitle required) .....	3
AIS 435 Topics in Islamic Studies (Subtitle required)^ .....	3	ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	GER 520 Special Topics Seminar .....	3
AIS 440 Introduction to the Quran .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	HIS 202 History of British People to the Restoration .....	3
ANT 327 Culture and Societies of India .....	3	ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	HIS 203 History of British People Since the Restoration .....	3
ANT 350 Topics in Anthropology (Subtitle required)^ .....	3	CLA 210 The Art of Greece and Rome .....	3	HIS 208 History of the Atlantic World .....	3
ANT 351 Special Topics in Archaeology (Subtitle required)^ .....	3	CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great .....	3	HIS 230 The Hellenistic World and Rome to the Death of Constantine .....	3
ANT 352 Special Topics in Cultural Anthropology (Subtitle required)^ .....	3	CLA 230 The Hellenistic World and Rome to the Death of Constantine .....	3	HIS 323 The Holocaust .....	3
ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)^ .....	3	CLA 261 Literary Masterpieces of Greece and Rome .....	3	HIS 352 Topics in European History Before 1789 .....	3
CHI 320 Gender Politics in Chinese Literature .....	3	CLA 301 Latin Literature I (Subtitle required) .....	3	HIS 353 Topics in European History Since 1789 .....	3
CHI 321 Introduction to Contemporary Chinese Film .....	3	CLA 302 Latin Literature II (Subtitle required) .....	3	HIS 370 Early Middle Ages .....	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3	CLA 331 Gender and Sexuality in Antiquity .....	3	HIS 371 Later Middle Ages .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3	CLA 382 Greek and Roman Religion .....	3	HIS 500 Preclassical and Classical Greece .....	3
CHI 430 Popular Culture in Modern China .....	3	CLA 390 Backgrounds to and Early History of Christianity to 150 CE .....	3	HIS 501 Fourth Century Greece and the Hellenistic World .....	3
FA 501 Arts-Study Tour^ .....	3	CLA 391 Christians in the Roman Empire .....	3	HIS 502 A History of the Roman Republic .....	3
GEO 330 Geography of the Indian Subcontinent .....	3	CLA 450G Special Topics in Classical Studies (Subtitle required) .....	3	HIS 503 A History of the Roman Empire .....	3
GEO 332 Geography of Southeast Asia .....	3	CLA 462G Topics in Classical Literature (Subtitle required) .....	3	HIS 504 Greek and Roman Medicine .....	3
GEO 333 Geography of East Asia .....	3	CLA 480G Studies in Greek and Latin Literature (Subtitle required) .....	3	HIS 509 Roman Law .....	3
GEO 334 Environment, Society and Economy of Japan .....	3	CLA 509 Roman Law .....	3	HIS 512 Carolingian Empire .....	3
GEO 365 Special Topics in Regional Geography (Subtitle required)^ .....	3	CLA 524 The Latin Literature of the Republic (Subtitle required) .....	3	HIS 514 Spain: From Reconquest to Empire, 1200-1700 .....	3
GEO 406G Field Studies (Subtitle required)^ .....	1-9	CLA 525 The Latin Literature of the Empire (Subtitle required) .....	3	HIS 519 The Era of the Renaissance .....	3
HIS 295 East Asia to 1800 .....	3	CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required) .....	3	HIS 521 European Social History, 1400-1800 .....	3
HIS 296 East Asia Since 1600 .....	3	CLA 551 Greek Poetry and Drama (Subtitle required) .....	3	HIS 522 Europe and the World in the Age of Revolution (1760-1815) .....	3
HIS 355 Topics in Non-Western History Since 1789^ .....	3	CLA 555 Greek Prose (Subtitle required) .....	3	HIS 525 Modern Europe: 1890-1939 .....	3
HIS 593 East Asian History Since World War II .....	3	ENG 261 Survey of Western Literature from the Greeks through the Renaissance .....	3	HIS 526 Europe Since 1939 .....	3
HIS 598 China in Revolution, 1895-1976 .....	3	ENG 262 Survey of Western Literature from 1660 to the Present .....	3	HIS 529 Women in Modern Europe .....	3
JPN 320 Introduction to Japanese Culture Pre-Modern to 1868 .....	3	ENG 330 Text and Context (Subtitle required)^ .....	3	HIS 540 History of Modern France to 1815 .....	3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present .....	3	ENG 331 Survey of British Literature I .....	3	HIS 541 History of Modern France Since 1815 .....	3
JPN 334 Environment, Society and Economy of Japan .....	3	ENG 332 Survey of British Literature II .....	3	HIS 542 German History, 1789-1918 .....	3
				HIS 543 German History Since 1918 .....	3
				HIS 546 The Byzantine Empire .....	3
				HIS 552 Tudor-Stuart Britain, 1485-1714 .....	3
				HIS 553 Eighteenth Century Britain .....	3
				HIS 554 British History 1815-1901 .....	3
				HIS 555 British History Since 1901 .....	3
				HIS 556 The British Empire, 1322-1879 .....	3
				HIS 557 British Empire and Commonwealth, 1880-2000 .....	3



HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3
HJS 425 Topics in Judaic Studies (Subtitle required) .....	3
ITA 263 Masterpieces of Italian Literature in Translation .....	3
ITA 443G Survey of Italian Literature I .....	3
PS 410 Topics in Regional Politics (Subtitle required)^ .....	3
PS 427G East European Politics .....	3
SPA 262 Spanish Literature in Translation (Subtitle required) .....	3
SPA 312 Civilization of Spain .....	3
SPA 320 Literature, Life and Thought of Spain .....	3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)^ .....	3
SPA 420 Spanish in the World .....	3
SPA 424 Medieval and Early Modern Spanish Studies .....	3
SPA 434 Spanish Literature of the 20th Century .....	3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required)^ .....	3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics .....	3
TA 485 French Theatre: Culture, Text and Performance .....	3

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

### Latin America

GEO 324 Geography of Central and South America and the Caribbean .....	3
GEO 406G Field Studies (Subtitle required)^ .....	3
HIS 206 History of Colonial Latin America, 1492-1810 .....	3
HIS 207 History of Modern Latin America, 1810 to Present .....	3
HIS 562 Modern Mexico .....	3
HIS 563 The History of Women in Latin America .....	3
PS 428G Latin American Government and Politics .....	3
PS 538 Conflict and Cooperation in Latin American Relations .....	3
SPA 314 Civilization of Spanish America .....	3
SPA 322 Literature, Life and Thought of Spanish America .....	3
SPA 361 Latin American Literature in Translation (Subtitle required) .....	3
SPA 371 Latin American Cinema (Subtitle required) .....	3
SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)^ .....	3

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

### Russia and Eurasia

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

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

### Foreign Language – International Economics (FLIE)

Foreign Language – International Economics is a program of study that combines foreign language proficiency with training in economics. The FLIE major prepares students for employment in economic positions internationally.

Students who choose the FLIE concentration are not required to complete the six hour Pathways requirement. The Language Competency requirement will also be complete with FLIE courses. Students will complete the Economics Core Requirement and **one** of the Language Core Concentrations.

### Economics Core Requirement

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

**Plus** two of the following:

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

### Language Core Requirement

Choose **one** of the following language concentrations.

#### French

FR 307 French for Business and Economics .....	3
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**Plus** 14 hours from the following list:

FR 204 Introduction to French and Francophone Studies .....	3
FR 310 French Phonetics .....	3
FR 350 Francophone Cultures (Subtitle required)^ .....	3
FR 470G Topical Seminar I (Subtitle required) .....	3

FR 504 Topics in French Literature and Culture (Subtitle required) .....	3
FR 507 Interpretation and Style .....	3
FR 550 France Today .....	3

#### German

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

**Plus** 12 hours from the following list:

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

#### Japanese

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

**Plus** 12 hours from the following list:

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

#### Russian

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

**Plus** one of the following courses:

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

**Plus** 9 hours from the following list:

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

HIS 536 Intellectual and Cultural History of Russia to 1800 ..... 3  
 HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present ..... 3  
 PS 429G Government and Politics in Russia and the Post-Soviet States ..... 3  
 RUS 370 Russian Folklore (in English) ..... 3  
 RUS 375 Seminar in Russian Film ..... 3  
 RUS 460G Major Russian Writers (Subtitle required) ..... 3  
 RUS 463 Russian Film and Theatre (Subtitle required) ..... 3  
 RUS 499 Russian Studies Capstone Seminar (Subtitle required) ..... 3  
 RUS 501 Structure of Russian ..... 3  
 RUS 502 Structure of Russian ..... 3

**Spanish**

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

**Distribution Requirements**

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.
2. Students must apply to 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.

**Minor in International Studies**

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

**B.A. or B.S. with a major in JAPANESE LANGUAGE AND LITERATURE**

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

**LINGUISTICS**

Linguistics is an interdisciplinary program combining resources from English, anthropology, psychology, philosophy, computer science, and the foreign languages, to develop an understanding of the nature and implications of human language. The Linguistics program provides solid foundations in phonological and grammatical analysis, as well as opportunities to investigate the social, cultural, psychological, and physical aspects of language use.

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
  - II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3
  - III. Intellectual Inquiry in the Social Sciences**  
Choose one ANT or SOC course from approved list ..... 3
  - IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3
  - V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3
  - VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3
  - VII. Quantitative Foundations**  
Choose one course from approved list ..... 3
  - VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3
  - IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3
  - X. Global Dynamics**  
Choose one course from approved list ..... 3
- UK Core Hours ..... 30**

**Graduation Writing Requirement**

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

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

**College Requirements**

- I. Foreign Language (*completed by Premajor Requirements*)
  - II. Disciplinary Requirements
    - a. Natural Science ..... 6
    - b. Social Science ..... 6
    - c. Humanities (*completed by Major Requirements*)
  - III. Laboratory or Field Work ..... 1
  - IV. Electives ..... 6
- College Requirement hours: ..... 19**

**Premajor Requirements**

- Complete the third and fourth semesters of a foreign language (or the equivalent) ..... 6-8
- Premajor hours: ..... 6-8**

**Major Requirements**

**Major Core Requirements**  
 LIN 211 Introduction to Linguistics I ..... 3  
 LIN 212 Introduction to Linguistics II ..... 3

**plus** four major area courses:  
 LIN 500 Phonetics ..... 3  
 LIN 505 Linguistic Morphology ..... 3  
 LIN 512 Analysis of English Syntax ..... 3  
 LIN 515 Phonological Analysis ..... 3

**plus** fifteen additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses ..... 15

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

**Other Course Work Required for the Major**

**For the Related Component:**

Choose fifteen hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program ..... 15

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

**Electives**

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

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

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

**120 hours (minimum)**

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

**UK Core Requirements**

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

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
- II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3
- III. Intellectual Inquiry in the Social Sciences**  
Choose one ANT or SOC course from approved list ..... 3
- IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3
- V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

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

**VII. Quantitative Foundations**

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

**VIII. Statistical Inferential Reasoning**

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

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

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

**X. Global Dynamics**

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

**UK Core Hours** ..... 30**Graduation Writing Requirement**

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

**Graduation Writing Requirement Hours:** ..... 3**College Requirements**I. Foreign Language (*completed by Premajor Requirements*)

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*)

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

IV. Electives ..... 6

**College Requirement hours:** ..... 13**Premajor Requirements**

Complete the third and fourth semesters of a foreign language (or the equivalent) ..... 6-8

**Premajor hours:** ..... 6-8**Major Requirements****Major Core Requirements**

LIN 211 Introduction to Linguistics I ..... 3

LIN 212 Introduction to Linguistics II ..... 3

**plus** four major area courses:

LIN 500 Phonetics ..... 3

LIN 505 Linguistic Morphology ..... 3

LIN 512 Analysis of English Syntax ..... 3

LIN 515 Phonological Analysis ..... 3

**plus** fifteen additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses ..... 15**Major Core hours:** ..... 33**Other Course Work Required for the Major****For the Related Component:**

Choose fifteen hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program ..... 15

**Other Major hours:** ..... 15**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 12

**Total Minimum Hours****Required for Degree** ..... 120**Minor in Linguistics**

The minor in linguistics requires 18 hours of course work to be selected as follows:

1. ENG/LIN 211

2. ENG/LIN 212

**Major Area Courses** (6 hours):

Choose from: LIN 509, ENG/LIN 515, ENG/LIN 516, ENG/LIN 512, EDC/ENG/LIN 513.

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

**MATHEMATICAL ECONOMICS**

The mathematical economics major offers students a degree program that combines mathematics, statistics, and economics. In today's increasingly complicated international business world, a strong preparation in the fundamentals of both 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 119.

**UK Core Requirements**

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

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

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

**II. Intellectual Inquiry in the Humanities**

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

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

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

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3**College Requirements**I. Foreign Language (*placement exam recommended*) ..... 0-14

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science (*completed by Major Requirements*)

c. Humanities ..... 6

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 19-33**Premajor Requirements**

\*MA 113 Calculus I ..... 4

MA 114 Calculus II ..... 4

**Premajor hours:** ..... 8

**Major Requirements**

**Mathematics Core Requirements**

MA 213 Calculus III ..... 4  
 MA 214 Calculus IV ..... 3  
 MA 320 Introductory Probability ..... 3  
 MA 322 Matrix Algebra and its Applications ..... 3

**Mathematics Core hours:** ..... 13

**Economics Core Requirements**

ECO 201 Principles of Economics I ..... 3  
 ECO 202 Principles of Economics II ..... 3  
 ECO 391 Economic and Business Statistics ..... 3  
 ECO 401 Intermediate Microeconomic Theory ..... 3  
 ECO 402 Intermediate Macroeconomic Theory ..... 3

**Economics Core hours:** ..... 15

**Other Course Work Required for the Major**

**For the Mathematics Component:**

Choose one of the following sequences: MA 416G and MA 417G, MA 471G and MA 472G, or STA 524 and STA 525 ..... 6

**For the Economics Component**

Choose nine hours of 300+ level economics courses ..... 9

**For the Statistics Component**

Choose STA 291 or a higher level statistics course ..... 3

**Other Major hours:** ..... 18

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 9

**Total Minimum Hours Required for Degree** ..... 120

*\*Course used towards completion of a UK Core Requirement.*

**Bachelor of Science with a major in MATHEMATICAL ECONOMICS**

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ECO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

**College Requirements**

I. Foreign Language (*placement exam recommended*) ..... 0-14  
 II. Disciplinary Requirements ..... 3  
     a. Natural Science ..... 3  
     b. Social Science (*completed by Major Requirements*) ..... 3  
     c. Humanities ..... 3  
 III. Laboratory or Field Work ..... 1  
 IV. Electives ..... 6

**College Requirement hours:** ..... 13-27

**Premajor Requirements**

\*MA 113 Calculus I ..... 4  
 MA 114 Calculus II ..... 4

**Premajor hours:** ..... 8

**Major Requirements**

**Mathematics Core Requirements**

MA 213 Calculus III ..... 4  
 MA 214 Calculus IV ..... 3  
 MA 320 Introductory Probability ..... 3  
 MA 322 Matrix Algebra and its Applications ..... 3

**Mathematics Core hours:** ..... 13

**Economics Core Requirements**

ECO 201 Principles of Economics I ..... 3  
 ECO 202 Principles of Economics II ..... 3  
 ECO 391 Economic and Business Statistics ..... 3  
 ECO 401 Intermediate Microeconomic Theory ..... 3  
 ECO 402 Intermediate Macroeconomic Theory ..... 3

**Economics Core hours:** ..... 15

**Other Course Work Required for the Major**

**For the Mathematics Component:**

Choose one of the following sequences: MA 416G and MA 417G, MA 471G and MA 472G, or STA 524 and STA 525 ..... 6

**For the Economics Component**

Choose nine hours of 300+ level economics courses ..... 9

**For the Statistics Component**

Choose STA 291 or a higher level statistics course ..... 3

**Other Major hours:** ..... 18

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 12

**Total Minimum Hours Required for Degree** ..... 120

*\*Course used towards completion of a UK Core Requirement.*

**MATHEMATICS**

The department offers two programs leading to the B.A. or B.S. degree. Students may major in mathematics by completing the requirements for either: Option A, Mathematics or Option B, Mathematical Sciences.

