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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; foreign language and international economics; French; geography; geological sciences; German; history; international studies, Japanese language and literature; linguistics; mathematical economics; mathematics; philosophy, physics; political science; psychology; Russian studies; sociology; writing, rhetoric, and digital studies; and topical studies. The College also offers a Bachelor of Arts with these majors: Chinese language and literature; environmental and sustainability studies; gender and women's studies; health, society, and populations; and Spanish.

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

Undergraduate Certificates in Arts and Sciences

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

- Appalachian Studies
- Peace Studies

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

ADMISSION

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

PROGRAMS AND SERVICES

Academic Advising

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

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

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

All Arts and Sciences students are expected to familiarize themselves with the degree requirements and keep track of requirements. The University has an online degree audit system called APEX (myuk.uky.edu/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 ma-

jors should be addressed to the student's academic advisor.

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

Dean's List

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

Commencement and Departmental Honors

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

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

Scholarships

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

Guide to A&S Departmental Honors Requirements

Major	Cumulative GPA	Criteria
Anthropology	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.
Biology	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.
Chemistry	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.
Chinese Language and Literature	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Classics	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Earth and Environmental Sciences	3.5	3.3 cumulative GPA and senior thesis or 3.5 cumulative GPA or above.
Economics	3.2	3.2 cumulative GPA and a major GPA of 3.2 or above.
English	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 or higher.
French	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Geography	3.5	3.5 cumulative GPA and major GPA of 3.5 or above.
German	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Hispanic Studies	3.5	3.5 cumulative GPA or above in 300-500 level Spanish courses.

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Guide to A&S Departmental Honors Requirements, continued

Major	Cumulative GPA	Criteria
History	3.5	minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of A or B in HIS 499.
International Studies	3.5	3.5 cumulative GPA and major GPA of 3.5 or above.
Japanese Language and Literature	3.5	3.5 cumulative GPA and major GPA of 3.75 or above.
Linguistics	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).
Mathematical Economics	3.2	3.2 cumulative GPA or above and 3.2 major GPA or above.
Mathematics	3.5	3.5 cumulative GPA or above.
Philosophy	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.
Physics	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.
Political Science	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 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.
Psychology	3.5	3.6 major GPA or above and successful completion of PSY 495 and PSY 496.
Russian Studies	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Sociology	3.5	3.5 cumulative GPA or above.
Topical	3.6	3.6 cumulative GPA or above and recommendation of the Associate Dean based on the final thesis.

College Policy on Learning Disabilities

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

Readmission After a Two-Year Absence

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

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

ACADEMIC SUSPENSION AND REINSTATEMENT

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

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

THE BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREE

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

The B.S. degree requires **three hours** in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires **60 hours of physical, biological and/or mathematical sciences**.

The B.A. degree requires **six hours** in college disciplinary requirements for the natural sciences, social sciences and humanities beyond those required for the UK Core and requires **39 hours in course work numbered at or above the 300 level**.

College Requirements for a Bachelor of Arts Degree

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

To receive the Bachelor of Arts degree, students must:

1. Complete the UK Core requirements.¹
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**
3. Complete at least **120** credit hours in courses acceptable to the College of Arts and Sciences.²
4. Complete at least **90** credit hours in Arts and Sciences courses.³
5. Complete at least **39** credit hours in courses numbered at or above the 300 level.⁴
6. Complete at least **39** credit hours within the major. At least 24 of these hours must be at or above the 300 level.
7. Complete at least one course that includes some laboratory or field experience. (See the description of the *College Laboratory or Field Experience Requirement* which follows.)
8. Attain an overall grade-point average of at least 2.0.
9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor 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.

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

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

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

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

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

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

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

d. Students must take **six** college hours in disciplines in the humanities.

3. Complete at least **120** credit hours in courses acceptable to the College of Arts and Sciences.²

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

5. Complete at least **39** credit hours in courses numbered at or above the 300 level.⁴

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

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

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

9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor 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.¹
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**
 - iii. To demonstrate your proficiency in a language not taught at UK, contact the Office of International Affairs with regard to taking a proficiency exam. You are responsible for any costs related to testing; **or**
- iv. If you have a specific language-learning disability that is certified through the UK Disability Resource Center, you may petition the College for a substitution of course work in lieu of completing the language courses normally taken for the foreign language requirement; **or**
- v. International students, excluding native speakers of English, automatically fulfill this requirement; **or**
- vi. International students who graduated from a U.S. high school and are unable to provide proficiency exam results may petition the College for a waiver of the College foreign language requirement; students must provide official documentation establishing that English is their second language.
- b. Students must take **three** college hours in disciplines in the natural sciences.[†]

- c. Students must take **three** college hours in disciplines in the social sciences.[†]
- d. Students must take **three** college hours in disciplines in the humanities.
3. Complete at least **120** credit hours in courses acceptable to the College of Arts and Sciences.²
4. Complete at least **90** credit hours in Arts and Sciences courses.³
5. Complete at least **60** credit hours in the physical, biological and/or mathematical sciences.⁵
6. Complete at least **39** credit hours within the major. At least 24 of these hours must be at or above the 300 level.
7. Complete at least one course that includes some laboratory or field experience. (See the description of the *College Laboratory or Field Experience Requirement* which follows.)
8. Attain an overall grade-point average of at least 2.0.
9. Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor requirements).
10. Complete a minimum of **six** credit hours of free electives. These college electives cannot be counted towards UK Core or any other Arts and Sciences major or college requirements.
11. Complete University graduation requirements, the Graduation Writing Requirement, and the residence requirement.

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

NOTES

1. See the *UK Core* section of this Bulletin for a detailed explanation of the requirements.
2.
 - a. 001-099 courses, or courses followed by an “R” designation **cannot** be counted as credit towards a bachelor’s degree.
 - b. Physical education one-hour service courses (KHP) **are** acceptable as electives only and may count toward the total 120 minimum hours needed to graduate. Only **one** successful completion of multiple completions of the same KHP course will count.
 - c. A maximum of 16 semester credit hours earned in military science (AMS) and aerospace studies (AFS) are acceptable towards fulfilling both the College 90-hour and 120-hour requirement for the B.A. or B.S. degree. AMS/HIS 320 is not included in this 16 hour limit.
 - d. A maximum of 12 semester credit hours earned in experiential education and internship courses (EXP 396, departmental 399 courses) will be accepted. For ANT 399, SOC 399 and SPA 399, a maximum of 15 semester credit hours can be earned. See *Experiential Education and Internship Course* section within the Arts and Sciences section of the Bulletin.
 - e. All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
 - f. Courses transferred from other institutions and judged by the College to be equivalent or comparable to Arts and Sciences courses are acceptable.
 - g. Usually the College will apply only six hours of technical course work taken at any institution.

- h. The student is permitted to elect and count toward graduation courses in other colleges within the University of Kentucky or their equivalent from other institutions, not to exceed 30 hours. Hours taken in the other colleges at UK gained during the junior and senior years may, if at the 200-level or above, be counted towards the major requirements with approval from the Director of Undergraduate Studies/Program Director and the College.
 - i. Courses with an “S” grade designation or a “place holder” designation such as NSE (National Student Exchange) for 1 credit hour **cannot** be counted as credit toward a bachelor’s degree in Arts & Sciences. ISP 599, 1 credit hour, **can count** towards the A&S “hours” requirements for the degree.
3. Courses classified as Arts and Sciences courses for purposes of the 90-hour requirement include all courses offered by the College of Arts and Sciences; all art history courses; all courses in music and theatre appreciation and ART 100 plus the history of music and theatre; 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 and 233 will count towards the 39 credit hours in courses numbered at or above the 300 level needed for degree requirements. Please note that courses numbered 800-899 cannot be counted as 300-level and above for the purpose of completing the 39 hours needed for the degree.
 5. The following courses will count toward the required 60 credit hours in the physical, biological and/or mathematical sciences hours for the Bachelor of Science degree: all courses with a MA prefix (except MA 108R); all anatomy courses; all physiology courses; all biochemistry courses; all statistics courses; all computer science courses; DHN 101; ECO 391; GEO 130, GEO 230, GEO 351, GEO 451G, and GEO 530; PHI 120 and PHI 320; PSY 215, PSY 216, PSY 312, PSY 456, and PSY 565; and ANT 230, 332, and 333.

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

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

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

Natural Sciences

1. All courses offered by Arts and Sciences departments or programs within the disciplines of the natural sciences including courses with the following departmental prefixes: **AST, BIO, CHE, EES, PHY**.
2. The following courses may also be used to satisfy the Arts and Sciences College 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
 - DHN 101
 - ENS 200, 400
 - ENT 110, 300
 - GEO 130, 135, 230, 351, 451G, 530
 - 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

- 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.
- The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of social sciences:
 - AAS 200, 235, 326, 328, 336, 417G, 432, 471
 - ANT/ENG/LIN 515
 - ANT/ENG/LIN 516
 - ANT/LIN 519
 - ANT/JPN 321
 - CGS 500
 - ENS 200, 400
 - GEO/JPN 334
 - GEO/JPN 551
- The following course **may NOT** be used in the social sciences area: GWS 201.

Humanities

- Excluding the courses listed below**, all courses offered by Arts and Sciences departments or programs within the disciplines of the humanities, including courses with the following prefixes: **A-H, AAS, CLA, ENG, FR, GER, HIS, JPN, LAS, LIN, MCL, PHI, RS, RUS, SPA**, and **HON** courses designated as humanities. Note exceptions in #2 and #3 below.
- 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 102, 207, 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, 401, 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, 205, 306
- The following courses may also be used to satisfy the Arts and Sciences College requirement for course work within the discipline of humanities:
 - AMS 201
 - ANT 515, 516, 519
 - ART 100
 - CGS 500
 - GWS 201, 506
 - MUS 203, 222, 301, 302, 303, 325

College Laboratory or Field Experience Requirement

The college requires its students to complete at least one course that includes some laboratory or field experience. In such courses the external

world is observed in a controlled manner using systematic techniques and methods. A substantial portion of the course must include data collection, data analysis, and hypothesis testing under supervised conditions. The approved courses for the laboratory requirement are:

Natural Sciences

- Biology** – BIO 111, 155, 209
- Chemistry** – CHE 111, 113
- Earth and Environmental Sciences** – EES 160, 220
- Physics** – PHY 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.

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:

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

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

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

Topical Studies Majors

Students who have multiple interests or interests which do not fall into departmental areas may

select a topic for concentration instead of a departmental major. Topical Studies offers academic flexibility and allows students to cut across departmental and college lines in constructing meaningful and imaginative programs. Courses in several departments might be selected to pursue special interests – Asian studies, for instance. Other examples might be African American studies or human studies.

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

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

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

A Second Major

A student may obtain a second major by meeting all requirements in two departments. Major work in one department can, if there is a generic relationship, serve as the outside field in the second major, and vice versa. However, the International Studies major allows a maximum of 15 hours of course work to overlap between two

majors. The student must indicate his or her second major to the A&S Advising Center, 311 Patterson Office Tower. He or she must have an advisor in both departments. If one of the majors is in another college, the student is still required to know the list of requirements from the other college. The student who completes requirements for a second major will receive only one degree, but his or her transcript and diploma will reflect the two majors.

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

A Second Bachelor's Degree

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

Minors

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

- anthropology
- biological sciences
- chemistry
- Chinese language and literature
- classics
- criminology
- economics
- English
- folklore and mythology
- French
- gender and women's studies
- geography
- geology
- German
- history
- international studies

- Islamic studies
- Japan studies
- linguistics
- mapping and GIS
- mathematics
- neuroscience
- philosophy
- physics
- political science
- psychology
- Russian
- sociology
- Spanish
- statistics
- writing, rhetoric and digital media

Interdisciplinary minors are also available in:

- African American studies
- American studies
- Appalachian studies
- cognitive science
- environmental studies
- Indian culture
- Jewish studies
- Latin American, Caribbean, and Latino studies

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

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

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

The Preparation of Teachers

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

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

INFORMATION ON COURSES

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

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

Independent Work Courses

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

Experiential Education and Internship Courses

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

ROTC Program

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

**AEROSPACE STUDIES
(Air Force ROTC)**

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

Admission to the Program

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

Requirements

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

AFROTC Curriculum

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

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

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

Students enrolled as cadets are involved once a week in a one-credit-hour course in the cadet corps training program designed to simulate a typical Air Force organization and its associated functions. This course is known as Leadership

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

Field Training

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

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 126.