The mathematics option consists of courses offered solely by the department of mathematics and is intended for those who wish to follow a traditional mathematics career path. The mathematical sciences option consists of courses offered by the departments of computer science, mathematics and statistics, and is intended for those who opt for a career that requires the application of mathematics. The requirements for these programs are outlined below.

**Bachelor of Arts with a major in MATHEMATICS**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

MA 113 Calculus I ..... 4

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 31**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3**College Requirements**I. Foreign Language (*placement exam recommended*) ..... 0-14

## II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science ..... 6

c. Humanities ..... 6

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 25-39**OPTION A - Mathematics****Premajor Requirements**

\*MA 113 Calculus I ..... 4

MA 114 Calculus II ..... 4

CS 115 Introduction to Computer Programming ..... 3

**Premajor hours:** ..... 11**Major Requirements****Major Core Requirements**

MA 213 Calculus III ..... 4

MA 214 Calculus IV

**or**

MA 261 Introduction to Number Theory ..... 3

MA 322 Matrix Algebra and its Applications ..... 3

**Major Core hours:** ..... 10**Other Course Work Required for the Major****From the Major Department:**

Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G.

May not include MA 322. .... 18

**From Outside the Major Department**

Choose 14 hours outside Mathematics at the 300+ level. Courses are generally chosen from physics, chemistry, biology, logic, statistics, computer science, economics, and engineering. 200+ level courses used to satisfy College requirements can also be counted here ..... 14

**Other Major hours:** ..... 32**OPTION B - Mathematical Sciences****Premajor Requirements**

\*MA 113 Calculus I

**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

**plus a two-semester sequence chosen from the following:**

MA/CS 340 Applicable Algebra

**and**

MA/CS 415G Combinatorics and Graph Theory

MA 432G Methods of Applied Mathematics I

**and**

MA 433G Introduction to Complex Variables

MA 481G Differential Equations

**and**

MA 483G Introduction to Partial Differential Equations

MA/CS 416G Principles of Operations Research I

**and**

MA/STA 417G Principles of Operations Research II ..... 6

**Major Core hours:** ..... 29**Other Course Work Required for the Major****From the Major Department:**

Choose six hours of acceptable MA courses at the 300 level and above (MA 308 may not be used) ..... 6

**From Outside the Major Department**

Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement ... 9

**Other Major hours:** ..... 15**Total Minimum Hours****Required for Degree** ..... 120*\*Course used towards completion of a UK Core Requirement.***Bachelor of Science with a major in MATHEMATICS****120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**See the *UK Core* section of this *Bulletin* for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

MA 113 Calculus I ..... 4

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 31**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3**College Requirements**I. Foreign Language (*placement exam recommended*) ..... 0-14

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities ..... 3

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 16-30**OPTION A - Mathematics****Premajor Requirements**

\*MA 113 Calculus I ..... 4

MA 114 Calculus II ..... 4

CS 115 Introduction to Computer Programming ..... 3

**Premajor hours:** ..... 11**Major Requirements****Major Core Requirements**

MA 213 Calculus III ..... 4

MA 214 Calculus IV

**or**

MA 261 Introduction to Number Theory ..... 3

MA 322 Matrix Algebra and its Applications ..... 3

**Major Core hours:** ..... 10**Other Course Work Required for the Major****From the Major Department:**

Choose 18 hours of 300+ level mathematics courses. One of the following sequences, or a substitute approved by the Director of Undergraduate Studies, must be included: MA 351/352, MA 361/362, MA 471G/472G, MA 481G/483G, CS/MA 416G and MA/STA 417G; at least two of the following must be included (they can also count as the sequence if appropriate): MA 351, 352, 361, 362, 471G, 472G.

May not include MA 322. .... 18

**From Outside the Major Department**

Choose 14 hours outside Mathematics at the 300+ level. Courses are generally chosen from physics, chemistry, biology, logic, statistics, computer science, economics, and engineering. 200+ level courses used to satisfy College requirements can also be counted here ..... 14

**Other Major hours:** ..... 32

**OPTION B - Mathematical Sciences**

**NOTE:** At the time of publication, Option B of the B.S. in Mathematics program was provisionally revised; formal approval is expected in Fall 2012.

**Premajor Requirements**

- \*MA 113 Calculus I  
or  
\*MA 137 Calculus I with Life Science Applications ..... 4
  - MA 114 Calculus II  
or  
MA 138 Calculus II with Life Science Applications ..... 4
  - CS 115 Introduction to Computer Programming ..... 3
- Premajor hours:** ..... 11

**Major Requirements**

- CS 215 Introduction to Program Design, Abstraction and Problem Solving ..... 4
- MA 213 Calculus III ..... 4
- MA 214 Calculus IV ..... 3
- MA/STA 320 Introductory Probability ..... 3
- MA/CS 321 Introduction to Numerical Methods ..... 3
- MA 322 Matrix Algebra and its Applications ..... 3
- STA 321 Basic Statistical Theory I ..... 3

**plus** a two-semester sequence chosen from the following:

- MA/CS 340 Applicable Algebra  
and  
MA/CS 415G Combinatorics and Graph Theory
- MA 432G Methods of Applied Mathematics I  
and  
MA 433G Introduction to Complex Variables
- MA 481G Differential Equations  
and  
MA 483G Introduction to Partial Differential Equations
- MA/CS 416G Principles of Operations Research I  
and  
MA/STA 417G Principles of Operations Research II ..... 6

**Major Core hours:** ..... 29

**Other Course Work Required for the Major**

**From the Major Department:**

Choose six hours of acceptable MA courses at the 300 level and above (MA 308 may not be used) ..... 6

**From Outside the Major Department**

Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement ... 9

**Other Major hours:** ..... 15

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 0-9

**Total Minimum Hours Required for Degree** ..... 120

*\*Course used towards completion of a UK Core Requirement.*

**Mathematics Cooperative Education**

Qualified students who major in mathematics may participate in the Mathematical Sciences Cooperative Education Program which provides the opportunity for alternate semesters of academic study and full-time employment in business or industry. Guidelines and application forms are available in the Engineering/Math Sciences Co-op Program Office, 320 Robotics Building.

**Minor in Mathematics**

Students who minor in mathematics must complete the following:

1. MA 113/114 Calculus I and II **and** ..... 8  
MA 213 Calculus III ..... 4  
**or equivalent**
2. MA 322 Matrix Algebra and Its Applications ..... 3  
**or equivalent**
3. Six additional hours of mathematics courses numbered greater than 213. Possible courses include: MA 214, MA 261, MA 320, MA 321, MA 330, MA 341, MA 351, MA 361, or any 400 level math course.

**MILITARY SCIENCE AND LEADERSHIP (Army Officer Commissioning)**

The Army Reserve Officers' Training program at the University of Kentucky is open to both men and women and follows a general military science curriculum that is normally completed in four years but which may be completed in two years. An academic major in military science is not offered. The program's primary objective is to commission the future leadership of the line branches of the Active Army, Army National Guard, and U.S. Army Reserve.

**Scholarships**

Students interested in Army ROTC scholarships should contact the Army ROTC 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, and continuous enrollment (or participation) in KHP 107 and AMS 250 or 350 once contracted in the ROTC program. Also, cadets attend a five-week Leadership Development Assessment Course, usually in the summer between the junior and senior years.

An alternative two-year program is available for students with at least two academic years remaining until graduation and who have not completed the AMS 100- and AMS 200-level courses. 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 \$450+ per month tax-free subsistence pay during the academic year. During the summer, students receive about \$700 while attending Camp.

Leadership Lab periods, held weekly during the academic year, and on one Saturday per semester, focus on adventure-type training (e.g., orienteering, rappelling, survival training, and basic marksmanship). These activities are offered, subject to availability of equipment and facilities, to provide an opportunity to develop leadership, organizational abilities, and confidence.

Professional development and enrichment opportunities are also available through ROTC-sponsored university organizations – the Pershing Rifles and Kentucky Rangers.

Army ROTC incorporates the dimension of leadership into the academic curriculum and provides training and experience that can be valuable in any profession.

For more information, contact the Professor of Military Science, ATTN: Admissions Officer, U.S. Army ROTC, 101 Barker Hall, University of Kentucky, Lexington, KY 40506-0028; or call (859) 257-6864. Visit the Web site at: [www.uky.edu/armyrotc/](http://www.uky.edu/armyrotc/).

## MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

The Department of Modern and Classical Languages, Literatures and Cultures is comprised of the Divisions of Classics, French and Italian, German Studies, and Russian and Eastern Studies (including Arabic and Islamic Studies, Chinese Studies, Hebrew/Jewish Studies, Japan Studies, Russian Studies). For information on the Arabic and Islamic studies minor and majors/minors in Chinese studies, Japan studies and Russian studies, see Russian and Eastern Studies.

## CLASSICS

The Division of Classics offers a Bachelor of Arts and a Bachelor of Science degree in Classics. The division teaches a broad range of courses in the languages, literature, history, art, and thought of the Greco-Roman world, and encourages majors to take relevant courses in other departments and disciplines as part of their major. Access the division's Web site at: [mcl.as.uky.edu/classics](http://mcl.as.uky.edu/classics) for more information.

### Bachelor of Arts with a major in CLASSICS

#### 120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

#### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

##### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

##### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

##### III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..... 3

##### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

##### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

##### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

##### VII. Quantitative Foundations

Choose one course from approved list ..... 3

#### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

#### IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ..... 3

#### X. Global Dynamics

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

#### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

#### College Requirements

I. Foreign Language (*completed by Major Requirements*)

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science ..... 6

c. Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 19

#### Premajor Requirements

CLA 101 and 102 Elementary Latin

or equivalent

OR

CLA 151 and 152 Elementary Greek

or equivalent ..... 8

**Premajor hours:** ..... 8

#### Major Requirements

##### Courses Within Classics

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent. Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA. (CLA 201/202 and CLA 251/252 contribute to this total.)

**Classics Courses hours:** ..... 18

##### Courses Outside of Classics

Complete 15 hours in courses appropriate to the field of study at the 200 level or above **not** prefixed CLA (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

**Non-Classics Courses hours:** ..... 15

##### Additional Courses (Elective)

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

**Additional Courses hours:** ..... 9

##### Upper Level Requirement

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

**Major hours:** ..... 42

#### Explanation of Major Requirements

At the discretion of the student's advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy and art history.

The Major requirements in Classics are fully satisfied if a student has:

1. Completed the Premajor Requirement.
2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).
3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.
4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.
5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.
6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

#### Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 18

#### Total Minimum Hours

Required for Degree ..... 120

### Bachelor of Science with a major in CLASSICS

#### 120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a CLA prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

#### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

##### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

##### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

##### III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..... 3

##### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

##### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

##### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

##### VII. Quantitative Foundations

Choose one course from approved list ..... 3

##### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

##### IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ..... 3

##### X. Global Dynamics

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

- I. Foreign Language (*completed by Major Requirements*)
- II. Disciplinary Requirements
  - a. Natural Science ..... 3
  - b. Social Science ..... 3
  - c. Humanities (*completed by Major Requirements*)
- III. Laboratory or Field Work ..... 1
- IV. Electives ..... 6

**College Requirement hours: ..... 13**

**Premajor Requirements**

- CLA 101 and 102 Elementary Latin or equivalent
- OR**
- CLA 151 and 152 Elementary Greek or equivalent ..... 8

**Premajor hours: ..... 8**

**Major Requirements**

**Courses Within Classics**

Complete study of Latin to at least the level of CLA 202 or Greek to at least the level of CLA 252 or the equivalent. Complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA. (CLA 201/202 and CLA 251/252 contribute to this total.)

**Classics Courses hours: ..... 18**

**Courses Outside of Classics**

Complete 15 hours in courses appropriate to the field of study at the 200 level or above **not** prefixed CLA (courses cross-listed CLA also fulfill this requirement). A wide variety of courses are accepted; these are determined for each student in consultation with the Director of Undergraduate Studies.

**Non-Classics Courses hours: ..... 15**

**Additional Courses (Elective)**

Complete an additional 9 hours in courses at the 200 level or above either inside or outside Classics.

**Additional Courses hours: ..... 9**

**Upper Level Requirement**

At least 15 hours in the major must be in courses at the 300 level or above with either a CLA prefix, or with specific Classics content as determined by the Director of Undergraduate Studies. Of the 42 required major hours, at least 24 hours must be in courses at the 300 level or above.

**Major hours: ..... 42**

**Explanation of Major Requirements**

At the discretion of the student's advisor, other courses may be substituted for the courses listed as Courses Within Classics. These courses must be either CLA courses or non-CLA courses that deal with the classical world. The acceptable non-CLA courses are normally in the areas of history, philosophy and art history.

The Major requirements in Classics are fully satisfied if a student has:

1. Completed the Premajor Requirement.
2. Completed either CLA 202 (Intermediate Latin) or CLA 252 (Intermediate Greek).
3. Completed 15 hours in 300+ CLA and acceptable non-CLA courses.
4. Completed 15 hours in 200+ courses outside the field of Classics that appropriately complement the Classics courses.

5. Completed 9 additional hours in 200+ courses in the area of either Classics or complementary disciplines.
6. Accumulated 24 hours in 300+ courses among the courses used to satisfy items 3, 4, and 5 above.

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 21

**Total Minimum Hours Required for Degree ..... 120**

**Minor in Classics**

The requirements for a classics minor are 18 credit hours, at least six of which must be at the 300 level or above, earned from among the following courses:

1. Greek and Latin courses at any level.
2. Non-language courses taught by the division that are numbered 200 or higher.

All courses may be chosen from category 1, all from category 2, or the two categories may be combined in any manner, as long as students earn the requisite 18 credit hours.

**FRENCH**

French and Francophone literature and culture have influenced in crucial ways the formation of European, American, African and Caribbean thought and society. The UK Bachelor of Arts and Bachelor of Science degree in French situate students at the intersection of these cultures through exploration of their diverse literary, linguistic, social and philosophical traditions. The larger mission of this major is to prepare students to live and work in a global environment in which expert knowledge of other languages and cultures have become indispensable tools for success. For more information, visit the Division of French and Italian web site: [mcl.as.uky.edu/french-italian](http://mcl.as.uky.edu/french-italian)

**Bachelor of Arts with a major in FRENCH**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
- II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3

- III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3

- IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3

- V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

- VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

- VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

- VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3

- IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3

- X. Global Dynamics**  
Choose one course from approved list ..... 3

**UK Core Hours ..... 30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

- I. Foreign Language (*completed by Premajor Requirement*)
- II. Disciplinary Requirements
  - a. Natural Science ..... 6
  - b. Social Science ..... 6
  - c. Humanities (*completed by Major Requirements*)
- III. Laboratory or Field Work ..... 1
- IV. Electives ..... 6

**College Requirement hours: ..... 19**

**Premajor Requirements**

- FR 204 Introduction to French and Francophone Studies ..... 3
- FR 214 France Today
- or**
- FR 215 Visual Cultures ..... 3

**Premajor hours: ..... 6**

**Major Requirements**

- Fifteen** hours from the following courses:
- FR 310 French Phonetics ..... 3
  - FR 311 Introduction to French Linguistics ..... 3
  - FR 324 Studies in French Literature (Subtitle required) ..... 3
  - FR 325 French Cinema (Subtitle required) ..... 3
  - FR 344 The Literary Text (Subtitle required) ..... 3
  - FR 350 Francophone Cultures (Subtitle required) ..... 3

- plus:**
- FR 410 French in Performance
  - or**
  - FR 425 Media Studies ..... 3
  - FR 470G Topical Seminar I (Subtitle required) ..... 3
  - FR 471G Topical Seminar II (Subtitle required) ..... 3
  - FR 495 Senior Paper ..... 1

**plus** one course 200-level or above from French (including courses in English) or outside French, excluding language courses at the 100 or 200 level ..... 3

**Major hours: ..... 28**



**Other Course Work Required for the Major****From Outside the Major**

Choose minimum 14 hours outside French at the 300+ level. Courses are generally selected from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, Chinese, economics, English, German, Greek, geography, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies .... 14

**Other Major hours:** ..... 14

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 14

**Total Minimum Hours  
Required for Degree** ..... 120

**Bachelor of Science with a major in  
FRENCH****120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an FR prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical,  
and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

**College Requirements**

I. Foreign Language (*completed by Premajor Requirement*)

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 13

**Premajor Requirements**

FR 204 Introduction to French  
and Francophone Studies ..... 3

FR 214 France Today

or

FR 215 Visual Cultures ..... 3

**Premajor hours:** ..... 6

**Major Requirements**

**Fifteen** hours from the following courses:

FR 310 French Phonetics ..... 3

FR 311 Introduction to French Linguistics ..... 3

FR 324 Studies in French Literature  
(Subtitle required) ..... 3

FR 325 French Cinema (Subtitle required) ..... 3

FR 344 The Literary Text (Subtitle required) ..... 3

FR 350 Francophone Cultures (Subtitle required) ..... 3

**plus:**

FR 410 French in Performance

or

FR 425 Media Studies ..... 3

FR 470G Topical Seminar I (Subtitle required) ..... 3

FR 471G Topical Seminar II (Subtitle required) ..... 3

FR 495 Senior Paper ..... 1

**plus** one course 200-level or above from French (including courses in English) or outside French, excluding language courses at the 100 or 200 level ..... 3

**Major hours:** ..... 28

**Other Course Work Required for the Major****From Outside the Major**

Choose minimum 14 hours outside French at the 300+ level. Courses are generally selected from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, Chinese, economics, English, German, Greek, geography, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies .... 14

**Other Major hours:** ..... 14

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 14

**Total Minimum Hours  
Required for Degree** ..... 120

**Minor in French**

The minor in French consists of a minimum of 18 hours in French language and literature courses beyond FR 202 and excluding FR 553 and literature courses in translation.

FR 204 Introduction to French

and Francophone Studies ..... 3

FR 214 France Today

or

FR 215 Visual Cultures ..... 3

**Plus** twelve hours at the 300, 400, or 500 level (excluding FR 553 and courses in translation).

**GERMAN STUDIES**

The primary aims of the Division of German Studies are to help students develop their German language skills and gain an understanding of the literature and culture of the German-speaking countries. Students majoring in German earn the Bachelor of Arts or Bachelor of Science degree. For more information, visit the Division of German Studies on the Web at:

[mcl.as.uky.edu/german-studies](http://mcl.as.uky.edu/german-studies)

**Bachelor of Arts with a major in  
GERMAN****120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical,  
and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**  
 Choose one course from approved list ..... 3  
**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

**College Requirements**

I. Foreign Language (*completed by Premajor Requirement*)  
 II. Disciplinary Requirements  
     a. Natural Science ..... 6  
     b. Social Science ..... 6  
     c. Humanities (*completed by Major Requirements*)  
 III. Laboratory or Field Work ..... 1  
 IV. Electives ..... 6  
**College Requirement hours:** ..... 19

**Premajor Requirements**

GER 202 Intermediate German ..... 3  
 GER 206 Spoken Communication ..... 3  
**Premajor hours:** ..... 6

**Major Requirements**

**Major Core Requirements**  
 GER 307 Intermediate German Composition and Conversation I ..... 3  
 GER 308 Intermediate German Composition and Conversation II ..... 3  
 GER 311 Introduction to German Literature: Themes (Subtitle required) ..... 3  
 GER 312 Introduction to German Literature: Popular Forms ..... 3  
 GER 495 German Studies Capstone ..... 1  
**Major Core hours:** ..... 13

**Other Course Work Required for the Major**

**From the Major:** ..... 12-15  
 Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

**From Outside the Major**

Choose 15-18 hours outside German at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, art history, Chinese, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women's studies. 200+ level courses used to satisfy College requirements can also be counted here ..... 15-18

**Other Major hours:** ..... 30

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 19

**Total Minimum Hours Required for Degree** ..... 120

**Bachelor of Science with a major in GERMAN**

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GER prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
 Choose one course from approved list ..... 3  
**II. Intellectual Inquiry in the Humanities**  
 Choose one course from approved list ..... 3  
**III. Intellectual Inquiry in the Social Sciences**  
 Choose one course from approved list ..... 3  
**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
 Choose one course from approved list ..... 3  
**V. Composition and Communication I**  
 CIS/WRD 110 Composition and Communication I ..... 3  
**VI. Composition and Communication II**  
 CIS/WRD 111 Composition and Communication II ..... 3  
**VII. Quantitative Foundations**  
 Choose one course from approved list ..... 3  
**VIII. Statistical Inferential Reasoning**  
 Choose one course from approved list ..... 3  
**IX. Community, Culture and Citizenship in the USA**  
 Choose one course from approved list ..... 3  
**X. Global Dynamics**  
 Choose one course from approved list ..... 3  
**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

**College Requirements**

I. Foreign Language (*completed by Premajor Requirement*)  
 II. Disciplinary Requirements  
     a. Natural Science ..... 3  
     b. Social Science ..... 3  
     c. Humanities (*completed by Major Requirements*)  
 III. Laboratory or Field Work ..... 1  
 IV. Electives ..... 6  
**College Requirement hours:** ..... 13

**Premajor Requirements**

GER 202 Intermediate German ..... 3  
 GER 206 Spoken Communication ..... 3  
**Premajor hours:** ..... 6

**Major Requirements**

**Major Core Requirements**  
 GER 307 Intermediate German Composition and Conversation I ..... 3  
 GER 308 Intermediate German Composition and Conversation II ..... 3  
 GER 311 Introduction to German Literature: Themes (Subtitle required) ..... 3  
 GER 312 Introduction to German Literature: Popular Forms ..... 3  
 GER 495 German Studies Capstone ..... 1  
**Major Core hours:** ..... 13

**Other Course Work Required for the Major**

**From the Major:** ..... 12-15  
 Choose 12-15 hours of German courses to be selected from GER 310, 315, 317, 319, 352, 361, 415G, 416G, 420G and 507; upon consultation with the advisor, certain 500-level courses may be substituted for two of these; GER 415G, 416G and 420G may be repeated once.

**From Outside the Major**

Choose 15-18 hours outside German at the 200+ level from the following areas: anthropology, Arabic and Islamic studies, art history, Chinese, comparative literature, economics, English, French, Greek, geography, history, Italian, Japanese, Latin, linguistics, music, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, and women's studies. 200+ level courses used to satisfy College requirements can also be counted here ..... 15-18

**Other Major hours:** ..... 30

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 22

**Total Minimum Hours Required for Degree** ..... 120

**Minor in German**

The minor in German Studies consists of a minimum of 18 hours in German language, culture, and literature courses in addition to the proficiency level gained by completion of GER 202. This level may be documented either by completing the relevant sequence of courses or by placement exam.

**Required courses include:**

GER 206 Spoken Communication ..... 3  
**and**  
 Course work at the 300 level or above, including GER 307/308 ..... 15

## RUSSIAN AND EASTERN STUDIES

The Division of Russian and Eastern Studies offers a minor in Islamic Studies and majors/minors in Chinese Studies, Japan Studies and Russian Studies. For more information on those programs, see the listing below. We also participate in the minor in Jewish studies through our offerings of the Hebrew language.

For more information, visit the Japan Studies Web site:

[mcl.as.uky.edu/russian-studies](http://mcl.as.uky.edu/russian-studies)

## Arabic and Islamic Studies

### Minor in Islamic Studies

The interdisciplinary minor in Islamic Studies provides the opportunity to study the culture, language, literature, religion, history and philosophy of Islam throughout the world from antiquity to the present. Students will acquire a rounded understanding of Islamic culture, the ability to interpret information and news from the Middle East and elsewhere in an independent way, with understanding of the issues from the perspective of the Muslim countries, and will be prepared to pursue careers that require a knowledge of Islamic civilization. For more information, visit:

<http://mcl.as.uky.edu/islamic-studies>

The minor in Islamic Studies requires 18 hours of course work as follows:

<b>1. Minor Requirements (6 hours)</b>	
AIS 328 Islamic Civilization I .....	3
AIS 330 Islamic Civilization II .....	3
<b>2. Minor Electives (12 hours)</b>	
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
HIS 247 History of Islam and Middle East Peoples, 500-1250, A.D. ....	3
HIS 248 History of Islam and Middle East Peoples, 1250 to the Present .....	3
AIS 301 Colloquial Arabic I .....	3
AIS 302 Colloquial Arabic 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 395 Independent Work in Arabic/Islamic Studies .....	1-3
AIS 440 Introduction to the Quran .....	3
AIS 442 Arabic Reading I .....	3
AIS 443 Arabic Reading II .....	3
AIS 435 Topics in Islamic Studies: (Subtitle required) .....	3
AIS 495G Advanced Independent Work in Arabic/Islamic Studies .....	1-3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3
HIS 548 History of the Middle East: 1453-1920 .....	3
HIS 549 History of the Middle East: 1952 to the Present .....	3
<b>Note:</b> Other courses in the area may be elected with the approval of the chair of the department. ....	

For further information, contact: Director Ishan Bagby, [iabag2@uky.edu](mailto:iabag2@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.

## Bachelor of Arts with a major in CHINESE LANGUAGE AND LITERATURE

The Chinese major at UK is designed to provide a strong foundation in the study of both language and culture while giving students the flexibility to pursue their own interests in Chinese culture, literature, history, and language. The total credit hours required is 42.

For more information, visit the Division of Chinese web site at:

[mcl.as.uky.edu/chinese-studies](http://mcl.as.uky.edu/chinese-studies)

### 120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

<b>I. Intellectual Inquiry in Arts and Creativity</b> Choose one course from approved list .....	3
<b>II. Intellectual Inquiry in the Humanities</b> Choose one course from approved list .....	3
<b>III. Intellectual Inquiry in the Social Sciences</b> Choose one course from approved list .....	3
<b>IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences</b> Choose one course from approved list .....	3
<b>V. Composition and Communication I</b> CIS/WRD 110 Composition and Communication I .....	3
<b>VI. Composition and Communication II</b> CIS/WRD 111 Composition and Communication II .....	3
<b>VII. Quantitative Foundations</b> Choose one course from approved list .....	3
<b>VIII. Statistical Inferential Reasoning</b> Choose one course from approved list .....	3
<b>IX. Community, Culture and Citizenship in the USA</b> Choose one course from approved list .....	3
<b>X. Global Dynamics</b> Choose one course from approved list .....	3
<b>UK Core Hours</b> .....	<b>30</b>

### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

### College Requirements

I. Foreign Language ( <i>completed by Premajor Requirement</i> )	
II. Disciplinary Requirements	
a. Natural Science .....	6
b. Social Science .....	6
c. Humanities ( <i>completed by Major Requirements</i> )	
III. Laboratory or Field Work .....	1
IV. Electives .....	6
<b>College Requirement hours: .....</b>	<b>19</b>

### Premajor Requirements

CHI 201 Intermediate Chinese I .....	4
CHI 202 Intermediate Chinese II .....	4
<b>Premajor Requirement hours: .....</b>	<b>8</b>

### Major Requirements

<b>Chinese Language Core</b>	
CHI 301 Advanced Intermediate Chinese I .....	3
CHI 302 Advanced Intermediate Chinese II .....	3

<b>Chinese Culture Core</b>	
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3
<b>Major Requirement hours: .....</b>	<b>12</b>

### Additional Courses

In addition, students must take additional credits in Chinese language, culture, literature, history, art, or other approved areas taken from MCL or other departments to lead to the total credit hours of 42. No more than 15 hours of CHI is permitted from the following. Courses beyond this list may be approved by a faculty advisor.