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 241 Origins of Old World Civilization
ANT 242 Origins of New World Civilization
ANT 311 Anthropology of Globalization
ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change
or
One course from approved list 3
- UK Core hours: 30**
- Graduation Composition and Communication Requirement (GCCR)**
ANT 582 Senior Integrative Seminar 3
- Graduation Composition and Communication Requirement hours (GCCR) 3**

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science (<i>partially completed by Premajor Requirements</i>)	3
b. Social Science (<i>completed by Premajor Requirements</i>)	6
c. Humanities	6
III. Laboratory or Field Work (<i>can be completed by Major Requirement</i>)	6
IV. Electives	6
College Requirement hours:	15-29

Major Requirements

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

Anthropology Electives

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

From Outside the Major Department

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

Subtotal: Major requirements:

Electives

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

Total Minimum Hours Required for Degree

**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 127.

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

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

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
ANT 221 Native People of North America

or
One course from approved list

X. Global Dynamics

One of the following:

ANT 160 Cultural Diversity in the Modern World

ANT 222 Middle East Cultures

ANT 225 Culture, Environment and Global Issues

ANT 241 Origins of Old World Civilization

ANT 242 Origins of New World Civilization

ANT 311 Anthropology of Globalization

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

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

or
One course from approved list

UK Core hours:

Graduation Composition and Communication Requirement (GCCR)

ANT 582 Senior Integrative Seminar

Graduation Composition and Communication Requirement hours (GCCR)

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

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

6

College Requirement hours:

Major Requirements

ANT 220 Introduction to Cultural Anthropology

ANT 230 Introduction to Biological Anthropology

ANT 240 Introduction to Archaeology

ANT 582 Senior Integrative Seminar

Anthropology Electives

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

From Outside the Major Department

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

Subtotal: Major requirements:

Electives

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

Total Minimum Hours Required for Degree

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

Minor in Anthropology

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

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 126.

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

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

Graduation Composition and Communication Requirement (GCCR)

BIO 350 Animal Physiology
 and
 BIO 425 Biology Seminar (Subtitle required) 5
 or
 WRD 204 Technical Writing 3

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

College Requirements

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 before choosing a physics course.

Other Major hours: 7-9

OPTIONS

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

Option A – Minor Option

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

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

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

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

Total Hours Option A 25-27

Option B – Topical Focus Option

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

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

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

**Biology Electives 13-15

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

Total Hours Option B 25-27

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

A&S 300, 500 (acceptable as upper-level credit **only** when offered by the Department of Biology)
 ABT 460
 ANA 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
 EES 401G
 ENT 310, 320, 360, 402, 460, 561, 564, 568 (ENT 360 is **not** acceptable as an upper-level elective for Biology majors. Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross-listed as ABT/ASC/ENT/PLS 360.)
 FOR 315, 340, 375, 402
 FSC 530
 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 page 127.

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**Graduation Composition and Communication Requirement (GCCR)**BIO 350 Animal Physiology
and

BIO 425 Biology Seminar (Subtitle required) 5

or

WRD 204 Technical Writing 3

Graduation Composition and Communication Requirement hours (GCCR) 3-5**College Requirements**

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 CoreTo 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

EES 401G

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

FOR 315, 340, 375, 402

FSC 530

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

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

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 to include:

Minor Prerequisites

BIO 152 Principles of Biology II or equivalent 3

Minor Requirement**One** of the following:

BIO 302 Introduction to Neuroscience

or

PSY 312 Brain and Behavior 3

Minor Electives

Choose 12 credits from the following courses:

ANA 605 Neurobiology of CNS Injury and Repair 3

ANA 625 Introduction to Functional MRI 1

ANA 780 Special Topics in Neurobiology 1-3

BIO 395 Research in Biology – up to 6 credits

can be used in this category 3-6

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 Neuropharmacology: Drugs and Behavior 3

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

Total Hours: 18

CHEMISTRY

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

Bachelor of Arts with a major in CHEMISTRY

122 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. Please also note that the Organic Chemistry Sequence (CHE 230/231/232/233) will count towards completion of this requirement. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

CHE 372 Communication in Chemistry I 1

CHE 472 Communication in Chemistry II 1

Graduation Composition and Communication Requirement hours (GCCR) 2

College Requirements

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

II. Disciplinary Requirements

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

b. Social Science 6

c. Humanities 6

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

IV. Electives 6

College Requirement hours: 18-32

Premajor Requirements

*MA 113 Calculus I

or

MA 132 Calculus for the Life Sciences 4

MA 114 Calculus II 4

*CHE 105 General College Chemistry I 4

CHE 107 General College Chemistry II 3

*CHE 111 Laboratory to Accompany

General Chemistry I 1

CHE 113 Laboratory to Accompany

General Chemistry II 2

Premajor hours: 18

Major Requirements

Major Core Requirements

CHE 226 Analytical Chemistry 3

CHE 230 Organic Chemistry I 3

CHE 231 Organic Chemistry Laboratory I 1

CHE 232 Organic Chemistry II 3

CHE 233 Organic Chemistry Laboratory II 1

CHE 372 Communication in Chemistry I 1

CHE 440G Introductory Physical Chemistry 4

CHE 441G Physical Chemistry Laboratory 2

CHE 472 Communication in Chemistry II 1

Major Core hours: 19

Other Course Work Required for the Major

Chemistry Major Field Options

Choose 21 hours at the 300-500 level with a prefix of ANA, BCH, BIO, CHE, CME, CS, 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 372 Communication in Chemistry I 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 472 Communication in Chemistry II 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, 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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany
General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 2

College Requirements

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

II. Disciplinary Requirements

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

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 372 Communication in Chemistry I 1

CHE 410G Inorganic Chemistry 2

CHE 412G Inorganic Chemistry Laboratory 2

CHE 441G Physical Chemistry Laboratory 2

CHE 442G Thermodynamics and Kinetics 3

CHE 472 Communication in Chemistry II 1

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 3

Major Core hours: 35

Other Course Work Required for the Major

From the Major Department:

Chemistry Major Field Options 6

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

From the Mathematics Department

MA 213 Calculus III 4

MA 322 Matrix Algebra and its Applications 3

From the Physics Department

*PHY 231/232 General University Physics 8

*PHY 241/242 General University Physics

Laboratory 2

Other Major hours: 23

Total Minimum Hours

Required for Degree 123

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

*Course used towards completion of a UK Core Requirement.

Curriculum for B.S. in Chemistry

Traditional Option

Freshman Year

First Semester **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 372 Communication in Chemistry I 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 472 Communication in Chemistry II 1

CHE 552 Biological Chemistry II

or

Major Field Option 3

UK Core 6

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

Certification Requirements

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

Bachelor of Science with a major in CHEMISTRY**Biochemistry Option****128 hours**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany
General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

CHE 372 Communication in Chemistry I 1

CHE 472 Communication in Chemistry II 1

Graduation Composition and Communication Requirement hours (GCCR) 2

College Requirements

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

II. Disciplinary Requirements

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

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

BIO 150 Principles of Biology I 2

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 372 Communication in Chemistry I 1

CHE 410G Inorganic Chemistry 2

CHE 412G Inorganic Chemistry Laboratory 2

CHE 440G Introductory Physical Chemistry 4

CHE 441G Physical Chemistry Laboratory 2

CHE 472 Communication in Chemistry II 1

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

Major Core hours: 37-38

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

Chemistry Major Field Options 4

Major Field Options must be chosen from the following:

CHE 395; or any CHE 500-level course except for those

required. CHE 395 is strongly recommended for students

having a minimum 3.0 GPA in chemistry courses.

From the Mathematics Department

MA 213 Calculus III 4

From the Physics Department

*PHY 231/232 General University Physics 8

*PHY 241/242 General University Physics

Laboratory 2

Other Major hours: 18

Electives

Choose electives to lead to the minimum total of 128 hours

required for graduation.

Total Minimum Hours

Required for Degree 128

**Course used towards completion of a UK Core Require-*

ment.

**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 372 Communication in Chemistry I 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 472 Communication in Chemistry II	1
Foreign Language**	3
UK Core	3
Elective	3

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

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

Certification Requirements

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

Minor in Chemistry

The minor in Chemistry requires the following:

	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 Geological Sciences. The B.S. program is designed for students who plan a career as a professional geologist or who plan to attend graduate school. The B.A. program is designed for students planning a career in public policy relating to earth science and environmental issues, earth-science education, business (environmental consulting), environmental law, or environmental medicine.

**Bachelor of Arts with a major in
GEOLOGICAL SCIENCES****120 hours (minimum)**

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

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**

Fulfilled by Premajor Requirement – CHE 105/CHE 111

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

Fulfilled by Premajor Requirement – MA 123 or MA 113

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: **24**

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

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

**Graduation Composition and Communication
Requirement hours (GCCR)****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>)	6
IV. Electives	6

College Requirement hours: **18-32**

Premajor Requirements

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

Major Requirements**Major Core Requirements**

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

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

Elective I

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

Elective II

Choose six additional hours of 300+ EES or related courses

NOTE: Fourteen hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY and EES Elective II Requirements

Other Major hours: **0-17**

**Total Minimum Hours
Required for Degree**

120

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in GEOLOGICAL SCIENCES

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Fulfilled by Premajor Requirement – MA 113

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **24**

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

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

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

IV. Electives 6

College Requirement hours: **12-26**

Premajor Requirements

*MA 113 Calculus I 4
MA 114 Calculus II 4
*CHE 105 General College Chemistry I 4

*CHE 111 Laboratory to Accompany
General Chemistry I 1
CHE 107 General College Chemistry II 3
CHE 113 Laboratory to Accompany
General Chemistry II 2
EES 220 Principles of Physical Geology 4
EES 230 Fundamentals of Geology I 3
EES 235 Fundamentals of Geology II 3
EES 295 Geoscience Orientation 1

Premajor hours: **29**

Major Requirements

Major Core Requirements

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

Major Core hours: **25**

Other Course Work Required for the Major

From the Major Department:

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

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

From the Physics Department

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

Other Major hours: **0-18**

Total Minimum Hours Required for Degree **120**

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

Minor in Geological Sciences

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

	Hours
EES 220 Principles of Physical Geology	4
EES 230 Fundamentals of Geology I	3
EES 235 Fundamentals of Geology II	3

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

ECONOMICS

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

The department offers programs leading to different undergraduate degree – a Bachelor of Science in the Gatton College of Business and

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

Bachelor of Arts with a major in ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **31**

Graduation Composition and Communication Requirement (GCCR)

ECO 499 Seminar in Economics (Subtitle required) 3

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

College Requirements

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

College Requirement hours: 19-33

Premajor Requirements

*MA 113 Calculus I or *MA 123 Elementary Calculus and its Applications and MA 162 Finite Mathematics and its Applications	4-7
ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
STA 291 Statistical Methods	3
Premajor hours:	13-16

Major Requirements

Major Core Requirements	
ECO 391 Economic and Business Statistics	3
ECO 401 Intermediate Microeconomic Theory	3
ECO 402 Intermediate Macroeconomic Theory	3
ECO 499 Seminar in Economics (Subtitle required)	3
Major Core hours:	12

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

Choose 9-15 hours of 300+ level economics courses	9-15
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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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity Choose one course from approved list	3
II. Intellectual Inquiry in the Humanities Choose one course from approved list	3
III. Intellectual Inquiry in the Social Sciences Choose one course from approved list	3
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences Choose one course from approved list	3
V. Composition and Communication I CIS/WRD 110 Composition and Communication I	3
VI. Composition and Communication II CIS/WRD 111 Composition and Communication II	3
VII. Quantitative Foundations MA 123 Elementary Calculus and its Applications or MA 113 Calculus I	4
VIII. Statistical Inferential Reasoning Choose one course from approved list	3
IX. Community, Culture and Citizenship in the USA Choose one course from approved list	3
X. Global Dynamics Choose one course from approved list	3
UK Core hours:	31

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

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

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science	3
b. Social Science (<i>completed by Premajor Requirement</i>)	3
c. Humanities	3
III. Laboratory or Field Work	1
IV. Electives	6
College Requirement hours:	13-27

Premajor Requirements

*MA 113 Calculus I or *MA 123 Elementary Calculus and its Applications and MA 162 Finite Mathematics and its Applications	4-7
ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
STA 291 Statistical Methods	3
Premajor hours:	13-16

Major Requirements

Major Core Requirements	
ECO 391 Economic and Business Statistics	3
ECO 401 Intermediate Microeconomic Theory	3

ECO 402 Intermediate Macroeconomic Theory	3
ECO 499 Seminar in Economics (Subtitle required)	3

Major Core hours: 12

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

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

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

	Hours
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 imaginative writing, cultural studies, film, linguistics, 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 126.