<b>Chinese Language</b>	
CHI 401 Advanced Chinese I .....	3
CHI 402 Advanced Chinese II .....	3
CHI 511 Literary Chinese .....	3
CHI 520 Introduction to Chinese Linguistics .....	3
CHI 310 Sounds of East Asian Languages .....	3
<b>Arts, Literature, and Film</b>	
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
<b>Contemporary Culture and Society</b>	
CHI 430 Popular Culture in Modern China .....	3
*HIS 355 Topics in Non-Western History Since 1789 .....	3
HIS 598 China in Revolution, 1895-1976 .....	3

<b>Pre-Modern Culture and Society</b>	
CHI 345 Introduction to Early Chinese Thought .....	3
CHI 450 Daoism: East and West .....	3
*Subtitle of course must clearly indicate a direct focus on China.	

Students may take up to 6 elective units drawn from the following list to lead to the total of 42 credits required for the major:

HIS 295 East Asia to 1800 .....	3
HIS 296 East Asia Since 1600 .....	3
HIS 593 East Asian History Since World War II .....	3
A-H 310 Asian Art and Culture (Subtitle required) .....	3
TA 584 Asian Theatre .....	3
GEO 333 Geography of East Asia .....	3
MUS 330 Music in the World (Subtitle required) .....	3
PHI 343 Asian Philosophy .....	3
PS 419G The Governments and Politics of Eastern Asia .....	3
<b>Additional Courses hours: .....</b>	<b>30</b>

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 10-20

**Total Minimum Hours  
Required for Degree ..... 120**

**Minor in Chinese**

The Chinese minor is designed for students who wish to supplement degree in other fields with a strong foundation in Chinese language and culture. The total credits required for the minor in Chinese is 18.

**Premajor Requirement Hours**

All students must complete the following preminor requirements or their equivalent:

CHI 101 Beginning Chinese I .....	4
CHI 102 Beginning Chinese II .....	4
CHI 201 Intermediate Chinese I .....	4
CHI 202 Intermediate Chinese II .....	4

**Core Requirement**

Students must complete a minimum 6 credits from among the following courses in the Chinese minor core:

CHI 301 Advanced Intermediate Chinese I .....	3
CHI 302 Advanced Intermediate Chinese II .....	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840 .....	3
CHI 331 Introduction to Chinese Culture, 1840 to Present .....	3

**Elective Requirement**

In addition, students must take at least 12 additional credits in Chinese language, culture, literature, history, art or other approved areas taken from the following list to lead to a total of 18 credits. Courses beyond this list may be approved by a faculty advisor. (Please note that courses on the core course list above **not** used to satisfy the Core Requirement may be used to satisfy the Elective Requirement.)

**Chinese Language**

CHI 401 Advanced Chinese I .....	3
CHI 402 Advanced Chinese II .....	3
CHI 511 Literary Chinese .....	3
CHI 520 Introduction to Chinese Linguistics .....	3
CHI 310 Sounds of East Asian Languages .....	3

**Arts, Literature, and Film**

CHI 320 Gender Politics in Chinese Literature .....	3
CHI 321 Introduction to Contemporary Chinese Film .....	3
CHI 322 Self and Society in Chinese Culture .....	3

**Modern Culture and Society**

CHI 430 Popular Culture in Modern China .....	3
HIS 598 China in Revolution, 1895-1976 .....	3
*HIS 355 Topics in Non-Western History Since 1789 .....	3

**Pre-Modern Culture and Society**

CHI 345 Introduction to Early Chinese Thought .....	3
CHI 450 Daoism: East and West .....	3

**China in the East Asian Context**

No more than 3 credits can be taken from this category:

HIS 295 East Asia to 1800 .....	3
HIS 296 East Asia Since 1600 .....	3
ANT 326 People and Cultures of Sub-Saharan Africa ....	3
PS 419G The Governments and Politics of Eastern Asia .....	3
GEO 333 Geography of East Asia .....	3

\*Subtitle of course must clearly indicate a direct focus on China.

**Japan Studies**

The Japanese Language and Literature major emphasizes language acquisition through four years of language training, together with an approach that integrates a range of disciplinary perspectives including literature, cultural/media studies, anthropology, geography, history, philosophy, art, and sociology. The program will prepare students for a variety of post-baccalaureate options, serving as preparation both for graduate training in fields requiring advanced Japanese language competence, and for Japan-related career choices. For more information, visit the Japan Studies Web site:

<http://mcl.as.uky.edu/japan-studies>

**Bachelor of Arts with a major in  
JAPANESE LANGUAGE  
AND LITERATURE**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical,  
and Mathematical Sciences**  
Choose one course from approved list ..... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3

**X. Global Dynamics**  
Choose one course from approved list ..... 3

**UK Core Hours ..... 30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

I. Foreign Language ( <i>completed by Premajor Requirement</i> )	
II. Disciplinary Requirements	
a. Natural Science .....	6
b. Social Science .....	6
c. Humanities ( <i>completed by Major Requirements</i> )	
III. Laboratory or Field Work .....	1
IV. Electives .....	6

**College Requirement hours: ..... 19**

**Premajor Requirements**

JPN 201 Intermediate Japanese I .....	4
JPN 202 Intermediate Japanese II .....	4

**Subtotal: Premajor Requirements ..... 8**

**Major Requirements**

**A. Language Requirements**

JPN 301 Advanced Japanese I .....	3
JPN 302 Advanced Japanese II .....	3
JPN 401 Advanced Japanese III .....	3
JPN 402 Advanced Japanese IV .....	3

**Subtotal: Language Requirements ..... 12**

**B. Interdisciplinary Core Requirements**

Choose 18 hours from:

**Arts, Literature, and Film**

JPN 420G, JPN 421G, JPN 400G, JPN 405 and A-H 310 and/or other related courses with the approval of the major advisor.

**Contemporary Culture, Society, and Politics**

JPN/GEO 334, JPN 430G, JPN 321 and/or other related courses with the approval of the major advisor.

**Geography and Economics**

JPN/GEO 491G, JPN/GEO 551 and/or other related courses with the approval of the major advisor.

**Cultural History**

HIS 295, HIS 296, JPN 320 and/or other related courses with the approval of the major advisor.

**Subtotal: Interdisciplinary**

**Core hours: ..... 18**

**C. From Outside the Major**

Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, Chinese, classics, communication, community and leadership development, education, English, French, gender and women's studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literatures and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor. 200+ level courses used to satisfy UK Core and College requirements can also be counted here.

**Subtotal: From Outside  
the Major hours: ..... 14**

**Total Course Work  
Required for the Major: ..... 44**

**Electives**

Select free elective courses to lead to the minimum total of 120 hours required for graduation.

**Subtotal: Electives ..... 10-20**

**TOTAL HOURS: ..... 120**

## Bachelor of Science with a major in JAPANESE LANGUAGE AND LITERATURE

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an LIN prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

#### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

#### III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..... 3

#### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

#### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

#### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

#### VII. Quantitative Foundations

Choose one course from approved list ..... 3

#### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

#### IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ..... 3

#### X. Global Dynamics

Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

### College Requirements

I. Foreign Language (*completed by Premajor Requirement*)

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science ..... 3

c. Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours:** ..... 13

### Premajor Requirements

JPN 201 Intermediate Japanese I ..... 4

JPN 202 Intermediate Japanese II ..... 4

**Subtotal: Premajor Requirements** ..... 8

### Major Requirements

#### A. Language Requirements

JPN 301 Advanced Japanese I ..... 3

JPN 302 Advanced Japanese II ..... 3

JPN 401 Advanced Japanese III ..... 3

JPN 402 Advanced Japanese IV ..... 3

**Subtotal: Language Requirements** ..... 12

#### B. Interdisciplinary Core Requirements

Choose 18 hours from:

##### Arts, Literature, and Film

JPN 420G, JPN 421G, JPN 400G, JPN 405 and A-H 310 and/or other related courses with the approval of the major advisor.

##### Contemporary Culture, Society, and Politics

JPN/GEO 334, JPN 430G, JPN 321 and/or other related courses with the approval of the major advisor.

##### Geography and Economics

JPN/GEO 491G, JPN/GEO 551 and/or other related courses with the approval of the major advisor.

##### Cultural History

HIS 295, HIS 296, JPN 320 and/or other related courses with the approval of the major advisor.

**Subtotal: Interdisciplinary**

**Core hours:** ..... 18

#### C. From Outside the Major

Choose 14 hours outside Japanese Language and Literature at the 300+ level from the following areas: anthropology, Arabic and Islamic studies, architecture, art history, business and economics, Chinese, classics, communication, community and leadership development, education, English, French, gender and women's studies, geography, German studies, Hispanic studies, history, international studies, journalism, library sciences, linguistics, modern and classical languages, literatures and cultures (MCL), music, philosophy, political science, religious studies, Russian studies, sociology, theater, or other disciplines approved by the major advisor. 200+ level courses used to satisfy UK Core and College requirements can also be counted here.

**Subtotal: From Outside**

**the Major hours:** ..... 14

**Total Course Work**

**Required for the Major:** ..... 44

### Electives

Select free elective courses to lead to the minimum total of 120 hours required for graduation.

**Subtotal: Electives** ..... 10-20

**TOTAL HOURS:** ..... 120

### Minor in Japan Studies

The Japan Studies minor complements existing majors and prepares students with the skills that are required to work with Japan given its integral place in international business. Students will also become well-versed in the culture and geography of Japan, its history, arts, and environment. This background will prepare students for Japan-related careers in the United States and abroad.

This 23-hour program consists of (1) 14 hours of Japanese language courses, (2) 6 hours of Japanese cultural studies, and (3) 3 hours of elective courses on contemporary East Asian history, politics, and society.

The Japan Studies Program maintains a University of Kentucky Summer Field Station at Yatsushiro (Kyushu) on the campus of the IEC Kyushu International College for summer field research and instruction. Summer field seminars are offered at this site each year. Details at: [www.uwplatt.edu/geography/japan](http://www.uwplatt.edu/geography/japan).

#### 1. Japanese Language Courses (16 hours)

JPN 101 Beginning Japanese I ..... 4

JPN 102 Beginning Japanese II ..... 4

JPN 201 Intermediate Japanese I ..... 4

JPN 202 Intermediate Japanese II ..... 4

#### 2. Japanese Cultural Studies (6 hours)

GEO/JPN 334 Environment, Society and

Economy of Japan ..... 3

ENG 283 Japanese Film ..... 3

JPN 320 Introduction to Japanese Culture,

Pre-Modern to 1868 ..... 3

JPN 321 Introduction to Japanese Culture,

Meiji (1868) to Present ..... 3

#### 3. Contemporary East Asian History, Politics, and Society (3 hours)

HIS 295 East Asia to 1800 ..... 3

HIS 296 East Asia Since 1600 ..... 3

HIS 597 Westerners in East Asia,

1839 to the Present ..... 3

ANT 326 Peoples of East Asia ..... 3

PS 419G The Governments and Politics

of Eastern Asia ..... 3

GEO 333 Geography of East Asia ..... 3

COM 525 Organizational Communication ..... 3

JPN 395 Independent Work in Japanese ..... 1-6

JPN 405 Seminar in Japanese and

Asian Studies (Subtitle required) ..... 3

JPN 421G Contemporary Literary and

Visual Arts of Japan ..... 3

GEO/JPN 491G Japanese Landscapes ..... 3

JPN 520 Japanese Linguistics and Society ..... 3

GEO/JPN 551 Japanese Multinational Corporations .... 3

For further information, contact Professor Masamichi Inoue, Director, Japan Studies Program, (859) 257-7024 or (859) 257-3761; e-mail: [msinoue@uky.edu](mailto:msinoue@uky.edu).

## Bachelor of Arts with a major in RUSSIAN STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3

**X. Global Dynamics**  
Choose one course from approved list ..... 3

**UK Core Hours** ..... **30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... **3**

**College Requirements**

**I. Foreign Language (completed by Premajor Requirement)**

**II. Disciplinary Requirements**

a. Natural Science ..... 6

b. Social Science (partially completed by Major Requirement) ..... 3

c. Humanities (completed by Major Requirements) ..... 3

**III. Laboratory or Field Work** ..... 1

**IV. Electives** ..... 6

**College Requirement hours:** ..... **16**

**Premajor Requirements**

RUS 202 Intermediate Russian ..... 4

\*RUS 270 Russian Culture 900-1900  
or  
RUS 271 Russian Culture 1900-Present ..... 3

**Premajor hours:** ..... **7**

**Major Core Requirements**

HIS 385 History of Russia to 1825 ..... 3

HIS 386 History of Russia Since 1825 ..... 3

RUS 380 Nineteenth Century Russian Literature  
(in English) ..... 3

RUS 381 Russian Literature 1900-Present  
(in English) ..... 3

RUS 301 Advanced Intermediate Russian I ..... 3

RUS 302 Advanced Intermediate Russian II ..... 3

RUS 403 Advanced Russian I ..... 3

RUS 404 Advanced Russian II ..... 3

RUS 499 Russian Studies Capstone Seminar  
(Subtitle required) ..... 3

**Major Core hours:** ..... **27**

**Other Course Work Required for the Major**

**From the Major Program:**

**Related Electives** ..... 6  
Choose from RUS 370\*, RUS 375, RUS 395, RUS 400G, RUS 460G, RUS 463, RUS 495G, RUS 501, RUS 502, RUS 520, RUS 530

**From Outside the Major Program** ..... 9  
Choose 9 hours at the 300+ level related to Russian Studies, but not from the major program (RUS).

**Other Major hours:** ..... **15**

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 23

**Total Minimum Hours Required for Degree** ..... **120**

*\*Course used towards completion of a UK Core Requirement.*

**Bachelor of Science with a major in RUSSIAN STUDIES**

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with RUS and HIS prefixes are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... **30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... **3**

**College Requirements**

**I. Foreign Language (completed by Premajor Requirement)**

**II. Disciplinary Requirements**

a. Natural Science ..... 3

b. Social Science (completed by Major Requirement) ..... 3

c. Humanities (completed by Major Requirement) ..... 3

**III. Laboratory or Field Work** ..... 1

**IV. Electives** ..... 6

**College Requirement hours:** ..... **10**

**Premajor Requirements**

RUS 202 Intermediate Russian ..... 4

\*RUS 270 Russian Culture 900-1900  
or  
RUS 271 Russian Culture 1900-Present ..... 3

**Premajor hours:** ..... **7**

**Major Core Requirements**

HIS 385 History of Russia to 1825 ..... 3

HIS 386 History of Russia Since 1825 ..... 3

RUS 380 Nineteenth Century Russian Literature  
(in English) ..... 3

RUS 381 Russian Literature 1900-Present  
(in English) ..... 3

RUS 301 Advanced Intermediate Russian I ..... 3

RUS 302 Advanced Intermediate Russian II ..... 3

RUS 403 Advanced Russian I ..... 3

RUS 404 Advanced Russian II ..... 3

RUS 499 Russian Studies Capstone Seminar  
(Subtitle required) ..... 3

**Major Core hours:** ..... **27**

**Other Course Work Required for the Major**

**From the Major Program:**

**Related Electives** ..... 6  
Choose from RUS 370\*, RUS 375, RUS 395, RUS 400G, RUS 460G, RUS 463, RUS 495G, RUS 501, RUS 502, RUS 520, RUS 530

**From Outside the Major Program** ..... 9  
Choose 9 hours at the 300+ level related to Russian Studies, but not from the major program (RUS).

**Other Major hours:** ..... **15**

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 26

**Total Minimum Hours Required for Degree** ..... **120**

*\*Course used towards completion of a UK Core Requirement.*

### Minor in Russian

The minor in Russian consists of a minimum of 18 hours beyond second-year proficiency in Russian language (RUS 202) distributed as follows:

- 6 hours of Russian language courses at the 300 level or above
- and
- 12 hours of additional course work in designated Russian area studies courses, of which at least 9 hours must be in RUS courses.

*Note: RUS 395, Independent Work in Russian, may not be used for the minor.*

### Minor in Folklore and Mythology

The minor in folklore and mythology requires a minimum of 18 hours (plus 6 preminor) to include the following:

#### 1. Minor Prerequisites

CLA 100 Ancient Stories in Modern Films

or

CLA 135 Greek and Roman Mythology ..... 3

GER 103 Fairy Tales in European Context ..... 3

#### 2. Minor Requirements

CLA 331 Gender and Sexuality in Antiquity

or

CLA 382 Greek and Roman Religion ..... 3

FR 263 African and Caribbean Literature and Culture

of French Expression in Translation

(Subtitle required) ..... 3

GER 363 Germanic Mythology ..... 3

MCL 270 Introduction to Folklore

and Mythology ..... 3

RUS 370 Russian Folklore (in English) ..... 3

#### 3. Minor Electives

Three hours in elective courses in a variety of disciplines taken from a list provided by the advisor.

Students in this minor must satisfy the current A&S Language Requirement, regardless of their college. The minor is not restricted to A&S majors.

For more information, visit:

[mcl.as.uky.edu/folklore-mythology](http://mcl.as.uky.edu/folklore-mythology)

## PHILOSOPHY

Philosophy encourages critical and systematic inquiry into fundamental questions of right and wrong, truth and falsehood, the meaning of life, and the nature of reality, knowledge, and society. More than any other discipline, philosophy explores the core issues of the Western intellectual tradition. With its emphasis on reason and argumentation, a philosophy major is an excellent preparation for a career in law or business.

### Bachelor of Arts with a major in PHILOSOPHY

#### 120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

#### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

#### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

#### III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..... 3

#### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

#### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

#### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

#### VII. Quantitative Foundations

Choose one course from approved list ..... 3

#### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

#### IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ..... 3

#### X. Global Dynamics

Choose one course from approved list ..... 3

**UK Core Hours: ..... 30**

#### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

#### College Requirements

I. Foreign Language (*placement exam recommended*)<sup>^</sup> ..... 0-14

II. Disciplinary Requirements

a. Natural Science ..... 6

b. Social Science ..... 6

c. Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work ..... 1

IV. Electives ..... 6

**College Requirement hours: ..... 19-33**

#### Premajor Requirements

PHI 260 History of Philosophy I:

from Greek Beginnings to the Middle Ages ..... 3

PHI 270 History of Philosophy II:

from the Renaissance to the Present Era ..... 3

**Premajor hours: ..... 6**

#### Major Requirements

##### Major Core Requirements

PHI 320 Symbolic Logic I ..... 3

PHI 330 Ethics

or

\*PHI 335 The Individual and Society ..... 3

PHI 350 Metaphysics and Epistemology ..... 3

**Major Core hours: ..... 9**

##### Other Course Work Required for the Major

###### From the Major Department:

Choose 15 hours of PHI 500+ level courses with at least one course from each group below ..... 15

**Group A:** PHI 503, 504, 506, 509, 513, 514, 515, 516, 517

**Group B:** PHI 519, 530, 531, 535, 537, 540, 545, 592

**Group C:** PHI 520, 550, 560, 561, 562, 565, 570, 575

Choose 3 hours from any of the group courses listed above or the following: PHI 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343\*, 361, 380, 395 ..... 3

###### From Outside the Major Department

Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses ..... 18

**Other Major hours: ..... 36**

#### Electives

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 9

**Total Minimum Hours  
Required for Degree ..... 120**

*\*Course used towards completion of a UK Core Requirement.*

*^French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.*

### Bachelor of Science with a major in PHILOSOPHY

#### 120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a PHI prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
  - II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3
  - III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3
  - IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3
  - V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3
  - VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3
  - VII. Quantitative Foundations**  
Choose one course from approved list ..... 3
  - VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3
  - IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3
  - X. Global Dynamics**  
Choose one course from approved list ..... 3
- UK Core Hours ..... 30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

- I. Foreign Language (*placement exam recommended*)<sup>^</sup> ..... 0-14
  - II. Disciplinary Requirements
    - a. Natural Science ..... 3
    - b. Social Science ..... 3
    - c. Humanities (*completed by Major Requirements*)
  - III. Laboratory or Field Work ..... 1
  - IV. Electives ..... 6
- College Requirement hours: ..... 13-27**

**Premajor Requirements**

- PHI 260 History of Philosophy I:  
from Greek Beginnings to the Middle Ages ..... 3
  - PHI 270 History of Philosophy II:  
from the Renaissance to the Present Era ..... 3
- Premajor hours: ..... 6**

**Major Requirements**

- Major Core Requirements**
  - PHI 320 Symbolic Logic I ..... 3
  - PHI 330 Ethics  
or  
\*PHI 335 The Individual and Society ..... 3
  - PHI 350 Metaphysics and Epistemology ..... 3
- Major Core hours: ..... 9**

**Other Course Work Required for the Major**

**From the Major Department:**  
Choose 15 hours of PHI 500+ level courses with at least one course from each group below ..... 15

**Group A:** PHI 503, 504, 506, 509, 513, 514, 515, 516, 517

**Group B:** PHI 519, 530, 531, 535, 537, 540, 545, 592

**Group C:** PHI 520, 550, 560, 561, 562, 565, 570, 575

Choose 3 hours from any of the group courses listed above or the following: PHI 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343\*, 361, 380, 395 ..... 3

**From Outside the Major Department**

Choose 18 hours at the 200+ level; up to 4 hours may come from Philosophy courses ..... 18

**Other Major hours: ..... 36**

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 9

**Total Minimum Hours Required for Degree ..... 120**

<sup>\*</sup>Course used towards completion of a UK Core Requirement.

<sup>^</sup>French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

**Minor in Philosophy**

The minor in philosophy requires a minimum of 18 hours of course work to include the following:

- a. No more than two 100-level courses
- b. At least one course in logic (PHI 120, PHI 320, or PHI 520)
- c. At least one course in the history of philosophy (PHI 260, PHI 270, or any course from Group A of the undergraduate curriculum)
- d. At least three courses (nine hours) at the 300 level or above, excluding PHI 320 and PHI 399.

**PHYSICS AND ASTRONOMY**

The Department of Physics and Astronomy helps many students acquire a general understanding and appreciation of physics and astronomy. In the liberal arts tradition, the undergraduate curriculum is complete and flexible enough to allow a graduate with a major in physics to pursue a variety of careers. Many of our graduates continue their studies with graduate work in physics or other areas.

For the student interested in combining the study of physics with studies in other areas, the department can assist in the planning of an individual curriculum which meets **both** the minimum requirements of the Physics program and the student's needs and interests. Such planning is of particular value to students intending to pursue careers in engineering, computer science, applied physics, medicine, radiation medicine, biophysics, law, meteorology, oceanography, geophysics, environmental sciences, management, or the teaching of physics and/or physical science at the junior and senior high school levels. By working closely with an advisor, the student with special interests can take advantage of opportunities to take several other courses from one or more departments outside physics, or double major in physics and another area. For a

description of suggested curricula, visit our Web site at:

[www.pa.uky.edu/undergrad/curricula.html](http://www.pa.uky.edu/undergrad/curricula.html)

**Bachelor of Arts with a major in PHYSICS**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for the Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3
  - II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3
  - III. Intellectual Inquiry in the Social Sciences**  
Choose one course from approved list ..... 3
  - IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3
  - V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3
  - VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3
  - VII. Quantitative Foundations**  
Choose one course from approved list ..... 3
  - VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3
  - IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3
  - X. Global Dynamics**  
Choose one course from approved list ..... 3
- UK Core Hours ..... 30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

- I. Foreign Language (*placement exam recommended*) ..... 0-14
- II. Disciplinary Requirements
  - a. Natural Science (*completed by Premajor Requirements*)
  - b. Social Science ..... 6
  - c. Humanities ..... 6
- III. Laboratory or Field Work (*completed by Premajor Requirement*)
- IV. Electives ..... 6

**College Requirement hours: ..... 18-32**



**Premajor Requirements**

*PHY 231/232/241/242 General University Physics and Laboratory .....	10
<b>or with permission of the Director of Undergraduate Studies:</b>	
*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
<b>Premajor hours:</b> .....	<b>28</b>

**Major Requirements****Major Core Requirements**

PHY 306 Theoretical Methods of Physics .....	3
PHY 335 Data Analysis for Physicists .....	1
PHY 361 Principles of Modern Physics .....	3
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
<b>Major Core hours:</b> .....	<b>20</b>

**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 .....

**Other Major hours:** .....

**Total Minimum Hours**

**Required for Degree** .....

*\*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 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.A. in Physics.

**Freshman Year**

First Semester	Hours
MA 113 Calculus I .....	4
CIS/WRD 110 Composition and Communication I .....	3
UK Core .....	3
UK Core .....	3

**Second Semester**

MA 114 Calculus II .....	4
PHY 231 General University Physics .....	4
PHY 241 General University Physics Laboratory .....	1
UK Core .....	3
UK Core .....	3

**Sophomore Year**

First Semester	Hours
*MA 213 Calculus III .....	4
PHY 232 General University Physics .....	4
PHY 242 General University Physics Laboratory .....	1
Foreign Language .....	4
*CS 115 Introduction to Computer Programming or Major Related Electives .....	3

**Second Semester**

*MA 214 Calculus IV or Major Related Electives .....	3
PHY 306 Theoretical Methods of Physics .....	3
PHY 228 Optics, Relativity and Thermal Physics .....	3
Foreign Language .....	4
Electives .....	3

**Junior Year**

First Semester	Hours
CHE 105 General College Chemistry I .....	4
PHY 335 Data Analysis for Physicists .....	1
Foreign Language .....	3
*MA 322 Matrix Algebra and Its Applications or Major Related Electives .....	3
PHI 300+ .....	3
Electives .....	3
<b>Second Semester</b>	
CHE 107 General College Chemistry II .....	3
PHY 361 Principles of Modern Physics .....	3
Foreign Language .....	3
**Social Sciences 300+ .....	3
Major Related Electives .....	3

**Senior Year**

First Semester	Hours
PHY 3XX .....	3
PHY 4XX .....	3
**Social Sciences 300+ .....	3
Major Related Electives .....	3
Electives .....	3
<b>Second Semester</b>	
PHY 435 Intermediate Physics Laboratory .....	3
PHY 4XX (suggested) .....	3
PHY 5XX (suggested) .....	3
Electives .....	5

*\*A total of 14 credit hours in math, computer science, chemistry, engineering or other areas related to physics but outside the department must be completed to satisfy the college requirement. A total of 42 hours in physics and related areas must be taken to satisfy the major requirement.*

*\*\*The Bachelor of Arts requires the completion of six hours in humanities and social sciences as a college requirement. It also requires the completion of 39 hours at or above the 300 level.*

**Bachelor of Science with a major in PHYSICS****120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the **UK Core** section of this Bulletin for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list .....

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list .....

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list .....

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list .....

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I .....

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II .....

**VII. Quantitative Foundations**

Choose one course from approved list .....

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list .....

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list .....

**X. Global Dynamics**

Choose one course from approved list .....

**UK Core Hours** .....

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** .....

**College Requirements**

I. Foreign Language ( <i>placement exam recommended</i> ) .....	0-14
II. Disciplinary Requirements	
a. Natural Science ( <i>completed by Premajor Requirements</i> ) .....	3
b. Social Science .....	3
c. Humanities .....	3
III. Laboratory or Field Work ( <i>completed by Premajor Requirement</i> ) .....	6
IV. Electives .....	6

**College Requirement hours:** .....

**Premajor Requirements**

*PHY 231/232/241/242 General University Physics and Laboratory .....	10
<b>or with permission of the Director of Undergraduate Studies:</b>	
*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
<b>Premajor hours:</b> .....	<b>28</b>

**Major Requirements****Major Core Requirements**

PHY 306 Theoretical Methods of Physics .....	3
PHY 335 Data Analysis for Physicists .....	1
PHY 361 Principles of Modern Physics .....	3
PHY 404G Mechanics .....	3
PHY 416G/417G Electricity and Magnetism .....	6
PHY 520 Introduction to Quantum Mechanics I .....	3
PHY 521 Introduction to Quantum Mechanics II .....	3
PHY 535 Advanced Physics Laboratory .....	3
MA 213 Calculus III .....	4
MA 214 Calculus IV .....	3

plus two of the following courses:

AST/PHY 395 Independent Work in Astronomy/Physics .....	3
PHY 402G Electronic Instrumentation and Measurements .....	3
PHY 422 Computational Physics Laboratory .....	3
PHY 435 Intermediate Physics Laboratory .....	3

**Major Core hours:** ..... 38

**Other Course Work Required for the Major**

**From Outside the Major Department**

Choose 6 hours outside Physics at the 200+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here .....