UK Core Requirements

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

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

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

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

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

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

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

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

X. Global Dynamics
Choose one course from approved list 3

UK Core Hours **30**

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

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science 6

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

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: **19-33**

Premajor Requirements

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

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

plus one of the following

*ENG 107 Writing Craft: Introduction to Imaginative Writing 3

*ENG 209 The Structure and Use of English 3

*ENG 230 Introduction to Literature 3

Premajor hours: **3**

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

Major Requirements

Major Core Requirements

ENG Historical Survey Requirement 6
Majors **must** take two Historical Survey courses of their choice. Historical Surveys can be taken in any combination and any order. Courses fulfilling the Historical Survey Requirement include:

ENG 241 Survey of British Literature I 3

ENG 242 Survey of British Literature II 3

ENG 251 Survey of American Literature I 3

ENG 252 Survey of American Literature II 3

ENG 265 Survey of African-American Literature I 3

ENG 266 Survey of African-American Literature II 3

ENG 330 Text and Context (Subtitle required) .. 3
Majors **must** complete this core course after completing the premajor requirements and before going on to 400-level courses in the major. ENG 330 fulfills the Graduation Writing Requirement.

ENG Early Period Requirement 0-3
Majors **must** take at least one designated Early Period ENG course of their choice. This requirement will **NOT** be waived. Majors should be careful to choose an appropriate Early Period ENG course accordingly. Courses fulfilling the Early Period Requirement include:

ENG 241 Survey of British Literature I 3

ENG 251 Survey of American Literature I 3

ENG 341 Chaucer and His Contemporaries 3

ENG 342 Shakespeare 3

ENG 343 Renaissance Drama and Society 3

ENG 518 Advanced History of the English Language 3

ENG 519 Introduction to Old English 3

or other Early Period subtitled courses as designated at the 300-400 level 3

Major Core hours: **9-12**

Other Course Work Required for the Major

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

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

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

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

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

Total Major hours: **39-42**

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

Total Minimum Hours Required for Degree **120**

Imaginative Writing Option – B.A.

12 total hours within the ENG program

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

- ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) 3

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

Bachelor of Science with a major in ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Courses with an ENG prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. For the ENG B.S. in particular, majors are allowed to apply an additional 9 hours of elective course work towards the science requirement. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

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

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

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

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

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

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

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

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

X. Global Dynamics
Choose one course from approved list 3

UK Core Hours **30**

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

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

College Requirements

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

College Requirement hours: 13-27

Premajor Requirements

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

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

plus one of the following

*ENG 107 Writing Craft: Introduction

to Imaginative Writing

*ENG 209 The Structure and Use of English

*ENG 230 Introduction to Literature

Premajor hours: 3

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

Major Requirements**Major Core Requirements**

ENG Historical Survey Requirement

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

ENG 241 Survey of British Literature I

ENG 242 Survey of British Literature II

ENG 251 Survey of American Literature I

ENG 252 Survey of American Literature II

ENG 265 Survey of African-American

Literature I

ENG 266 Survey of African-American

Literature II

ENG 330 Text and Context (Subtitle required) ..

Majors **must** complete this core course after completing the premajor requirements and before going on to 400-level courses in the major. ENG 330 fulfills the Graduation Writing Requirement.

ENG Early Period Requirement

Majors **must** take at least one designated Early Period ENG course of their choice. This requirement will **NOT** be waived. Majors should be careful to choose an appropriate Early Period ENG course accordingly. Courses fulfilling the Early Period Requirement include:

ENG 241 Survey of British Literature I

ENG 251 Survey of American Literature I

ENG 341 Chaucer and His Contemporaries

ENG 342 Shakespeare

ENG 343 Renaissance Drama and Society

ENG 518 Advanced History

of the English Language

ENG 519 Introduction to Old English

or other Early Period subtitled courses as designated

at the 300-400 level

Major Core hours: 9-12

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

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

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

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

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

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

From Outside the Major Department

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

Major hours: 39-42

Other Electives

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

**Total Minimum Hours
Required for Degree 120**

Imaginative Writing Option – B.S.**12 total hours within the ENG program**

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

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

Minor in English

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

Any **one** ENG Historical Survey course:

ENG 241 Survey of British Literature I

ENG 242 Survey of British Literature II

ENG 251 Survey of American Literature I

ENG 252 Survey of American Literature II

ENG 265 Survey of African-American Literature I

ENG 266 Survey of African-American Literature II

One core course:

ENG 330 Text and Context (Subtitle required)

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

Combinations may include:

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

or

2. any two 200-level ENG introductory courses, plus any two ENG courses at the 300+ level;
- or
3. any one 200-level ENG introductory course, plus any three ENG courses at the 300+ level;
- or
4. any four ENG courses at the 300+ level.

ENVIRONMENTAL AND SUSTAINABILITY STUDIES

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

Bachelor of Arts with a major in ENVIRONMENTAL AND SUSTAINABILITY STUDIES

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the major requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

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

Recommended:

ECO 101 Contemporary Economic Issues

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 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

After attaining sophomore status, students must complete the Graduation Composition and Communication Requirement. Please see your academic advisor for courses that meet this requirement.

College Requirements

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

II. Disciplinary Requirements

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

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

c. Humanities 6

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 13-27

Required Core Courses

Hours

ENS 201 Environmental and Sustainability Studies I:

Humanities and Social Sciences 3

ENS 202 Environmental and Sustainability Studies II:

Natural Science and Policy 3

WRD 425 Environmental Writing 3

ENS 300 Special Topics (Subtitle required) 3

PHI 336 Environmental Ethics 3

ENS 400 Senior Seminar (Subtitle required) 3

Required Core Courses hours: 18

AREAS OF EXPERTISE

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

Area 1 – Economics

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

AEC 303 Microeconomic Concepts

in Agricultural Economics 3

AEC 324 Agricultural Law 3

AEC 326 Principles of Environmental Law 3

AEC 445G Introduction to Resource

and Environmental Economics 3

AEC/ECO 479 Public Economics 3

AEC 483 Regional Economics 3

AEC 532 Agriculture and Food Policy 3

AEC/NRE 545 Resource and

Environmental Economics 3

ANT 225 Culture, Environment and Global Issues 3

ANT 311 Anthropology of Globalization 3

ANT 322 Ancient Mexican Civilizations 3

ANT 338 Economic Anthropology 3

ANT 340 Development and Change

in the Third World 3

ANT 375 Ecology and Social Practice 3

ANT 470G Regional American Ethnography 3

ANT 532 Anthropology of the State 3

ANT 543 Cultural Resource Management 3

*ECO 201 Principles of Economics I 3

ECO 202 Principles of Economics II 3

ECO 401 Intermediate Microeconomic Theory 3

ECO 410 Current Issues in Economics

(Subtitle required) 3

ECO 473G Economic Development 3

ENS 395 Independent Work 3

FOR 280 Forest Policy 2

FOR 325 Economic Botany:

Plants and Human Affairs 3

GEO 231 Environment and Development 3

GEO 235 Environmental Management and Policy 3

GEO 255 Geography of the Global Economy 3

GEO 260 Geographies of Development

in the Global South 3

GEO 321 Land, People, and

Development in Appalachia 3

GEO 442G Political Geography 3

GEO 455 Globalization and the

Changing World Economy 3

GEO 550 Sustainable Resource Development

and Environmental Management 3

NRE 201 Natural Resources and

Environmental Science 3

NRE 381 Natural Resource and

Environmental Policy Analysis 3

STA 291 Statistical Methods 3

STA 320 Introductory Probability 3

*ECO 201 is required for Area 1.

Area 2 – Environment

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

ANT 240 Introduction to Archeology 3

ANT 241 Origins of Old World Civilization 3

ANT 242 Origins of New World Civilization 3

ANT 351 Special Topics in Archaeology

(Subtitle required) 3

BIO 303 Introduction to Evolution 4

BIO 325 Ecology 4

BIO 375 Behavioral Ecology and Sociobiology 3

BIO 452G Laboratory in Ecology 2

CE 555 Microbial Aspects of

Environmental Engineering 3

CHE 565 Environmental Chemistry 3

EGR 240 Global Energy Issues 3

ENG 401 Special Topics in Writing

(Subtitle required) 3

ENS 395 Independent Work 3

FOR 219 Dendrology 4

FOR 230 Conservation Biology 3

FOR 240 Forestry and Natural Resource Ethics 2

GEO 231 Environment and Development 3

GEO 235 Environmental Management and Policy 3

GEO 322 Geography of Kentucky 3

GEO 331 Global Environmental Change 3

GEO 351 Physical Landscapes 3

GEO 431 Political Ecology 3

GEO/BIO 530 Biogeography and Conservation 3

GEO 531 Landscape Ecology 3

GEO 550 Sustainable Resource Development

and Environmental Management 3

EES 220 Principles of Physical Geology 4

EES 341 Landforms

or

ANT 342 North American Archaeology 3

EES 360 Mineralogy 4

EES 385 Hydrology and Water Resources 3

Area 3 – Society

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

ANT 221 Native People of North America 3

ANT 225 Culture, Environment and Global Issues 3

ANT 245 Food Culture and Society 3

ANT 303 Topics in the Anthropology of Food

and Nutrition (Subtitle required) 3

ANT 311 Anthropology of Globalization 3

ANT/AAS 326 People and Cultures

of Sub-Saharan Africa 3

ANT 340 Development and Change

in the Third World 3

ANT 342 North American Archaeology 3

ANT 375 Ecology and Social Practice 3

ANT 470G Regional American Ethnography 3

ANT 525 Applied Anthropology 3

ANT 545 Historical Archaeology 3

ANT 555 Eastern North American Archaeology 3

ARC 314 History and Theory III: 20th Century

and Contemporary Architecture 3

ARC 315 World Architecture and Urbanism 3

ENS 300 Special Topics (Subtitle required) 3

ENS 395 Independent Work 3

GEO 231 Environment and Development 3

GEO 285 Introduction to Planning 3

GEO 321 Land, People, and Development

in Appalachia 3

GEO 331 Global Environmental Change 3

GEO 431 Political Ecology 3

GEO 485G Urban Planning and Sustainability 3

HIS 240 History of Kentucky 3

LA 205 History of Landscape Architecture 3

PHI 361 Biology and Society 3

PS 391 Special Topics in Political Science

(Subtitle required) 3

SAG 201 Cultural Perspectives on Sustainability 3

SOC 302 Sociological Research Methods 3

SOC/CLD 360 Environmental Sociology 3

SOC 363 Environmental Justice 3

SOC/CLD 380 Globalization:

A Cross-Cultural Perspective 3

SOC/CLD 420 Sociology of Communities 3

SOC/CLD 517 Rural Sociology 3

SOC/ANT/CLD 534 Sociology of Appalachia 3

Areas of Expertise hours: 24

From Outside the Major Department

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

Subtotal: Other Major hours: 6

Electives

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

Subtotal: Electives minimum of 6

**Total Minimum Hours
Required for Degree** 120

FOREIGN LANGUAGE AND INTERNATIONAL ECONOMICS

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

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

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

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

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

FR 103 French Cinema

FR 205 The French Graphic Novel

FR 225 French Film Noir

GER 103 Fairy Tales in European Context

GER 105 German Film Today

MCL 100 The World of Language

RUS 125 Mapping Russia (Subtitle required)

RUS 270 Russian Culture 900-1900

SPA 371 Latin American Cinema (Subtitle required)

SPA 372 Spanish Cinema (Subtitle required)

or any area course 3

III. Intellectual Inquiry in the Social Sciences

ECO 101 Contemporary Economic Issues

or any area course 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

SPA 208 U.S. Latino Culture and Politics

or any area course 3

X. Global Dynamics

GER 342 War, Peace, and Terror in Germany and Europe

GER 361 German Cinema

JPN 320 Introduction to Japanese Culture,

Pre-Modern to 1868

JPN 321 Introduction to Japanese Culture,

Meiji (1868) to Present

JPN 351 The Japanese Experience of the Twentieth Century

RUS 125 Mapping Russia (Subtitle required)

RUS 271 Russian Culture 1900-Present

RUS 370 Russian Folklore (in English)

or any area course 3

UK Core hours 30

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

MCL/SPA 300 Contact Zones:

Cultivating Intercultural Competence 3

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

College Requirements

I. Foreign Language (*placement exam*

recommended) 0-14

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science 6

c. Humanities 6

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 25-39

Language Core Requirement

MCL/SPA 300 Contact Zones:

Cultivating Intercultural Competence 3

Language Core hours: 3

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

Economics Core hours: 27

French Core Requirement

FR 204 Introduction to French

and Francophone Studies 3

FR 214 France Today

or

FR 215 Visual Cultures 3

FR 307 French for Business and Economics 3

plus 12 hours from the following:

FR 310 French Phonetics 3

FR 311 Introduction to French Linguistics 3

FR 324 Studies in French Literature

(Subtitle required) 3

FR 325 French Cinema (Subtitle required) 3

FR 344 The Literary Text (Subtitle required) 3

FR 350 Francophone Cultures (Subtitle required) 3

FR 410 French in Performance 3

FR 425 Media Studies 3

French Core hours: 21

German Core Requirement

GER 206 Spoken Communication 3

GER 307 Intermediate German Composition

and Conversation I 3

GER 310 German for International Business

and Professions 3

plus 12 hours from the following:

GER 308 Intermediate German Composition

and Conversation II 3

GER 311 Introduction to German Literature: Themes

(Subtitle required) 3

GER 312 Introduction to German Literature:

Popular Forms 3

GER 317 History of German Culture 3

GER 319 Contemporary German Literature

and Culture 3

GER 342 War, Peace, and Terror

in Germany and Europe 3

GER 352 German-Speaking Europe

(Subtitle required) 3

GER 361 German Cinema 3

GER 363 Germanic Mythology 3

GER 395 Independent Work in German 1-3

GER 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

German Core hours: 21

Japanese Core Requirement

JPN 302 Advanced Japanese II 3
 JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present 3
 JPN 334 Environment, Society and Economy of Japan 3

plus 12 hours from the following:
 A-H 310 Asian Art and Culture (Subtitle required) 3
 A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony 3
 COM 525 Advanced Issues in Organizational Communication (Subtitle required) 3
 GEO 333 Geography of East Asia 3
 GEO 365 Special Topics in Regional Geography (Subtitle required) 3
 GEO 406 Field Studies in Geography (Subtitle required) 3
 GEO/JPN 491G Japanese Landscapes 3
 GEO/JPN 551 Japanese Multinational Corporations 3
 HIS 295 East Asia to 1800 3
 HIS 296 East Asia Since 1600 3
 JPN 283 Japanese Film 3
 JPN 320 Introduction to Japanese Culture, Premodern to 1868 3
 JPN 351 The Japanese Experience of the Twentieth Century 3
 JPN 421G Contemporary Literary and Visual Arts of Japan 3
 JPN 520 Japanese Linguistics and Society 3
 PS 419G The Governments and Politics of Eastern Asia 3
 and/or other related courses with the approval of the major advisor

Japanese Core hours: 21

Russian Core Requirement

RUS 271 Russian Culture 1900-Present 3
 RUS 301 Conversation and Composition 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:
 ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change 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
 GEO 329 Geography of the Former Soviet Union 3
 PS 429G Government and Politics in Russia and the Post-Soviet States 3
 RUS 370 Russian Folklore (in English) 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
 RUS 520 Russian Translation 3
 RUS 530 Business Russian 3

Russian Core hours: 21

Spanish Core Requirement

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

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

Spanish Core hours: 21

Electives

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

Total Minimum Hours Required for Degree 120

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

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

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. **Please note:** courses with a FR, GER, JPN, RUS, SPA or ECO prefix are generally **not** accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

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

FR 103 French Cinema 3
 FR 205 The French Graphic Novel 3
 FR 225 French Film Noir 3
 GER 103 Fairy Tales in European Context 3
 GER 105 German Film Today 3
 MCL 100 The World of Language 3
 RUS 125 Mapping Russia (Subtitle required) 3
 RUS 270 Russian Culture 900-1900 3
 SPA 371 Latin American Cinema (Subtitle required) 3
 SPA 372 Spanish Cinema (Subtitle required) 3
 or any area course 3

III. Intellectual Inquiry in the Social Sciences

ECO 101 Contemporary Economic Issues or any area course 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

SPA 208 U.S. Latino Culture and Politics or any area course 3

X. Global Dynamics

GER 342 War, Peace, and Terror in Germany and Europe 3
 GER 361 German Cinema 3
 JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868 3
 JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present 3
 JPN 351 The Japanese Experience of the Twentieth Century 3
 RUS 125 Mapping Russia (Subtitle required) 3
 RUS 271 Russian Culture 1900-Present 3
 RUS 370 Russian Folklore (in English) or any area course 3

UK Core hours 30

Graduation Composition and Communication Requirement (GCCR)

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

College Requirement hours: 16-30

Premajor Requirement

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence 3

Premajor hours: 3

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

Economics Core hours: 27

French Core Requirement

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

German Core Requirement

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

Japanese Core Requirement

JPN 302 Advanced Japanese II	3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3
JPN 334 Environment, Society and Economy of Japan	3
plus 12 hours from the following:	
A-H 310 Asian Art and Culture (Subtitle required)	3
A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony	3
COM 525 Advanced Issues in Organizational Communication (Subtitle required)	3

GEO 333 Geography of East Asia	3
GEO 365 Special Topics in Regional Geography (Subtitle required)	3
GEO 406 Field Studies in Geography (Subtitle required)	3
GEO/JPN 491G Japanese Landscapes	3
GEO/JPN 551 Japanese Multinational Corporations	3
HIS 295 East Asia to 1800	3
HIS 296 East Asia Since 1600	3
JPN 283 Japanese Film	3
JPN 320 Introduction to Japanese Culture, Premodern to 1868	3
JPN 351 The Japanese Experience of the Twentieth Century	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3
JPN 520 Japanese Linguistics and Society	3
PS 419G The Governments and Politics of Eastern Asia	3
and/or other related courses with the approval of the major advisor	
Japanese Core hours:	21

Russian Core Requirement

RUS 271 Russian Culture 1900-Present	3
RUS 301 Conversation and Composition 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:	
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	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
GEO 329 Geography of the Former Soviet Union	3
PS 429G Government and Politics in Russia and the Post-Soviet States	3
RUS 370 Russian Folklore (in English)	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
RUS 520 Russian Translation	3
RUS 530 Business Russian	3
Russian Core hours:	21

Spanish Core Requirement

SPA 302 Spanish for Business Professionals	3
SPA 323 Introduction to Spanish Translation	3
SPA 332 Spanish and Latin American Business Environments	3
SPA 420 Spanish in the World	3
plus 9 hours from the following:	
SPA 312 Civilization of Spain	3
SPA 314 Civilization of Spanish America	3

SPA 423 Advanced Spanish Translation	3
SPA 480 Hispanic Kentucky	3
Any 400+ level SPA course	3
Spanish Core hours:	21

Electives

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

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

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

**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 126.

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 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

GWS 599 Senior Seminar: Subtitle required 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science 6

c. Humanities 3

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 22-36

Premajor Requirements

*GWS 200 Sex and Power 3

*GWS 201 Gender and Popular Culture 3

Premajor hours: 6

Major Requirements

Core Courses

GWS 250 Social Movements 3

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 360 LGBTQ History in the United States 3

GWS 395 Undergraduate Research in Gender and Women's Studies 1-3

GWS 399 Internship in Gender and Women's Studies 1-6

GWS 410 Introduction to Queer Theory 3

GWS 430 Gender, Power and Violence 3

GWS 506 History of Sexuality in the U.S. 3

GWS 595 Issues in Gender and Women's Studies (Subtitle required) 3

Elective hours: 15

Total Major hours: 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 in Gender and Women's Studies requires 21 hours of course work to include:

GWS 200 Sex and Power

or

GWS 201 Gender and Popular Culture 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 seven areas: environmental geography, physical geography, urban geography and planning, GIS focus, human geography, international studies, and design your own geography major. For more information, contact the Department of Geography at (859) 257-2931, or on the Web at: www.uky.edu/AS/Geography/.

Bachelor of Arts with a major in GEOGRAPHY

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

GEO 499 Senior Research Seminar 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science	6
b. Social Science (<i>completed by Major Requirements</i>)	6
c. Humanities	6
III. Laboratory or Field Work	1
IV. Electives	6
College Requirement hours:	19-33

Major Requirements**Major Core Requirements**

GEO 130 Earth's Physical Environment	3
GEO 172 Human Geography	3
GEO 200 Orientation to Geography	3
GEO 406 Field Studies in Geography (Subtitle required)	3
GEO 309 Introduction to GIS	3
GEO 499 Senior Research Seminar	3
Major Core hours:	18

Methods Requirements

Choose **one** methods course from the following options:

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

Methods hours:

Other Course Work Required for the Major

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

GEOGRAPHY TRACKS**Environmental Geography Option**

Suggested Courses:

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

Physical Geography Option

Suggested Courses:

GEO 135 Global Climate Change	3
GEO 130 Earth's Physical Environment	3
GEO 230 Weather and Climate	3
GEO 235 Environmental Management and Policy	3
GEO 351 Physical Landscapes	3

GEO 406 Field Studies in Geography (Subtitle required)	3
GEO 451G Fluvial Forms and Processes	3
GEO 530 Biogeography and Conservation	3
GEO 531 Landscape Ecology	3

Urban Geography and Planning Option

Suggested Courses:

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

GIS Focus

Suggested Courses:

GEO 109 Digital Mapping	3
GEO 164 iWorlds: Global Information Geographies	3
GEO 309 Introduction to GIS	3
GEO 409 Advanced GIS	3
GEO 509 Workshop in Geospatial Technologies	3
GEO 419 Introduction to Remote Sensing	3
GEO 305 Elements of Cartography	3
GEO 506 Introduction to Computer Cartography	3
GEO 505 Practicum in Cartography	3
GEO 310 Quantitative Techniques in Geography	3
GEO 415 Map Interpretation	3
GEO 365 Special Topics in Geography (Subtitle required)	3

Human Geography Option

Suggested Courses:

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

International Studies Option

Suggested Courses:

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

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

Major hours:

Electives

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

**Total Minimum Hours
Required for Degree**

**Bachelor of Science with a major in
GEOGRAPHY****120 hours (minimum)**

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with a GEO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

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 Composition and
Communication Requirement (GCCR)**