**Other Major hours:** ..... 6

**Total Minimum Hours**

**Required for Degree** ..... 120

*\*Course used towards completion of a UK Core Requirement.*

**Suggested Curriculum  
for B.S. in Physics**

(NOTE: Students who have completed calculus or chemistry should visit our Web site at: [www.pa.uky.edu/undergrad/curricula.html](http://www.pa.uky.edu/undergrad/curricula.html) for suggested curriculum.)

As you plan your physics studies, please note that upper division physics courses, PHY 3XX and all higher numbered courses, are offered once per year in the semester indicated on the suggested curricula. For example, PHY 306 and PHY 361 are offered in the spring semester only. This suggested curriculum minimally meets the requirements for the B.S. in Physics.

**Freshman Year**

**First Semester** **Hours**

MA 113 Calculus I .....	4
PHY 231 General University Physics .....	4
PHY 241 General University Physics Laboratory .....	1
CHE 105 General College Chemistry I .....	4
CIS/WRD 110 Composition and Communication I .....	3

**Second Semester**

MA 114 Calculus II .....	4
PHY 228 Optics, Relativity and Thermal Physics .....	3
CHE 107 General College Chemistry II .....	3
*CS 115 Introduction to Computer Programming or Major Related Electives .....	3
CIS/WRD 111 Composition and Communication II .....	3

**Sophomore Year**

**First Semester** **Hours**

MA 213 Calculus III .....	4
PHY 232 General University Physics .....	4
PHY 242 General University Physics Laboratory .....	1
PHY 335 Data Analysis for Physicists .....	1
Foreign Language .....	4

**Second Semester**

MA 214 Calculus IV .....	3
PHY 306 Theoretical Methods of Physics .....	3
PHY 361 Principles of Modern Physics .....	3
Foreign Language .....	4
UK Core .....	3

**Junior Year**

**First Semester** **Hours**

PHY 404G Mechanics .....	3
PHY 416G Electricity and Magnetism .....	3
UK Core .....	3
Foreign Language .....	3

\*MA 322 Matrix Algebra and Its Applications  
or Major Related Electives .....

**Second Semester**

PHY 417G Electricity and Magnetism .....	3
Foreign Language .....	3
UK Core .....	3
Major Related Electives .....	3
Elective .....	3

**Senior Year**

**First Semester** **Hours**

PHY 402G Electronic Instrumentation and Measurements .....	3
PHY 520 Introduction to Quantum Mechanics I .....	3
PHY 522 Thermodynamics and Statistical Physics (suggested) .....	3
PHI 300+ course .....	3
Elective .....	3

**Second Semester**

PHY 521 Introduction to Quantum Mechanics II .....	3
PHY 535 Advanced Physics Laboratory .....	3
Social Sciences 300+ .....	3
Elective .....	4

*\*A total of 14 credit hours in math, computer science, chemistry, engineering or other areas related to physics but outside the department must be completed to satisfy the college requirement. One-hundred-level freshman courses may not be counted for the major requirements except for CS 115 which may be counted.*

**Minor in Physics**

PHY 231 General University Physics

**and**

PHY 241 General University Physics Laboratory

**OR**

PHY 211 General Physics ..... 5

PHY 232 General University Physics

**and**

PHY 242 General University Physics Laboratory

**OR**

PHY 213 General Physics ..... 5

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

PHY 228 Optics, Relativity and Thermal Physics ..... 3

MA 213 Calculus III ..... 4

PHY 361 Principles of Modern Physics ..... 3

**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 sub-field of judicial politics and legal studies; study of the institutions, behavioral patterns, and public policies that define the American political system;

- Comparative Politics – study of the institutions, policies, and mass behaviors observed in political systems outside the United States, usually explored through comparison within or across regions of the world;

- International Relations – study of the international system as a whole, as well as of the actors (such as nation-states, corporations, and international organizations) who participate in shaping diplomatic, military, and economic outcomes within that system;

and

- Theory/Methodology – study of the values, concepts, and analytical methods that shape how people evaluate political life.

Degree recipients take introductory course work in each of these four areas, then pursue advanced studies in one or more of the fields as determined by their interests and/or career goals.

In addition to conveying information about politics and government – necessary background for pursuing graduate work in political science and related fields – Political Science courses at UK are designed to provide students with a broad liberal arts education. Graduates leave the program having cultivated their analytical abilities and having exercised their written and spoken communication skills. Such disciplinary training leads to a wide variety of careers, many of which have no direct political or governmental connection, but is particularly helpful in preparing students for careers such as law, policy analysis, governmental administration, diplomatic service, journalism, lobbying, and other sorts of political activity.

Currently the department offers two degree: a Bachelor of Arts and a Bachelor of Science. Most majors choose to pursue the B.A. The primary difference is that B.A. students must complete a minimum of 39 hours at the 300+ level, a requirement that students can fulfill using courses already needed for the major. Earning the B.S. degree, on the other hand, requires completing a minimum of 60 hours in natural, physical, mathematical, and computer sciences. Little of that course work fulfills other degree requirements.

## Bachelor of Arts with a major in POLITICAL SCIENCE

### 120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

#### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

#### III. Intellectual Inquiry in the Social Sciences

PS 235 World Politics ..... 3

#### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

#### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

#### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

#### VII. Quantitative Foundations

Choose one course from approved list ..... 3

#### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

#### IX. Community, Culture and Citizenship in the USA

PS 101 American Government ..... 3

#### X. Global Dynamics

PS 210 Introduction to Comparative Politics ..... 3

**UK Core Hours** ..... **30**

### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... **3**

### College Requirements

I. Foreign Language (*placement exam recommended*) ..... 0-14

#### II. Disciplinary Requirements

a. Natural Science ..... 6  
b. Social Science (*completed by Premajor Requirements*) ..... 6  
c. Humanities (*choose 300+ level courses*) ..... 6

III. Laboratory or Field Work (*completed by PS 372*) ..... 6

IV. Electives ..... 6

**College Requirement hours:** ..... **18-32**

### Premajor/Introductory Requirements

#### Field One – American Politics

PS 101 American Government ..... 3

#### Field Two – Comparative Politics

PS 210 Introduction to Comparative Politics  
or  
PS 212 Culture and Politics in the Third World ..... 3

#### Field Three – International Relations

\*PS 235 World Politics ..... 3

#### Field Four – Theory/Methodology

PS 240 Introduction to Political Theory  
or  
PS 372 Introduction to Political Analysis ..... 3

**Premajor/Intro hours:** ..... **12**

### Major/Core Requirements

After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

#### Disciplinary Courses

Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 399 may **not** be counted toward this requirement. Eligible courses span all four undergraduate fields:

#### Field One – American Politics

##### General American Politics Courses

PS 456G, 458, 470G, 471, 472G, 473G, 474G, 475G, 476G, 479, 480G, 484G, 489G, 557, 580

##### Courses on American Law and Courts

PS 360, 461G, 463G, 465G, 566

#### Field Two – Comparative Politics

PS 210 or 212, 410, 415G, 417G, 419G, 420G, 427G, 428G, 429G, 538

#### Field Three – International Relations

PS 430G, 431G, 433G, 436G, 437G, 439G, 538

#### Field Four – Theory/Methodology

PS 240 or 372, 441G, 442G, 545, 572

*Note: PS 391, 395, 490, and 492 also meet this disciplinary requirement, although the fields will vary depending on the topic.*

#### Other Courses

Choose six hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ..... 6

#### From Outside the Major Department

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies ..... 15

AAS 200, 420 (*also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements*)

ACC 407

AEC 324, 471, 479, 510, 532

AS 328, 330

AN 300

ANT – 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534

APP 200

BSC – *all 200+ level courses*

COM 249, 449, 453

ECO – *all 200+ level courses*

EDC 326, 346

EDL 401

EPE – *all 200+ level courses*

FAM 509, 544, 563

FIN 423

FR 350, 550

GEO – 222, 240, 260, *all 300+ level courses*

GER 264, 317, 319

GWS 200, 350

HIS – *all 200+ level courses*

HJS 324, 325

HON – *all 200+ level courses (except independent work)*

HSM 354

JOU 204, 531, 535

JPN 320, 321, 334, 451G, 461G

LAS 201

MAS 310, 319, 453, 520

MGT 340, 341

MKT 310, 340, 450

NRE – *all 300+ level courses*

PHI – *all 200+ level courses*

PSY – *all 200+ level courses*

RUS 270, 271

SOC – *all 200+ level courses*

SPA 312, 314

ST 500

STA – *all 200+ level courses*

SW 222, 320, 430, 505, 523, 571

WRD 204

**Major/Core hours:** ..... **39**

### Electives

Choose electives to lead to the minimum total of 120 hours required for graduation.

### Total Minimum Hours

**Required for Degree** ..... **120**

*\*Course used towards completion of a UK Core Requirement.*

## Bachelor of Science with a major in POLITICAL SCIENCE

### 120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a PS prefix are not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

### UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

#### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

#### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

#### III. Intellectual Inquiry in the Social Sciences

PS 235 World Politics ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**  
PS 101 American Government ..... 3

**X. Global Dynamics**  
PS 210 Introduction to Comparative Politics ..... 3

**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

I. Foreign Language (*placement exam recommended*) ..... 0-14

II. Disciplinary Requirements

a. Natural Science ..... 3

b. Social Science (*completed by Premajor Requirements*) ..... 3

c. Humanities ..... 3

III. Laboratory or Field Work (*completed by PS 372*)

IV. Electives ..... 6

**College Requirement hours: ..... 12-26**

**Premajor/Introductory Requirements**

**Field One – American Politics**  
PS 101 American Government ..... 3

**Field Two – Comparative Politics**  
PS 210 Introduction to Comparative Politics  
or  
PS 212 Culture and Politics in the Third World ..... 3

**Field Three – International Relations**  
\*PS 235 World Politics ..... 3

**Field Four – Theory/Methodology**  
PS 240 Introduction to Political Theory  
or  
PS 372 Introduction to Political Analysis ..... 3

**Premajor/Intro hours: ..... 12**

**Major/Core Requirements**

After being introduced to each undergraduate field, Political Science majors must take an additional 39 hours of course work that combines both (1) courses within the discipline and (2) courses covering topics related to the discipline but offered by other programs. These 39 hours, of which 24 must be at the 300+ level, are divided as follows.

**Disciplinary Courses**

Students must take 18 additional credit hours of political science course work, of which at least 15 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  
PS 456G, 458, 470G, 471, 472G, 473G, 474G, 475G, 476G, 479, 480G, 484G, 489G, 557, 580  
Courses on American Law and Courts  
PS 360, 461G, 463G, 465G, 566

**Field Two – Comparative Politics**  
PS 210 or 212, 410, 415G, 417G, 419G, 420G, 427G, 428G, 429G, 538

**Field Three – International Relations**  
PS 430G, 431G, 433G, 436G, 437G, 439G, 538

**Field Four – Theory/Methodology**  
PS 240 or 372, 441G, 442G, 545, 572

*Note: PS 391, 395, 490, and 492 also meet this disciplinary requirement, although the fields will vary depending on the topic.*

**Other Courses**

Choose six hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) ..... 6

**From Outside the Major Department**

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies ..... 15

AAS 200, 420 (*also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements*)

ACC 407  
AEC 324, 471, 479, 510, 532  
AIS 328, 330  
AN 300  
ANT – 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534  
APP 200  
BSC – all 200+ level courses  
COM 249, 449, 453  
ECO – all 200+ level courses  
EDC 326, 346  
EDL 401  
EPE – all 200+ level courses  
FAM 509, 544, 563  
FIN 423  
FR 350, 550  
GEO – 222, 240, 260, all 300+ level courses  
GER 264, 317, 319  
GWS 200, 350  
HIS – all 200+ level courses  
HJS 324, 325  
HON – all 200+ level courses (*except independent work*)  
HSM 354  
JOU 204, 531, 535  
JPN 320, 321, 334, 451G, 461G  
LAS 201  
MAS 310, 319, 453, 520  
MGT 340, 341  
MKT 310, 340, 450  
NRE – all 300+ level courses  
PHI – all 200+ level courses  
PSY – all 200+ level courses  
RUS 270, 271  
SOC – all 200+ level courses  
SPA 312, 314  
ST 500  
STA – all 200+ level courses  
WRD 204

**Major/Core hours: ..... 39**

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation.

**Total Minimum Hours Required for Degree ..... 120**

*\*Course used towards completion of a UK Core Requirement.*

**Minor in Political Science**

The minor in political science requires a prerequisite course (PS 101) and 18 hours of course work at the 200 level or above to be distributed as follows:

1. Six hours of 200 level courses, three hours of which must be either PS 210, PS 212, or PS 235.
2. Four other courses, at least three of which must be at the 400 or 500 level.

**PSYCHOLOGY**

The undergraduate curriculum in psychology includes courses in the major content areas of psychology. The program provides course work emphasizing the fundamental concepts and techniques of this basic behavioral science. In addition to course work, the program provides for experience in conducting and analyzing laboratory and field research.

**Bachelor of Arts with a major in PSYCHOLOGY**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**  
Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**  
PSY 100 Introduction to Psychology  
or approved equivalent transfer course ..... 3-4

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
Choose one course from approved list ..... 3

**V. Composition and Communication I**  
CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
PSY 215 Experimental Psychology ..... 4  
PSY 216 Applications of Statistics  
in Psychology ..... 4

**IX. Community, Culture and Citizenship in the USA**  
Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 35-36**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3**College Requirements****I. Foreign Language (placement exam***recommended*) ..... 0-14**II. Disciplinary Requirements**a. Natural Science (*partially completed by PSY 312; and to complete this requirement, consider either PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone Requirement*) ..... 3b. Social Science (*completed by Premajor and Major Requirements*)

c. Humanities ..... 6

**III. Laboratory or Field Work (completed by Premajor Requirement)**

IV. Electives ..... 6

**College Requirement hours:** ..... 15-29**Premajor Requirements**

\*PSY 100 Introduction to Psychology ..... 4

**or**

^PSY 11-- ..... 3

PSY 195 Orientation to Psychology ..... 1

\*PSY 215 Experimental Psychology ..... 4

**Premajor hours:** ..... 8-9**Major Requirements****Major Core Requirements**

\*PSY 216 Applications of Statistics in Psychology ..... 4

**plus** four of the following five courses:

PSY 223 Developmental Psychology ..... 3

PSY 311 Learning and Cognition ..... 3

†PSY 312 Brain and Behavior ..... 3

PSY 313 Personality and Individual Differences ..... 3

PSY 314 Social Psychology and Cultural Processes ..... 3

**Major Core hours:** ..... 16**Other Course Work Required for the Major****From the Major Department:****Advanced Lecture/Lab** ..... 4

Choose from: PSY 427, 430, 440, 450, 456, 460, 552

**Capstone Option** ..... 3-8

Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, 565, 566

**Electives** ..... 0-5

Choose from: PSY 223, 302, 331, 395, 399, 459, 533, 558

**From Outside the Major Department**

Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ..... 14

**Other Major hours:** ..... 26**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 5

**Total Minimum Hours Required for Degree** ..... 120

\*Course used towards completion of a UK Core Requirement.