GEO 499 Senior Research Seminar

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

College Requirements

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

II. Disciplinary Requirements

 a. Natural Science 3

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

 c. Humanities 3

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 13-27

Major Requirements

Major Core Requirements

GEO 130 Earth's Physical Environment 3

GEO 172 Human Geography 3

GEO 200 Orientation to Geography 3

GEO 406 Field Studies in Geography (Subtitle required) 3

GEO 309 Introduction to GIS 3

GEO 499 Senior Research Seminar 3

Major Core hours: 18

Methods Requirements

Choose **one** methods course from the following options:

GEO 305 Elements of Cartography 3

GEO 310 Quantitative Techniques in Geography 3

GEO 311 Qualitative Methods in Geography 3

GEO 409 Advanced GIS 3

Methods hours: 3

Other Course Work Required for the Major

Geography Tracks 18

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

GEOGRAPHY TRACKS

Environmental Geography Option

Suggested Courses:

GEO 135 Global Climate Change 3

GEO 162 Introduction to Global Environmental Issues 3

GEO 231 Environment and Development 3

GEO 235 Environmental Management and Policy 3

GEO 261 Global Dynamics of Health and Disease 3

GEO 321 Land, People, and Development in Appalachia 3

GEO 331 Global Environmental Change 3

GEO 334 Environment, Society and Economy of Japan 3

GEO 431 Political Ecology 3

GEO 530 Biogeography and Conservation 3

GEO 531 Landscape Ecology 3

Physical Geography Option

Suggested Courses:

GEO 135 Global Climate Change 3

GEO 130 Earth's Physical Environment 3

GEO 230 Weather and Climate 3

GEO 235 Environmental Management and Policy 3

GEO 351 Physical Landscapes 3

GEO 406 Field Studies in Geography (Subtitle required) 3

GEO 451G Fluvial Forms and Processes 3

GEO 530 Biogeography and Conservation 3

GEO 531 Landscape Ecology 3

Urban Geography and Planning Option

Suggested Courses:

GEO 220 U.S. Cities 3

GEO 285 Introduction to Planning 3

GEO 485G Urban Planning and Sustainability 3

GEO 235 Environmental Management and Policy 3

GEO 309 Introduction to GIS 3

GEO 310 Quantitative Techniques in Geography 3

GEO 415 Map Interpretation 3

GEO 422 Urban Geography 3

GEO 455 Globalization and the Changing World Economy 3

GEO 490G American Landscapes 3

GEO 544 Human Population Dynamics 3

GEO 545 Transportation Geography 3

GIS Focus

Suggested Courses:

GEO 109 Digital Mapping 3

GEO 164 iWorlds: Global Information Geographies 3

GEO 309 Introduction to GIS 3

GEO 409 Advanced GIS 3

GEO 509 Workshop in Geospatial Technologies 3

GEO 419 Introduction to Remote Sensing 3

GEO 305 Elements of Cartography 3

GEO 506 Introduction to Computer Cartography 3

GEO 505 Practicum in Cartography 3

GEO 310 Quantitative Techniques in Geography 3

GEO 415 Map Interpretation 3

GEO 365 Special Topics in Geography (Subtitle required) 3

Human Geography Option

Suggested Courses:

GEO 161 Global Inequalities 3

GEO 240 Geography and Gender 3

GEO 260 Geographies of Development in the Global South 3

GEO 422 Urban Geography 3

GEO 442G Political Geography 3

GEO 455 Globalization and the Changing World Economy 3

GEO 475G Medical Geography 3

GEO 490G American Landscapes 3

GEO 544 Human Population Dynamics 3

GEO 545 Transportation Geography 3

GEO 546 Tourism and Recreation Geography 3

International Studies Option

Suggested Courses:

GEO 163 Global Conflicts 3

GEO 221 Immigrant America: A Geographic Perspective 3

GEO 222 Cities of the World 3

GEO 255 Geography of the Global Economy 3

GEO 326 Geography of Europe 3

GEO 328 Geography of the Middle East and North Africa 3

GEO 329 Geography of the Former Soviet Union 3

GEO 331 Global Environmental Change 3

GEO 334 Environment, Society and Economy of Japan 3

GEO 546 Tourism and Recreation Geography 3

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

Major hours: 39

Electives

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

Total Minimum Hours Required for Degree 120

Minor in Geography

The minor in Geography requires a minimum of 21 hours taken within the department as follows:

- GEO 130 Earth's Physical Environment 3
 - GEO 172 Human Geography 3
- and**
- GEO 152 Regional Geography of the World
- or**
- 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.

Minor in Mapping and GIS

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

- Introduction to Digital Mapping (3 hours)**
- GEO 109 Digital Mapping
- or**
- GEO 164 iWorlds: Global Information Geographies 3
- GIS Theories and Methods (6 hours)**
- GEO 309 Introduction to GIS 3
- GEO 409 Advanced GIS 3
- GIS Design and Application (9 hours)**
- Complete **three** of the following:
- GEO 305 Elements of Cartography 3
- *GEO 399 Internship in Geography 3
- GEO 415 Map Interpretation 3
- GEO 419 Introduction to Remote Sensing 3
- GEO 505 Practicum in Cartography 3
- GEO 506 Introduction to Computer Cartography 3
- GEO 509 Workshop in Geospatial Technologies 3
- *GEO 560 Independent Work in Geography 3
- *GEO 565 Topics in Geography 3

**With approval of DUS for GIS/Mapping related internships or independent study.*

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

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*.

HEALTH, SOCIETY, AND POPULATIONS

Final approval expected summer 2014

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

Bachelor of Arts with a major in HEALTH, SOCIETY, AND POPULATIONS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Recommended:

PSY 100 Introduction to Psychology 4

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Recommended – one of the following:

MA 111 Introduction to Contemporary Mathematics .. 3

MA 113 Calculus I 4

MA 123 Elementary Calculus and Its Applications 4

MA 137 Calculus I with Life Science Applications 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30-32

Graduation Composition and Communication Requirement (GCCR)

After attaining sophomore status, students must complete the Graduation Composition and Communication Requirement. Please see your academic advisor for courses that meet this requirement.

College Requirements

I. Foreign Language

(placement test recommended) 6-14

II. Disciplinary Requirements

a. Natural Science

(may be satisfied by major requirements) 0-6

b. Social Science

(may be satisfied by major requirements) 0-6

c. Humanities 6

III. Laboratory or Field Work

(PSY 100 recommended) 1-3

IV. Electives 6

College Requirement hours: 19-29

Major Requirements

Hours

Major courses that also fulfill the A&S College requirements are marked with “*”; major courses that also fulfill UK Core areas are marked with “†”. Twenty four credit hours within the major must be at the 300+ level.

Statistics

Choose one of the following (3 hours):

STA 296 Statistical Methods and Motivations 3

*SOC 303 Quantitative Social Analysis 3

*GEO 309 Introduction to GIS 3

Math

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

MA 109 College Algebra 3

†MA 111 Introduction to

Contemporary Mathematics 3

†MA 113 Calculus I 4

†MA 123 Elementary Calculus and Its Applications 4

†MA 137 Calculus I with Life Science Applications 4

MA 111, 113, 123, 137 recommended.

Writing

(3 hours)

WRD 205 Writing and Rhetoric (Subtitle required)

see HSP advisor for appropriate subtitles 3

Science

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

ANA 109 Anatomy and Physiology for Nursing I 4

ANA 110 Anatomy and Physiology for Nursing II 4

*ANA 209 Principles of Human Anatomy 3

*†BIO 102 Human Ecology 3

*†BIO 103 Basic Ideas of Biology 3

*BIO 148 Introductory Biology I 3

*BIO 208 Principles of Microbiology 3

*CHE 104 Introductory General Chemistry 3

*CHE 108 Introduction to Inorganic, Organic,

and Biochemistry without Laboratory 3

*PGY 206 Elementary Physiology 3

Social Science Approaches to Health

(9 hours):

Required

SOC/HSP 255 Medicine, Health, and Society 3

plus two of the following:

*ANT 429 Survey of Medical Anthropology 3

*GEO 475G Medical Geography

*PSY 223 Developmental Psychology 3

SOC 355 Sociology of Health and Illness 3

Topics in Society and Health

(12 hours):

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

*†ANT 225 Culture, Environment and Global Issues 3

*ANT 251 Global Health: Culture, Pathologies

and Social Inequalities 3

*ANT 303 Topics in Anthropology of Food

and Nutrition (Subtitle required) 3

*ANT 333 Contemporary Human Variation 3

*†GEO 261 Global Dynamics of Health and Disease 3

*GEO 544 Human Population Dynamics 3

†GRN 250 Aging in Today’s World 3

GRN 585 Aging and Environment 3

*AGWS 300 Topics in Gender and Women’s Studies

(Subtitle required) 3

*HIS 584 Health and Disease in the U.S. 3

*PHI 305 Health Care Ethics 3

*†SOC 235 Inequalities in Society 3

*SOC 340 Community Interaction 3

*†SOC 360 Environmental Sociology 3

*SOC 439 Topics in Crime, Law and Deviance

(Subtitle required) 3

[^]Course is approved only when the subtitle is “Gender, Race and Science.”

Health Professions

Choose two from the following (6 hours)

CPH 201 Introduction to Public Health 3

CPH 202 Public Health Through Popular Film 3

CPH 203 Sexual Health 3

CPH 310 Disease Detectives:

Epidemiology in Action 3

CPH 320 Fundamentals of Environmental Health 3

CPH 351 Preparing for An Apocalyptic Event:

Population Health and Crisis Management 3

CPH 440 Foundations of Health Behavior 3

CPH 450 Managing Health Organizations

to Improve Population Health 3

CPH 451G A Sick World: Global Public Health

in the Early 21st Century 3

CPH 472 Public Health Professions and Practice 3

HSM 241 Health and Medical Care

Delivery Systems 3

KHP 230 Human Health and Wellness 3

KHP 270 Introduction to Health Education

and Health Promotion 3

KHP 590 Advanced Health Concepts 3

Capstone

(3 hours)
 HSP 499 Health, Society and Populations Capstone
 (Subtitle required) 3
Major hours: 42-43

Electives

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

**Total Minimum Hours
 Required for Degree 120**

HISPANIC STUDIES

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

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

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

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

SPA 323 Introduction to Spanish Translation 3

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

College Requirements

I. Foreign Language (completed by Premajor Requirement) 3

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

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 19

***Premajor Requirements**

SPA 210 Spanish Grammar and Syntax
 and
 SPA 211 Intermediate Spanish Conversation 6
 or
 SPA 215 Written Spanish for Bilingual Students 3

Premajor hours: 3-6

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

Major Requirements

Major Core Requirement

SPA 310 Spanish Composition
 Through Textual Analysis 3

Major Core hours: 3

Other Course Work Required for the Major

From the Major Department:

Choose 10 300+ level Spanish courses to include at least 4 courses at the 400+ level from any of the 3 available options and that fulfill the requirements for one of the three options listed below 30

From Outside the Major Department

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

- A-E – Art Education
- A-H – Art History
- A-S – Art Studio
- AAD – Arts Administration
- AAS – African American Studies
- AIS – Arabic and Islamic Studies
- ANT – Anthropology
- APP – Appalachian Studies
- ART – Art
- BSC – Behavioral Science
- CGS – Cognitive Science
- CHI – Chinese Culture and Language
- CIS – Communications and Information Studies
- CLA – Classics
- CLD – Community and Leadership Development
- CLM – Clinical Leadership and Management
- COM – Communication
- CSD – Communication Sciences and Disorders
- EAP – Education Abroad Program
- EDC – Curriculum and Instruction
- EDL – School Administration
- EDP – Educational and Counseling Psychology

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

Total Major hours: 42

OPTIONS

**Option A – Spanish Language
 and Linguistics**

Required Course

SPA 310 Spanish Composition
 Through Textual Analysis 3

Specialty Option Courses

Choose 18 credit hours from Language and Linguistics courses:

- *SPA 300 Contact Zones:
 Cultivating Intercultural Competence 3
- SPA 302 Spanish for Business Professionals 3
- SPA 313 Advanced Spanish Language 3
- SPA 323 Introduction to Spanish Translation 3
- SPA 332 Spanish and Latin American
 Business Environments 3
- *SPA 397 Independent Work in Spanish 3
- *SPA 399 Field Based/
 Community Based Education 1-15
- *SPA 400 Special Topics in Hispanic Literatures
 and Languages (Subtitle required) 3
- SPA 410 Advanced Spanish Grammar 3
- SPA 413 Spanish Phonetics 3
- SPA 420 Spanish in the World 3
- SPA 423 Advanced Spanish Translation 3
- SPA 430 Introduction to Spanish Linguistics 3

*SPA 480 Hispanic Kentucky	3
*SPA 497 Hispanic Studies Honors Thesis	3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics	3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics	3

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

Non-specialty Option Courses

Choose 6 credit hours from Literature and Culture courses:

**SPA 300 Contact Zones:

Cultivating Intercultural Competence	3
SPA 312 Civilization of Spain	3
SPA 314 Civilization of Spanish America	3
SPA 315 Introduction to Hispanic Literature	3
SPA 320 Literature, Life and Thought of Spain	3
SPA 322 Literature, Life and Thought of Spanish America	3
SPA 324 The Theatre in Spain and Spanish America	3
SPA 350 Hispanic Cities (Subtitle required)	3
SPA 361 Latin American Literature in Translation (Subtitle required)	3
SPA 371 Latin American Cinema (Subtitle required)	3
SPA 372 Spanish Cinema (Subtitle required)	3
**SPA 397 Independent Work in Spanish	3

**SPA 399 Field Based/

Community Based Education	1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required)	3
SPA 434 Spanish Literature of the 20th Century	3
SPA 438G Literature of Social Protest in Spanish America	3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
SPA 464 Contemporary Spanish-American Studies (Subtitle required)	3

SPA 474 Topics in Hispanic Studies (Subtitle required)	3
**SPA 480 Hispanic Kentucky	3
**SPA 497 Hispanic Studies Honors Thesis	3
SPA 519 Themes in Medieval and Early Modern Spanish Literature and Culture (Subtitle required)	3
SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required)	3
SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required)	3

SPA 324 The Theatre in Spain and Spanish America	3
SPA 350 Hispanic Cities (Subtitle required)	3
SPA 361 Latin American Literature in Translation (Subtitle required)	3
SPA 371 Latin American Cinema (Subtitle required)	3
SPA 372 Spanish Cinema (Subtitle required)	3
**SPA 397 Independent Work in Spanish	3
**SPA 399 Field Based/ Community Based Education	1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required)	3
SPA 434 Spanish Literature of the 20th Century	3
SPA 438G Literature of Social Protest in Spanish America	3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
SPA 464 Contemporary Spanish-American Studies (Subtitle required)	3
SPA 474 Topics in Hispanic Studies (Subtitle required)	3
**SPA 480 Hispanic Kentucky	3
**SPA 497 Hispanic Studies Honors Thesis	3
SPA 519 Themes in Medieval and Early Modern Spanish Literature and Culture (Subtitle required)	3
SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required)	3
SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required)	3

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

Non-specialty Option Courses

Choose 6 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:

Cultivating Intercultural Competence	3
SPA 302 Spanish for Business Professionals	3
SPA 313 Advanced Spanish Language	3
SPA 323 Introduction to Spanish Translation	3
SPA 332 Spanish and Latin American Business Environments	3
*SPA 397 Independent Work in Spanish	3
*SPA 399 Field Based/ Community Based Education	1-15
*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 410 Advanced Spanish Grammar	3
SPA 413 Spanish Phonetics	3
SPA 420 Spanish in the World	3
SPA 423 Advanced Spanish Translation	3
SPA 430 Introduction to Spanish Linguistics	3
*SPA 480 Hispanic Kentucky	3
*SPA 497 Hispanic Studies Honors Thesis	3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics	3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics	3

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

Additional Courses

Choose 6 credit hours from either list

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

Total SPA hours: 30

Option B – Spanish Literature and Culture

Required Course

SPA 310 Spanish Composition Through Textual Analysis	3
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Specialty Option Courses

Choose 18 credit hours from Literature and Culture courses:

**SPA 300 Contact Zones:

Cultivating Intercultural Competence	3
SPA 312 Civilization of Spain	3
SPA 314 Civilization of Spanish America	3
SPA 315 Introduction to Hispanic Literature	3
SPA 320 Literature, Life and Thought of Spain	3
SPA 322 Literature, Life and Thought of Spanish America	3

Total SPA hours: 30

Option C – Spanish (General)

Required Course

SPA 310 Spanish Composition Through Textual Analysis	3
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Specialty Option Courses

Choose 9 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:

Cultivating Intercultural Competence	3
SPA 302 Spanish for Business Professionals	3
SPA 313 Advanced Spanish Language	3
SPA 323 Introduction to Spanish Translation	3
SPA 332 Spanish and Latin American Business Environments	3
*SPA 397 Independent Work in Spanish	3
*SPA 399 Field Based/ Community Based Education	1-15
*SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 410 Advanced Spanish Grammar	3
SPA 413 Spanish Phonetics	3
SPA 420 Spanish in the World	3
SPA 423 Advanced Spanish Translation	3
SPA 430 Introduction to Spanish Linguistics	3
*SPA 480 Hispanic Kentucky	3
*SPA 497 Hispanic Studies Honors Thesis	3
SPA 501 Spanish Phonetics, Pronunciation and Phonemics	3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics	3

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

Non-specialty Option Courses

Choose 9 credit hours from Literature and Culture courses:

**SPA 300 Contact Zones:

Cultivating Intercultural Competence	3
SPA 312 Civilization of Spain	3
SPA 314 Civilization of Spanish America	3
SPA 315 Introduction to Hispanic Literature	3
SPA 320 Literature, Life and Thought of Spain	3
SPA 322 Literature, Life and Thought of Spanish America	3
SPA 324 The Theatre in Spain and Spanish America	3
SPA 350 Hispanic Cities (Subtitle required)	3
SPA 361 Latin American Literature in Translation (Subtitle required)	3
SPA 371 Latin American Cinema (Subtitle required)	3
SPA 372 Spanish Cinema (Subtitle required)	3
**SPA 397 Independent Work in Spanish	3
**SPA 399 Field Based/ Community Based Education	1-15
**SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3
SPA 432 18th and 19th Century Spanish Studies (Subtitle required)	3
SPA 434 Spanish Literature of the 20th Century	3
SPA 438G Literature of Social Protest in Spanish America	3
SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
SPA 464 Contemporary Spanish-American Studies (Subtitle required)	3
SPA 474 Topics in Hispanic Studies (Subtitle required)	3
**SPA 480 Hispanic Kentucky	3
**SPA 497 Hispanic Studies Honors Thesis	3
SPA 519 Themes in Medieval and Early Modern Spanish Literature and Culture (Subtitle required)	3
SPA 529 Themes in Modern and Contemporary Spanish Literature, Culture and Film (Subtitle required)	3
SPA 539 Themes in Latin American Literature, Culture and Film (Subtitle required)	3

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

Additional Courses

Choose 12 credit hours from either list

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

Total SPA hours: 30

Minor in Spanish

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

Prerequisites

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

Required Core Course

SPA 310 Spanish Composition
 Through Textual Analysis 3

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

Language and Linguistics Courses

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

Literature and Culture Courses

SPA 300 Contact Zones:
 Cultivating Intercultural Competence 3
 SPA 312 Civilization of Spain 3
 SPA 314 Civilization of Spanish America 3
 SPA 315 Introduction to Hispanic Literature 3
 SPA 320 Literature, Life and Thought of Spain 3
 SPA 322 Literature, Life and Thought
 of Spanish America 3
 SPA 324 The Theatre in Spain and Spanish America 3
 SPA 361 Latin American Literature in Translation
 (Subtitle required) 3
 SPA 371 Latin American Cinema (Subtitle required) 3
 SPA 372 Spanish Cinema (Subtitle required) 3
 SPA 397 Independent Work in Spanish 3
 SPA 399 Field Based/Community Based Education 3
 SPA 400 Special Topics in Hispanic Literatures
 and Languages (Subtitle required) 3
 SPA 424 Medieval and Early Modern Spanish Studies
 (Subtitle required) 3
 SPA 432 18th and 19th Century Spanish Studies
 (Subtitle required) 3
 SPA 434 Spanish Literature of the 20th Century 3
 SPA 438G Literature of Social Protest
 in Spanish America 3
 SPA 444 20th and 21st Century Spanish Studies
 (Subtitle required) 3
 SPA 454 Colonialism and 19th Century
 Spanish-American Studies (Subtitle required) 3
 SPA 464 Contemporary Spanish-American Studies
 (Subtitle required) 3
 SPA 474 Topics in Hispanic Studies
 (Subtitle required) 3

SPA 480 Hispanic Kentucky 3
 SPA 497 Hispanic Studies Honors Thesis 3
 SPA 519 Themes in Medieval and Early Modern
 Spanish Literature and Culture (Subtitle required) 3
 SPA 529 Themes in Modern and Contemporary Spanish
 Literature, Culture and Film (Subtitle required) 3
 SPA 539 Themes in Latin American Literature,
 Culture and Film (Subtitle required) 3

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 126.

UK Core Requirements

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

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

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

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

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

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

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

VII. Quantitative Foundations
 Choose one course from approved list 3

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

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

X. Global Dynamics
 Choose one course from approved list 3
UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

HIS 499 Senior Seminar for History Majors
 (Subtitle required) 3
Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (*placement exam recommended*) 0-14
 II. Disciplinary Requirements
 a. Natural Science 6
 b. Social Science 6
 c. Humanities (*completed by Major Requirements*) 6
 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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

HIS 499 Senior Seminar for History Majors
(Subtitle required) 3

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science	3
b. Social Science	3
c. Humanities (<i>completed by Major Requirements</i>)	1
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 in History requires a minimum of 18 hours of course work to include:

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 II

HIS 108/109 History of the United States Through 1876/
History of the United States Since 1877

HIS 202/203 History of the British People to the
Restoration/History of the British People Since the
Restoration

HIS 229/230 The Ancient Near East and Greece to the
Death of Alexander the Great/The Hellenistic World
and Rome to the Death of Constantine

HIS 295/296 East Asia to 1800/East Asia Since 1600

HIS 370/371 Early Middle Ages/Later Middle Ages

HIS 385/386 History of Russia to 1825/History of Russia
Since 1825

2. 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 require-

ments for a Bachelor of Arts degree can be found on page 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **30**

Graduation Composition and Communication Requirement (GCCR)

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

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science (*can be completed with Major Requirements*) 6

c. Humanities (*can be completed with Major Requirements*) 6

III. Laboratory or Field Work 1

IV. Electives 6

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

Distribution Requirements

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

Major Requirements

Pathway Courses

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

ANT 160 Cultural Diversity in the Modern World	..... 3
ANT 225 Culture, Environment and Global Issues	..... 3
GEO 152 Regional Geography of the World	..... 3
GEO 160 Lands and Peoples of the Non-Western World	..... 3
GEO 161 Global Inequalities	..... 3
GEO 162 Introduction to Global Environmental Issues	..... 3
HIS 104 A History of Europe through the Mid-Seventeenth Century	..... 3
HIS 105 A History of Europe from the Mid-Seventeenth Century to the Present	..... 3
PS 210 Introduction to Comparative Politics	..... 3
PS 235 World Politics	..... 3

Language Competency

Complete the fourth semester in one language

AND

Two semesters in a second language 6-8

OR

Two additional semesters in the same language 6

Capstone Senior Project

Complete the following course:

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

Thematic and Area Concentrations

Complete one of the following:

- Fifteen credit hours in a thematic concentration and twelve credit hours with an area concentration 27
- Fifteen credit hours with an area concentration and twelve credit hours in a thematic concentration 27

Thematic Concentrations

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

Culture and the Arts

The Culture and the Arts concentration focuses on forms of cultural expression and representation (performing arts, film, philosophy, literature, folklore and myth, visual arts) from global perspectives.