^This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an

accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

†Course used toward completion of the College Natural Science requirement.

**Bachelor of Science with a major in PSYCHOLOGY****120 hours (minimum)**Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: with the exception of PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565, courses with a PSY prefix are *generally* not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.**UK Core Requirements****See the UK Core section of this Bulletin for the complete UK Core requirements.** The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**PSY 100 Introduction to Psychology  
or approved equivalent transfer course ..... 3-4**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

PSY 215 Experimental Psychology ..... 4

PSY 216 Applications of Statistics  
in Psychology ..... 4**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours** ..... 35-36**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3**College Requirements****I. Foreign Language (placement exam***recommended*) ..... 0-14**II. Disciplinary Requirements**a. Natural Science (*completed by PSY 312*)b. Social Science (*completed by Premajor Requirement*)

c. Humanities ..... 3

**III. Laboratory or Field Work (completed by Premajor Requirement)**

IV. Electives ..... 6

**College Requirement hours:** ..... 9-23**Premajor Requirements**

\*PSY 100 Introduction to Psychology ..... 4

**or**

^PSY 11-- ..... 3

PSY 195 Orientation to Psychology ..... 1

\*†PSY 215 Experimental Psychology ..... 4

**Premajor hours:** ..... 8-9**Major Requirements****Major Core Requirements**

\*†PSY 216 Applications of Statistics in Psychology .. 4

**plus** four of the following five courses:

PSY 223 Developmental Psychology ..... 3

PSY 311 Learning and Cognition ..... 3

†PSY 312 Brain and Behavior ..... 3

PSY 313 Personality and Individual Differences ..... 3

PSY 314 Social Psychology  
and Cultural Processes ..... 3**Major Core hours:** ..... 16**Other Course Work Required for the Major****From the Major Department:****Advanced Lecture/Lab** ..... 4

Choose from: PSY 427, 430, 440, 450, †456, 460, 552

**Capstone Option** ..... 3-8

Choose from: PSY 495 and 496, 499, 500, 534, 535, 561, 562, 563, 564, †565, 566

**Electives** ..... 0-5

Choose from: PSY 223, 302, 331, 395, 399, 459, 533, 558

**From Outside the Major Department**

Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here ..... 14

**Other Major hours:** ..... 26**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 5

**Total Minimum Hours Required for Degree** ..... 120

\*Course used towards completion of a UK Core Requirement.

^This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

†Course used toward completion of the College 60-hour requirement.

**Minor in Psychology**

The minor in psychology requires a minimum of 19-20 hours to include the following:

**1. Prerequisite courses**

- PSY 100 Introduction to Psychology or equivalent ..... 3-4
- PSY 215 Experimental Psychology ..... 4

**2. All of the following courses:**

- PSY 311 Learning and Cognition ..... 3
- PSY 312 Brain and Behavior ..... 3
- PSY 313 Personality and Individual Differences ..... 3
- PSY 314 Social Psychology and Cultural Processes .... 3

**B.A. or B.S. with a major in RUSSIAN STUDIES**

The requirements for the B.A. and B.S. with a major in Russian Studies are listed under in this A&S section under *Modern and Classical Languages, Literatures and Cultures*.

**SOCIOLOGY**

Sociology emphasizes the study of human behavior and basic social processes. The discipline provides excellent preparation for careers in a variety of occupations and professions including planning and community development, law, public relations and advertising, personnel administration, private business and government administration, health and human services, family relations, criminal justice fields, and others.

Students may major or minor in sociology. The department offers a Bachelor of Arts and a Bachelor of Science through the College of Arts and Sciences. Students may also complete a second major or minor in sociology even though they are enrolled in other colleges. In addition, students seeking certification in social studies education at the secondary level through the College of Education may also emphasize sociology in their programs.

Courses offered by the department cover a wide range of topics and issues. Areas such as social inequalities, work, organizations, economy, globalization, family, community, environment, crime, law and deviance comprise a large part of the curriculum. Students may also pursue special readings courses and experiential education placements or internships through the department.

**Bachelor of Arts with a major in SOCIOLOGY**

**120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 119.

**UK Core Requirements**

See the *UK Core* section of this Bulletin for the complete **UK Core requirements**. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**

Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**

Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**

Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**

Choose one course from approved list ..... 3

**V. Composition and Communication I**

CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**

CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**

Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**

Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**

Choose one course from approved list ..... 3

**X. Global Dynamics**

Choose one course from approved list ..... 3

**UK Core Hours ..... 30**

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours: ..... 3**

**College Requirements**

I. Foreign Language (*placement exam recommended*) ..... 0-14

II. Disciplinary Requirements ..... 6

a. Natural Science ..... 6

b. Social Science (*completed by Premajor and Major Requirements*) ..... 6

c. Humanities ..... 6

III. Laboratory or Field Work (*completed by Major Requirement*) ..... 6

IV. Electives ..... 6

**College Requirement hours: ..... 18-32**

**Premajor Requirements**

- \*SOC 101 Introduction to Sociology or
- CLD 102 The Dynamics of Rural Social Life ..... 3

**plus** one of the following:

- SOC 235 Inequalities in Society
- SOC 299 Introductory Topics in Sociology (Subtitle required) ..... 3

**Premajor hours: ..... 6**

**Major Core Requirements**

- SOC 302 Sociological Research Methods ..... 3
- or
- PSY 215 Experimental Psychology ..... 4

- SOC 303 Quantitative Sociological Analysis ..... 3
- or
- PSY 216 Applications of Statistics in Psychology ..... 4

- SOC 304 Classical Sociological Theory ..... 3
- SOC 305 Contemporary Sociological Theory ..... 3

**Major Core hours: ..... 12-14**

**Other Course Work Required for the Major**

**From the Major Department:**

Choose 15 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level ..... 15

**From Outside the Major Department**

Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. These courses must be chosen from the list that follows, or approved by a Sociology Undergraduate

Advisor ..... 15

**A-H – all 200+ courses**

**AAD** 310, 340, 350, 399, 402, 499

**AAS – all 200+ courses**

**AC – all 200+ courses**

**AEC** 201, 302, 303, 304, 305, 309, 316, 320, 324, 341, 445G, 471, 479, 483, 510, 532

**AED – all 200+ courses**

**AEN** 463G

**AIS** 328, 330, 331, 435

**ANT – all 200+ courses**

**APP – all 200+ courses**

**ARC** 222, 223, 314, 315, 324, 325, 332, 333, 461, 511, 512, 513, 514, 515

**BIO** 325, 375

**BSC** 331, 527, 529, 546

**CLA** 210, 229, 230, 301, 302, 390, 450G, 509

**CLD – all 200+ courses**

**COM** 249, 252, 281, 325, 350, 351, 365, 381, 449, 452, 453, 454, 462, 525, 571, 581

**CPC** 501

**ECO – all 200+ courses**

**EDL** 401

**EDP** 202, 518, 522, 548, 557, 580

**EDS** 516, 547

**EDU** 305

**ENG** 211, 212, 230, 231, 232, 233, 234, 261, 262, 264, 270, 271, 281, 283, 310, 330, 331, 332, 333, 334, 335, 336, 381, 382, 480G, 481G, 482G, 483G, 485G, 486G, 487G, 488G, 519, 570, 572

**ENS – all 200+ courses**

**EPE** 301, 317, 554, 555, 557, 570

**FAM** 253, 254, 255, 350, 352, 357, 360, 390, 402, 475, 502, 509, 544, 553, 554, 563, 585

**FCS – all 200+ courses**

**FR** 350, 465G, 470G, 504, 550, 553, 570

**GEN** 200, 300, 301, 501

**GEO – all 200+ courses**

**GER** 263, 264, 311, 312, 317, 319, 361, 415G, 416G, 420G

**GRN** 585

**GWS** – all 200+ courses  
**HES** – all 300+ courses  
**HIS** – all 200+ courses  
**HJS** 324, 325, 425  
**HMT** 210, 270, 320, 330, 460, 470, 480, 488  
**HON** – all 200+ courses  
**HP** 501  
**HSE** 510  
**HSM** 260, 351, 353, 354, 450, 451, 452, 510, 511  
**HUM** – all 300+ courses  
**IEC** 508, 509, 552  
**ISC** 311, 321, 331, 341, 351, 361, 371, 431, 441, 451, 461, 491, 497, 541, 543  
**ITA** 443G, 563, 566, 569  
**JOU** 304, 319, 430, 455, 460, 485, 531, 532, 535  
**JPN** 320, 321, 334, all 400+ courses  
**KHP** 300, 330, 430, 485, 547, 573, 580, 585  
**LA** 205, 206  
**LAS** – all 200+ courses  
**LIN** 210, 211, 212, 310, 317, 519  
**MAS** 201, 300, 310, 319, 355, 453, 482, 520, 525, 555  
**MAT** 247, 315, 414, 425, 470, 480, 522, 533, 547  
**MGT** 301, 309, 320, 340, 341, 390, 410, 430, 491, 492, 499  
**MKT** 300, 310, 320, 330, 340, 390, 410, 430, 435, 445, 450  
**MUS** 201, 202, 203, 206, 222, 300, 301, 302, 303, 325, 330, 390, 400G, 500, 501, 502, 503, 504, 505, 506  
**NFS/DHN** 516  
**NRE** 301, 320, 330, 355, 381  
**NUR** 510, 512, 514  
**OR** 524, 525  
**PHI** – all 200+ courses  
**PHR** 222, 520  
**PS** – all 200+ courses  
**PSY** – all 200+ courses  
**RC** 515, 516, 520, 530, 540, 547  
**RUS** 270, 271, 370, 380, 381, 400G, 499  
**SPA** 312, 314, 320, 322, 324, 361, 424, 432, 434, 438G, 444, 454, 464, 474, 553  
**ST** 500  
**STA** – all 200+ courses  
**SW** 222, 300, 320, 322, 354, 400, 401, 421, 430, 444, 445, 450, 470, 505, 510, 514, 515, 516, 523, 571, 580, 595  
**UK** 301

**Other Major hours:** ..... 30

**Electives**

Choose electives to lead to the minimum total of 120 hours required for graduation ..... 5

**Total Minimum Hours Required for Degree** ..... 120

*\*Course used towards completion of a UK Core Requirement.*

**Bachelor of Science with a major in SOCIOLOGY**

**120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a SOC prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 119-120.

**UK Core Requirements**

See the **UK Core** section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

**I. Intellectual Inquiry in Arts and Creativity**  
 Choose one course from approved list ..... 3

**II. Intellectual Inquiry in the Humanities**  
 Choose one course from approved list ..... 3

**III. Intellectual Inquiry in the Social Sciences**  
 Choose one course from approved list ..... 3

**IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**  
 Choose one course from approved list ..... 3

**V. Composition and Communication I**  
 CIS/WRD 110 Composition and Communication I ..... 3

**VI. Composition and Communication II**  
 CIS/WRD 111 Composition and Communication II ..... 3

**VII. Quantitative Foundations**  
 Choose one course from approved list ..... 3

**VIII. Statistical Inferential Reasoning**  
 Choose one course from approved list ..... 3

**IX. Community, Culture and Citizenship in the USA**  
 Choose one course from approved list ..... 3

**X. Global Dynamics**  
 Choose one course from approved list ..... 3

**UK Core Hours** ..... 30

**Graduation Writing Requirement**

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement Hours:** ..... 3

**College Requirements**

**I. Foreign Language (placement exam recommended)** ..... 0-14

**II. Disciplinary Requirements**

a. Natural Science ..... 3

b. Social Science (completed by Premajor and Major Requirements) ..... 3

c. Humanities ..... 3

**III. Laboratory or Field Work (completed by Major Requirement)** ..... 6

**IV. Electives** ..... 6

**College Requirement hours:** ..... 12-26

**Premajor Requirements**

\*SOC 101 Introduction to Sociology  
 or  
 CLD 102 The Dynamics of Rural Social Life ..... 3

**plus** one of the following:  
 SOC 235 Inequalities in Society  
 SOC 299 Introductory Topics in Sociology (Subtitle required) ..... 3

**Premajor hours:** ..... 6

**Major Core Requirements**

SOC 302 Sociological Research Methods ..... 3  
 or  
 PSY 215 Experimental Psychology ..... 4

SOC 303 Quantitative Sociological Analysis ..... 3  
 or  
 PSY 216 Applications of Statistics in Psychology ..... 4

SOC 304 Classical Sociological Theory ..... 3

SOC 305 Contemporary Sociological Theory ..... 3

**Major Core hours:** ..... 12-14

**Other Course Work Required for the Major**

**From the Major Department:**

Choose 15 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level ..... 15

**From Outside the Major Department**

Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. These courses must be chosen from the list that follows, or approved by a Sociology Undergraduate

Advisor ..... 15  
 , 355

**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**

**Hours**

**Prerequisites**

SOC 101 Introduction to Sociology  
 or  
 CLD 102 The Dynamics of Rural Social Life ..... 3  
**and**  
 Any other 100- or 200-level sociology course ..... 3

**Premajor Hours** ..... 6

**Minor Requirements**

Students complete an additional 15 hours in sociology, at least 3 of which must be at the 400 level or above and must include **one** of the following six-hour blocks:

- SOC 302 (or PSY 215) **and** SOC 303 (or PSY 216)
- or
- SOC 304 and SOC 305
- or
- SOC 302 (or PSY 215) **and** SOC 304

## 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 17 hours of course work is required to complete the minor, as follows:

#### Track 1

STA 291 Statistical Methods .....	3
STA 295 The Art and Practice of Probability .....	3
STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling .....	4
STA 422G Basic Statistical Theory II .....	4

#### Track 2

STA 320 Introductory Probability .....	3
STA 321 Basic Statistical Theory I .....	3
STA 322 Statistical Methods in Nonparametric Inference and Survey Sampling .....	4
STA 422G Basic Statistical Theory II .....	4

**plus** one relevant course from the student's area (3 credit hours) to be approved by the Department of Statistics.

## INTERDISCIPLINARY MINORS

### African American Studies

The minor in African American Studies provides students with an opportunity to examine the contributions of established academic disciplines towards the understanding of African peoples, particularly those peoples in the New World. It also provides a framework for research and analysis of issues which focus on African American experiences in artistic, literary, historical, and sociopolitical environments. The minor requires 21 hours of study as follows:

1. AAS 200 Introduction to African-American Studies
2. AAS 400 Special Topics in African-American Studies
3. AAS 401 Independent Reading and Research in African-American Studies
4. a. At least six hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:

ENG 264 Major Black Writers  
FR 504 Topics in French Literature and Culture (if appropriate)  
HIS 254 History of Sub-Saharan Africa  
HIS 260 African American History to 1865  
HIS 261 African American History 1865-Present  
HIS 360 Race and Sports in America  
HIS 585 The Age of Jim Crow, 1880-1930  
MUS 300 History of Jazz

4. b. At least six hours in the social sciences (as approved by the African American Studies Committee). Among these are:

AAS 432 Race and Ethnic Relations  
ANT 326 People and Cultures of Sub-Saharan Africa  
EDC 550 Education in a Culturally Diverse Society  
GEO 336 Geography of Sub-Saharan Africa  
PS 417G Survey of Sub-Saharan Politics  
PS 461G Civil Liberties  
PS 471 Race, Ethnicity and Politics  
SOC 235 Inequalities in Society

**NOTE:** Courses in English and history are strongly recommended.

For further information, contact: Director Frank X. Walker, [fxw2@uky.edu](mailto:fxw2@uky.edu); 102 Breckinridge Hall 0056, (859) 257-3593.