A-H 310 Asian Art and Culture (Subtitle required)	..... 3
A-H 323 Medieval (Subtitle required)	..... 3
A-H 334 Reframing Renaissance Art	..... 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
CHI 320 Gender Politics in Chinese Literature	..... 3
CHI 321 Introduction to Contemporary Chinese Film	..... 3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	..... 3
CHI 331 Introduction to Chinese Culture, 1840 to Present	..... 3
CHI 430 Popular Culture in Modern China	..... 3
CHI 511 Literary Chinese	..... 3
CLA 210 The Art of Greece and Rome	..... 3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great	..... 3

CLA 230 The Hellenistic World and Rome to the Death of Constantine	..... 3
CLA 261 Literary Masterpieces of Greece and Rome	..... 3
CLA 301 Latin Literature I (Subtitle required)	..... 3
CLA 302 Latin Literature II (Subtitle required)	..... 3
CLA 331 Gender and Sexuality in Antiquity	..... 3
CLA 382 Greek and Roman Religion	..... 3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE	..... 3
CLA 391 Christians in the Roman Empire	..... 3
CLA 480G Studies in Greek and Latin Literature (Subtitle required)	..... 3
CLA 524 The Latin Literature of the Republic (Subtitle required)	..... 3
CLA 525 The Latin Literature of the Empire (Subtitle required)	..... 3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	..... 3
CLA 551 Greek Poetry and Drama (Subtitle required)	..... 3
CLA 555 Greek Prose (Subtitle required)	..... 3
ENG 241 Survey of British Literature I	..... 3
ENG 242 Survey of British Literature II	..... 3
ENG 274 Classics of Western Literature	..... 3
ENG 342 Shakespeare	..... 3
ENG 440G Studies in British Literature (Subtitle required)	..... 3
FR 214 France Today	..... 3
FR 215 Visual Cultures	..... 3
FR 225 French Film Noir	..... 3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	..... 3
^FR 324 Studies in French Literature (Subtitle required)	..... 3
FR 325 French Cinema (Subtitle required)	..... 3
FR 504 Topics in French Literature and Culture (Subtitle required)	..... 3
GER 263 The German Cultural Tradition I	..... 3
GER 264 The German Cultural Tradition II	..... 3
GER 311 Introduction to German Literature: Themes (Subtitle required)	..... 3
GER 312 Introduction to German Literature: Popular Forms	..... 3
GER 317 History of German Culture	..... 3
GER 319 Contemporary German Literature and Culture	..... 3
GER 342 War, Peace, and Terror in Germany and Europe	..... 3
GER 361 German Cinema	..... 3
GER 363 Germanic Mythology	..... 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
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	..... 3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	..... 3
^INT 350 Special Topics in International Studies (Subtitle required)	..... 3
INT 399 Internship in International Studies	..... 3
ITA 263 Studies in Italian Culture (Subtitle required)	..... 3
ITA 443G Survey of Italian Literature I	..... 3
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	..... 3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	..... 3
JPN 421G Contemporary Literary and Visual Arts of Japan	..... 3
MCL 270 Introduction to Folklore and Mythology	..... 3

^MUS 330 Music in the World (Subtitle required)	3	JOU 319 World Media Systems	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3
RUS 270 Russian Culture 900-1900	3	JPN 451G Social Movements in Modern Japan	3
RUS 271 Russian Culture 1900-Present	3	JPN 461G Japanese Colonialism and its Legacies	3
RUS 370 Russian Folklore (in English)	3	LAS 201 Introduction to Latin America	3
RUS 375 Seminar in Russian Film	3	^PS 391 Special Topics in Political Science (Subtitle required)	3
RUS 380 Nineteenth Century Russian Literature (in English)	3	^PS 410 Topics in Regional Politics (Subtitle required)	3
RUS 381 Russian Literature 1900-Present (in English)	3	PS 419G The Governments and Politics of Eastern Asia	3
RUS 400G Russian Cultural Studies (Subtitle required)	3	PS 420G Governments and Politics of South Asia	3
RUS 460G Major Russian Writers (Subtitle required)	3	PS 427G East European Politics	3
RUS 463 Russian Film and Theater (Subtitle required)	3	PS 428G Latin American Government and Politics	3
SPA 312 Civilization of Spain	3	PS 429G Government and Politics in Russia and the Post-Soviet States	3
^SPA 314 Civilization of Spanish America	3	PS 433G Politics of International Economic Relations	3
SPA 315 Introduction to Hispanic Literature	3	PS 436G International Organization	3
SPA 323 Introduction to Spanish Translation	3	PS 437G Dynamics of International Law	3
SPA 371 Latin American Cinema (Subtitle required)	3	PS 538 Conflict and Cooperation in Latin American Relations	3
SPA 372 Spanish Cinema (Subtitle required)	3	^SOC 444 Topics in Political Sociology (Subtitle required)	3
^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3	SW 320 Global Poverty: Responses Across Cultures	3
SPA 423 Advanced Spanish Translation	3	<i>^The subtitle for this course must directly relate to the Global Comparative Politics and Societies concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>	
SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3	<i>*Course is from the Gatton College of Business and Econ- omics. 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>	
SPA 434 Spanish Literature of the 20th Century	3		
SPA 438G Literature of Social Protest in Spanish America	3		
^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3		
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3		
TA 386 World Theatre II	3		
TA 485 French Theatre: Culture, Text and Performance	3		
<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>			
Global Development			
The Global Development concentration focuses on social justice, sustainable economic development, public health, global interconnection, public service and managing global businesses.			
AEC 309 International Agricultural, World Food Needs and U.S. Trade in Agricultural Products	3		
AEC 471 International Trade	3		
AEC 510 International Trade and Agricultural Marketing	3		
AIS 338 Women and Islam	3		
AIS 340 Fundamentalism and Reform in Islam	3		
^AIS 435 Topics in Islamic Studies (Subtitle required)	3		
AIS 440 Introduction to the Quran	3		
ANT 251 Global Health: Culture, Pathologies and Social Inequalities	3		
ANT 311 Anthropology of Globalization	3		
ANT 324 Contemporary Latin American Cultures	3		
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	3		
ANT 338 Economic Anthropology	3		
ANT 340 Development and Change in the Third World	3		
EDC 554 Culture, Education and Teaching Abroad	3		
EPE 554 Culture, Education and Teaching Abroad	3		
GEO 222 Cities of the World	3		
GEO 231 Environment and Development	3		
GEO 235 Environmental Management and Policy	3		
GEO 255 Geography of the Global Economy	3		
GEO 260 Geographies of Development in the Global South	3		
GEO 442G Political Geography	3		
GEO 455 Globalization and the Changing World Economy	3		
GEO 544 Human Population Dynamics	3		
GEO 551 Japanese Multinational Corporations	3		
HIS 521 European Social History, 1400-1800	3		
HIS 556 The British Empire, 1322-1879	3		
HIS 557 British Empire and Commonwealth, 1880-2000	3		
^INT 350 Special Topics in International Studies (Subtitle required)	3		
INT 399 Internship in International Studies	3		
JOU 319 World Media Systems	3		
JPN 461G Japanese Colonialism and its Legacies	3		
LAS 201 Introduction to Latin America	3		
MAT 470 International Merchandizing	3		
*MGT 309 Introduction to International Business	3		
*MKT 435 International Marketing	3		
PS 433G Politics of International Economic Relations	3		
PS 436G International Organization	3		
PS 437G Dynamics of International Law	3		
PS 538 Conflict and Cooperation in Latin American Relations	3		
SOC 380 Globalization: A Cross-Cultural Perspective	3		
SW 320 Global Poverty: Responses Across Cultures	3		
<i>^The subtitle for this course must directly relate to the Global Comparative Politics and Societies concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>			
<i>*Course is from the Gatton College of Business and Econ- omics. 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>			
Comparative Politics and Societies			
The Comparative Politics and Societies concentration focuses on how states and institutions interact in a global environment. It studies international struggles for political, social, and economic equality and international efforts to guarantee human rights.			
AEC 471 International Trade	3		
AIS 338 Women and Islam	3		
AIS 340 Fundamentalism and Reform in Islam	3		
^AIS 435 Topics in Islamic Studies (Subtitle required)	3		
AIS 440 Introduction to the Quran	3		
ANT 241 Origins of Old World Civilization	3		
ANT 242 Origins of New World Civilization	3		
ANT 245 Food Culture and Society	3		
ANT 324 Contemporary Latin American Cultures	3		
ANT 433 Social Organization	3		
ANT 450 Symbols and Culture	3		
CLA 509 Roman Law	3		
^FR 350 Francophone Cultures (Subtitle required)	3		
GEO 255 Geography of the Global Economy	3		
GEO 260 Geographies of Development in the Global South	3		
GEO 442G Political Geography	3		
GER 342 War, Peace, and Terror in Germany and Europe	3		
GWS 250 Social Movements	3		
HIS 551 Foreign Policies of Middle East States	3		
HIS 561 Culture, Ideas, and Society in Latin America	3		
HIS 562 Modern Mexico	3		
HIS 563 The History of Women in Latin America	3		
HIS 564 History of Brazil	3		
^INT 350 Special Topics in International Studies (Subtitle required)	3		
INT 399 Internship in International Studies	3		
JOU 319 World Media Systems	3		
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3		
JPN 451G Social Movements in Modern Japan	3		
JPN 461G Japanese Colonialism and its Legacies	3		
LAS 201 Introduction to Latin America	3		
^PS 391 Special Topics in Political Science (Subtitle required)	3		
^PS 410 Topics in Regional Politics (Subtitle required)	3		
PS 419G The Governments and Politics of Eastern Asia	3		
PS 420G Governments and Politics of South Asia	3		
PS 427G East European Politics	3		
PS 428G Latin American Government and Politics	3		
PS 429G Government and Politics in Russia and the Post-Soviet States	3		
PS 433G Politics of International Economic Relations	3		
PS 436G International Organization	3		
PS 437G Dynamics of International Law	3		
PS 538 Conflict and Cooperation in Latin American Relations	3		
^SOC 444 Topics in Political Sociology (Subtitle required)	3		
SW 320 Global Poverty: Responses Across Cultures	3		
<i>^The subtitle for this course must directly relate to the Comparative Politics and Societies concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>			
Area Concentrations			
(12-15 credit hours in one theme and from at least two departments)			
Africa and the Middle East			
AIS 328 Islamic Civilization I	3		
AIS 330 Islamic Civilization II	3		
AIS 331 Classical Arabic Literature (in English)	3		
AIS 338 Women and Islam	3		
AIS 340 Fundamentalism and Reform in Islam	3		
^AIS 435 Topics in Islamic Studies (Subtitle required)	3		
AIS 440 Introduction to the Quran	3		
ANT 222 Middle East Cultures	3		
ANT 241 Origins of Old World Civilization	3		
ANT 326 People and Cultures of Sub-Saharan Africa	3		
ENG 440G Studies in British Literature (Subtitle required)	3		
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	3		
GEO 328 Geography of the Middle East and North Africa	3		
GEO 336 Geography of Sub-Saharan Africa	3		
HIS 208 History of the Atlantic World	3		
HIS 254 History of Sub-Saharan Africa	3		
HIS 548 History of the Middle East: 1453-1920	3		
HIS 549 History of the Middle East: 1952 to the Present	3		
^HIS 550 Studies in the Mid-East History and Politics (Subtitle required)	3		
HIS 551 Foreign Policies of Middle-East States	3		
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3		
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3		
^INT 350 Special Topics in International Studies (Subtitle required)	3		