<https://aaas.as.uky.edu/>

### American Studies

American studies draws together diverse disciplines to examine the historical and contemporary forms and issues of our national life. The program in American Studies takes as its field of study any peoples, cultural expressions and social institutions, however or whenever identified as "American." Program curricula link faculty, courses, and students across a range of humanities, arts, and social science departments.

The minor centers on two interdisciplinary seminars on selected topics in American studies. Students electing the minor are also encouraged to take a range of elective courses to complement their major. The minor in American Studies prepares students for further graduate or professional training, or for work in education, government, or business.

The minor requires 18 hours of study as follows:

1. IAS 301 Topics in American Culture
2. IAS 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or six hours) may be taken in any one discipline:

**Art History:** A-H 342

**Anthropology:** ANT 221, ANT 342, ANT 470G, ANT 527, ANT 534

**English:** ENG 310, ENG 480G

**Geography:** GEO 320, GEO 321, GEO 322, GEO 490G

**History:** HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 581, HIS 582, HIS 584, HIS 585, HIS 586, HIS 596

**Linguistics:** LIN 317

**Music:** MUS 206, MUS 222, MUS 300, MUS 301, MUS 506

**Philosophy:** PHI 514

**Political Science:** PS 430G, PS 456G, PS 458, PS 461G, PS 463G, PS 465G, PS 470G, PS 475G, PS 479, PS 484G, PS 545

**Sociology:** SOC 340, SOC 534

For further information, contact: Director Andy Doolen, [avdool2@uky.edu](mailto:avdool2@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.

<http://american-studies.as.uky.edu/>

### Appalachian Studies

This minor offers the student with serious interests in Appalachian regional studies an opportunity to pursue a minor concentration to complement a major in one of the university's professional or liberal arts programs. This interdisciplinary program enables students to comprehend more fully the history, health, social structure, environment, and culture of the region – its people, its challenges, and its future.

The minor in Appalachian Studies requires 18 hours of course work to include the following:

1. APP 200 Introduction to Appalachian Studies
2. Choose fifteen hours of Appalachian Studies courses. These courses must be chosen from the list below, or current courses listed on the Web site approved by the Director of Appalachian Studies:

APP 300 Topics in Appalachian Studies (Subtitle required)  
APP 395 Independent Study  
APP 399 Practicum  
ENG 232 Literature and Place (if appropriate)  
GEO 365 Special Topics in Regional Geography (Subtitle required) (if appropriate)  
HIS 579 History of the New South  
HIS 580 History of Appalachia  
MUS 301 Appalachian Music  
PS 456G Appalachian Politics  
SOC 343 Political Sociology (if appropriate)  
SOC 534 Sociology of Appalachia  
SOC 735 Topical Seminar in Social Inequalities (if appropriate)

**Note:** Introduction to Appalachian Studies (APP 200) is strongly recommended. Individually arranged courses in independent study and experiential education may be counted toward the minor if approved by the Appalachian Studies Program Director. Special Topics courses offered by the various departments may also be counted, if appropriate.

For more information, contact: Director Ann Kingsolver, [ann.kingsolver@uky.edu](mailto:ann.kingsolver@uky.edu); 624 Maxwellton Ct. 0347, (859) 257-4852.

<http://appalachiancenter.as.uky.edu/>

For a current listing of courses and further information, visit:

<http://appalachiancenter.as.uky.edu/appal-courses>.



## Cognitive Science

The undergraduate minor in Cognitive Science is aimed to provide undergraduates with an introduction to cognitive science as a theory of the mind as an intelligent (information-processing) system. Our objectives are to ensure that each student (a) be able to articulate, at least in broad terms, some of the assumptions that have been thought to unify the various subfields within the domain of cognitive science; (b) explore more than one discipline's approach to matters pertaining to cognitive science; and (c) explore in some detail at least one of the five main disciplines contributing to cognitive science (biology, computer science, linguistics, philosophy, and psychology). CGS 500 (Cognitive Science in Theory and Practice) will be run with the aim in mind of getting students to satisfy (a); and distribution requirements aim to put students in a position to satisfy (b) and (c).

To receive an undergraduate minor in Cognitive Science, the student must successfully complete 18 credit hours to be distributed as follows:

1. CGS 500 Cognitive Science in Theory and Practice ..... 3
2. **Fifteen credits** from among the following:
  - \*ANT 332 Human Evolution
  - BIO 375 Behavioral Ecology and Sociobiology
  - BIO 535 Comparative Neurobiology and Behavior
  - BIO 550 Comparative Physiology
  - BIO 556 Communication Biology
  - COM 350 Language and Communication
  - CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
  - CS 463G Introduction to Artificial Intelligence
  - \*CS 521 Computational Sciences
  - CS 536 Situated Computing
  - CS 575 Models of Computation (may not be combined with PHI 520)
  - LIN 210 History of the English Language
  - LIN 211 Introduction to Linguistics I
  - LIN 212 Introduction to Linguistics II
  - LIN 509 Semantics and Pragmatics
  - LIN 512 Analysis of English Syntax
  - \*LIN 513 Teaching English as a Second Language
  - LIN 515 Phonological Analysis
  - LIN 516 Grammatical Typology
  - LIN 517 Special Topics in Linguistics (Subtitle required)
  - LIN 519 Historical Linguistics
  - PHI 320 Symbolic Logic I
  - PHI 361 Biology and Society
  - PHI 520 Symbolic Logic II (may not be combined with CS 375, 575, or 675)
  - PHI 560 Philosophy of Scientific Method
  - PHI 565 Philosophy of Language
  - PHI 575 Philosophy of Mind
  - \*PSY 223 Developmental Psychology
  - PSY 311 Learning and Cognition
  - PSY 312 Brain and Behavior
  - PSY 427 Cognitive Processes
  - PSY 456 Behavioral Neuroscience
  - PSY 552 Animal Behavior
  - PSY 562 Advanced Topics in Cognitive Psychology (Subtitle required)
  - PSY 564 Advanced Topics in Learning (Subtitle required)
  - PSY 565 Advanced Topics in Neuroscience (Subtitle required)
  - \*PSY 566 Advanced Topics in Social Psychology (Subtitle required)

Of the fifteen credit hours of courses from this list, (1) at least six credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than six credit hours from any single discipline will count towards satisfaction of the requirement.

*\*Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.*

For more information, contact: Director Philipp Kraemer, [pjkrac00@uky.edu](mailto:pjkrac00@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.  
<http://idp.as.uky.edu/cognitive-science>

## Environmental Studies

Environmental considerations permeate almost every facet of modern life, and concern for "the environment" is practically universal as we approach the twenty-first century. The minor in Environmental Studies is designed to provide students with the opportunity to become conversant in a range of environmental topics, whether as private citizens in their daily lives or as professional members of corporate, government, legal, medical, and educational circles.

The minor draws on topics and perspectives from the natural and physical sciences, the social sciences, and the humanities to underscore the interdisciplinary nature of environmental issues and problems. Students taking the minor are encouraged to integrate the program with their major study focus in order to gain a competitive advantage in grappling with environmental topics.

The minor in Environmental Studies requires 18 hours of course work including the following:

1. ENS 200 Introduction to Environmental Studies ..... 3
2. Six hours chosen from the following list of **sociocultural** perspectives:\*
  - ANT 375 Ecology and Social Practice ..... 3
  - GEO 235 Environmental Management and Policy ..... 3
  - GEO 550 Sustainable Resource Development and Environmental Management ..... 3
  - PS 391 Special Topics in Political Science (Subtitle required) ..... 3
  - PS 456G Appalachian Politics ..... 3
  - ENS 300 Special Topics (Subtitle required) ..... 3
  - ENS 395 Independent Work ..... 3
3. Six hours chosen from the following list of **science and technology** perspectives:\*
  - FOR 205 Forest and Wildland Soils and Landscapes .... 4
  - FOR 340 Forest Ecology ..... 4
  - FOR 350 Silviculture ..... 4
  - GEO 230 Weather and Climate ..... 3
  - GLY/EES 341 Landforms ..... 3
  - GLY/EES 585 Hydrogeology ..... 3
  - BIO 325 Ecology ..... 4
  - ENS 300 Special Topics (Subtitle required) ..... 3
  - ENS 395 Independent Work ..... 3

4. ENS 400 Senior Seminar (Subtitle required)\* ..... 3

*\*For other acceptable courses, consult the Director of the Environmental Studies Program.*

At least six of the twelve elective hours must be at the 300-level or above.

Elective courses must be drawn from outside the student's major.

Alternative elective courses may be approved by the Environmental Studies Program Director.

For further information, contact: Director David Atwood, [datwood@uky.edu](mailto:datwood@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.  
<http://idp.as.uky.edu/idp-environmental-studies>

## Indian Culture

This minor is designed to allow students to develop a more profound understanding of Indian culture. The curriculum is strongly interdisciplinary, encompassing courses in linguistics, anthropology, English, geography, mathematics, philosophy, political science, and sociology.

Students completing the minor will possess: (1) an ability to read Sanskrit (vital for comprehending Indian culture); (2) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (3) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

The minor in Indian Culture requires 18 hours of course work, as follows:

1. **Sanskrit Language Courses** (6 hours)
  - LIN 520 Sanskrit I ..... 3
  - LIN 521 Sanskrit II ..... 3
2. Twelve hours of courses on India from anthropology, English, geography, linguistics, mathematics, philosophy, political science, sociology, and independent studies in India. Students choose from the following courses:
  - ANT 327 Culture and Societies of India ..... 3
  - GEO 330 Geography of the Indian Subcontinent ..... 3
  - GEO 365 Special Topics in Regional Geography (Subtitle required) ..... 3
  - GEO 565 Topics in Geography ..... 3
  - LIN 395 Independent Work ..... 3
  - MA 340 History of Mathematics ..... 3
  - PHI 343 Asian Philosophy ..... 3
  - PS 420G Governments and Politics of South Asia ..... 3
  - SOC 380 Globalization: A Cross-Cultural Perspective ..... 3

Students in the Indian Culture minor program will be encouraged to participate in a study program in India in the course of their undergraduate education.

Further information is available at: 1457 Patterson Office Tower 0027, (859) 257-1994.

<http://is.as.uky.edu/indian-studies-program-minor>

**Jewish Studies**

The interdisciplinary minor in Jewish Studies provides students with the opportunity to become acquainted with the culture, language, literature, religion, history, and philosophy of the Jewish people from antiquity to the present. For more information, visit:

[mcl.as.uky.edu/jewish-studies](http://mcl.as.uky.edu/jewish-studies)

The minor in Jewish Studies requires 18 hours of course work as follows:

**1. Required Courses**

HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages .....	3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present .....	3

**2. Elective Courses**

HJS 101 Elementary Hebrew .....	4
HJS 102 Elementary Hebrew .....	4
HJS 201 Intermediate Hebrew .....	3
HJS 202 Intermediate Hebrew .....	3
HJS 326 The Jewish Experience in America .....	3
HJS 327 Women in Judaism .....	3
HJS 495 Independent Study in Judaic Studies .....	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition .....	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE .....	3
HIS 330 A History of Western Religious Thought (I) ...	3
HIS 323 The Holocaust .....	3
ENG 270 The Old Testament as Literature .....	3
HJS 425 Topics in Judaic Studies (Subtitle required) ....	3

And other courses with significant Judaic studies content, as approved by the Director, to a maximum of six credit hours.

For further information, contact: Director Janice Fernheimer, [jfernheimer@uky.edu](mailto:jfernheimer@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.

<http://mcl.as.uky.edu/jewish-studies>

**Latin American, Caribbean, and Latino Studies**

The minor in Latin American, Caribbean, and Latino Studies provides instruction and broad exposure to the society and culture of Latin America. The minor requires a minimum of 18 credit hours to be distributed as follows:

**Premior Requirements**

1. LAS 201 Introduction to Latin America .....	3
2. plus one of the following courses:	
HIS 206 History of Colonial Latin America, 1492 to 1810 .....	3
HIS 207 History of Modern Latin America, 1810 to Present .....	3

**Minor Requirements**

A minimum of 12 credit hours distributed evenly over the following four subject areas:

1. Language Skills (three hours beyond second-year Spanish)
2. Prehistory and History (three hours)
3. Contemporary Latin American Societies (three hours)
4. Literature and the Arts of the Americas (three hours)

For more information, contact: Director Carmen Martinez Novo, [Carmen.martinez@uky.edu](mailto:Carmen.martinez@uky.edu); 1457 Patterson Office Tower 0027, (859) 257-1994.

<http://is.as.uky.edu/latin-american-studies-program-minor>