INT 399 Internship in International Studies	3	Europe	HIS 370 Early Middle Ages	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3	A-H 323 Medieval (Subtitle required)	HIS 371 Later Middle Ages	3
^PS 410 Topics in Regional Politics (Subtitle required)	3	A-H 334 Reframing Renaissance Art	HIS 500 Preclassical and Classical Greece	3
^PS 417G Survey of Sub-Saharan Politics	3	ANT 241 Origins of Old World Civilization	HIS 501 Fourth-Century Greece and the Hellenistic World	3
^SOC 444 Topics in Political Sociology (Subtitle required)	3	ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	HIS 502 A History of the Roman Republic	3
^The subtitle for this course must directly relate to the Africa and the Middle East concentration. You must check with the IS director or advisor for verification prior to taking the course.		CLA 210 The Art of Greece and Rome	HIS 503 A History of the Roman Empire	3
East, South, and Southeast Asia		CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great	HIS 504 Greek and Roman Medicine	3
A-H 310 Asian Art and Culture (Subtitle required)	3	CLA 230 The Hellenistic World and Rome to the Death of Constantine	HIS 509 Roman Law	3
ANT 241 Origins of Old World Civilization	3	CLA 261 Literary Masterpieces of Greece and Rome	HIS 514 Spain: From Reconquest to Empire, 1200-1700	3
ANT 327 Culture and Societies of India and South Asia	3	CLA 301 Latin Literature I (Subtitle required)	HIS 519 The Era of the Renaissance	3
CHI 320 Gender Politics in Chinese Literature	3	CLA 302 Latin Literature II (Subtitle required)	HIS 521 European Social History, 1400-1800	3
CHI 321 Introduction to Contemporary Chinese Film	3	CLA 331 Gender and Sexuality in Antiquity	HIS 522 Europe and the World in the Age of Revolution (1760-1815)	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3	CLA 382 Greek and Roman Religion	HIS 525 Modern Europe: 1890-1939	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3	CLA 390 Backgrounds to and Early History of Christianity to 150 CE	HIS 526 Europe Since 1939	3
CHI 430 Popular Culture in Modern China	3	CLA 391 Christians in the Roman Empire	HIS 529 Women in Modern Europe	3
CHI 511 Literary Chinese	3	CLA 480G Studies in Greek and Latin Literature (Subtitle required)	HIS 540 History of Modern France to 1815	3
ENG 440G Studies in British Literature (Subtitle required)	3	CLA 509 Roman Law	HIS 541 History of Modern France Since 1815	3
GEO 330 Geography of the Indian Subcontinent	3	CLA 524 The Latin Literature of the Republic (Subtitle required)	HIS 542 German History, 1789-1918	3
GEO 332 Geography of Southeast Asia	3	CLA 525 The Latin Literature of the Empire (Subtitle required)	HIS 543 German History Since 1918	3
GEO 333 Geography of East Asia	3	CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	HIS 546 The Byzantine Empire	3
GEO 334 Environment, Society and Economy of Japan	3	CLA 551 Greek Poetry and Drama (Subtitle required)	HIS 553 Eighteenth Century Britain	3
GEO 551 Japanese Multinational Corporations	3	CLA 555 Greek Prose (Subtitle required)	HIS 554 British History 1815-1901	3
HIS 295 East Asia to 1800	3	ENG 241 Survey of British Literature I	HIS 555 British History Since 1901	3
HIS 296 East Asia Since 1600	3	ENG 242 Survey of British Literature II	HIS 556 The British Empire, 1322-1879	3
HIS 593 East Asian History Since World War II	3	ENG 274 Classics of Western Literature	HIS 557 British Empire and Commonwealth, 1880-2000	3
HIS 597 Westerners in East Asia, 1839 to the Present	3	ENG 342 Shakespeare	^INT 350 Special Topics in International Studies (Subtitle required)	3
HIS 598 China in Revolution, 1895-1976	3	ENG 440G Studies in British Literature (Subtitle required)	INT 399 Internship in International Studies	3
^INT 350 Special Topics in International Studies (Subtitle required)	3	FR 214 France Today	ITA 263 Studies in Italian Culture (Subtitle required)	3
INT 399 Internship in International Studies	3	FR 215 Visual Cultures	^PS 410 Topics in Regional Politics (Subtitle required)	3
ITA 443G Survey of Italian Literature I	3	FR 225 French Film Noir	PS 419G The Governments and Politics of Eastern Asia	3
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	3	^FR 324 Studies in French Literature (Subtitle required)	PS 420G Governments and Politics of South Asia	3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3	FR 335 War, Literature, Film	^SOC 444 Topics in Political Sociology (Subtitle required)	3
JPN 351 The Japanese Experience of the Twentieth Century	3	^FR 350 Francophone Cultures (Subtitle required)	SPA 262 Hispanic Literatures in Translation (Subtitle required)	3
JPN 400G Topics in Japan Studies (Subtitle required)	3	FR 504 Topics in French Literature and Culture (Subtitle required)	SPA 312 Civilization of Spain	3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3	GEO 326 Geography of Europe	SPA 320 Literature, Life and Thought of Spain	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3	GER 263 The German Cultural Tradition I	SPA 372 Spanish Cinema (Subtitle required)	3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3	GER 264 The German Cultural Tradition II	SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3
JPN 451G Social Movements in Modern Japan	3	GER 311 Introduction to German Literature: Themes (Subtitle required)	SPA 434 Spanish Literature of the 20th Century	3
JPN 461G Japanese Colonialism and Its Legacies	3	GER 312 Introduction to German Literature: Popular Forms	SPA 438G Literature of Social Protest in Spanish America	3
PHI 343 Asian Philosophy	3	GER 317 History of German Culture	^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3	GER 319 Contemporary German Literature and Culture	SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
^PS 410 Topics in Regional Politics (Subtitle required)	3	GER 342 War, Peace, and Terror in Germany and Europe	TA 485 French Theatre: Culture, Text and Performance	3
^SOC 444 Topics in Political Sociology (Subtitle required)	3	GER 361 German Cinema	^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.	
^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.		GER 415G Major German Authors (Subtitle required)	Latin America	
		GER 416G Genres of German Literature	ANT 242 Origins of New World Civilization	3
		GER 420G Special Studies in German Literary and Cultural History (Subtitle required)	ANT 320 Andean Civilization	3
		HIS 202 History of British People to the Restoration	ANT 322 Ancient Mexican Civilizations	3
		HIS 203 History of British People Since the Restoration	ANT 324 Contemporary Latin American Cultures	3
		HIS 229 The Ancient Near East and Greece to the Death of Alexander the Great	ANT 328 The Ancient Maya	3
		HIS 230 The Hellenistic World and Rome to the Death of Constantine	ENG 440G Studies in British Literature (Subtitle required)	3
		HIS 323 The Holocaust	FR 204 Introduction to French and Francophone Studies	3

HIS 206 History of Colonial Latin America, 1492-1810	3
HIS 207 History of Modern Latin America, 1810 to Present	3
HIS 208 History of the Atlantic World	3
HIS 561 Culture, Ideas, and Society in Latin America ...	3
HIS 562 Modern Mexico	3
HIS 563 The History of Women in Latin America	3
HIS 564 History of Brazil	3
^INT 350 Special Topics in International Studies (Subtitle required)	3
INT 399 Internship in International Studies	3
LAS 201 Introduction to Latin America	3
^PS 410 Topics in Regional Politics (Subtitle required)	3
PS 428G Latin American Government and Politics	3
PS 538 Conflict and Cooperation in Latin American Relations	3
^SOC 444 Topics in Political Sociology (Subtitle required)	3
^SPA 314 Civilization of Spanish America	3
SPA 315 Introduction to Hispanic Literature	3
SPA 322 Literature, Life and Thought of Spanish America	3
SPA 361 Latin American Literature in Translation (Subtitle required)	3
SPA 371 Latin American Cinema (Subtitle required)	3
^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 480 Hispanic Kentucky	3
<i>^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.</i>	
Russia and Eurasia	
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	3
ANT 432 Anthropology of Eastern Europe and Russia	3
ENG 440G Studies in British Literature (Subtitle required)	3
GEO 329 Geography of the Former Soviet Union	3
HIS 385 History of Russia to 1825	3
HIS 386 History of Russia Since 1825	3
HIS 534 Russia in the 19th Century	3
HIS 535 Russia in the 20th Century	3
HIS 536 Intellectual and Cultural History of Russia to 1800	3
HIS 537 Intellectual and Cultural History of Russia From 1800 to the Present	3
^INT 350 Special Topics in International Studies (Subtitle required)	3
INT 399 Internship in International Studies	3
^PS 410 Topics in Regional Politics (Subtitle required)	3
PS 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

^SOC 444 Topics in Political Sociology (Subtitle required)	3
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^The subtitle for this course must directly relate to the Russia and Eurasia concentration. You must check with the IS director or advisor for verification prior to taking the course.

Bachelor of Science with a major in INTERNATIONAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

INT 495 Capstone Seminar for International Studies Majors (Subtitle required)	3
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Graduation Composition and Communication Requirement hours (GCCR)

College Requirements

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

III. Laboratory or Field Work	1
IV. Electives	6
Subtotal: College hours:	25-39

Distribution Requirements

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

Major Requirements

Pathway Courses

Complete **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 235 World Politics	3
TA 385 World Theatre I	3

Language Competency

Complete the fourth semester in one language

AND

Two semesters in a second language

OR

Two additional semesters in the same language

Capstone Senior Project

Complete the following course:

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

OR

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

Thematic Concentrations

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

International Relations

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

ANT 311 Anthropology of Globalization	3
ANT 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	ANT 585 Field Laboratory in Archaeological Research	3	^GER 520 Special Topics Seminar	3
HIS 575 The Diplomacy and Foreign Policy of the United States Since 1919	3	CHI 320 Gender Politics in Chinese Literature	3	HIS 208 History of the Atlantic World	3
PS 391 Special Topics in Political Science (Subtitle required)^	3	CHI 321 Introduction to Contemporary Chinese Film	3	HIS 352 Topics in European History Before 1789	3
PS 410 Topics in Regional Politics (Subtitle required)^	3	CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3	HIS 353 Topics in European History Since 1789	3
PS 427G East European Politics	3	CHI 331 Introduction to Chinese Culture, 1840 to Present	3	HIS 512 Carolingian Empire	3
PS 430G The Conduct of American Foreign Relations	3	CHI 430 Popular Culture in Modern China	3	HIS 536 Intellectual and Cultural History of Russia to 1800	3
PS 431G National Security Policy	3	CLA 210 The Art of Greece and Rome	3	HIS 537 Intellectual and Cultural History of Russia from 1800 to the Present	3
PS 433G Politics of International Economic Relations	3	CLA 261 Literary Masterpieces of Greece and Rome	3	HIS 546 The Byzantine Empire	3
PS 436G International Organization	3	CLA 301 Latin Literature I (Subtitle required)	3	HIS 552 Tudor-Stuart Britain, 1485-1714	3
PS 437G Dynamics of International Law	3	CLA 302 Latin Literature II (Subtitle required)	3	HIS 564 History of Brazil	3
PS 439G Special Topics in International Relations (Subtitle required)	3	CLA 331 Gender and Sexuality in Antiquity	3	HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3
SOC 444 Topics in Political Sociology (Subtitle required)^	3	CLA 382 Greek and Roman Religion	3	HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3
Culture and the Arts		CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3	HJS 327 Women in Judaism	3
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.		CLA 391 Christians in the Roman Empire	3	^HJS 425 Topics in Judaic Studies (Subtitle required)	3
A-H 308 Studies in African Arts (Subtitle required)	3	CLA 450G Special Topics in Classical Studies (Subtitle required)	3	ITA 263 Studies in Italian Culture (Subtitle required)	3
A-H 310 Asian Art and Culture (Subtitle required)	3	CLA 462G Topics in Classical Literature (Subtitle required)	3	ITA 443G Survey of Italian Literature I	3
A-H 323 Medieval (Subtitle required)	3	CLA 480G Studies in Greek and Latin Literature (Subtitle required)	3	JOU 319 World Media Systems	3
A-H 334 Reframing Renaissance Art (Subtitle required)	3	CLA 509 Roman Law	3	JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3
A-H 350 Contemporary	3	CLA 524 The Latin Literature of the Republic (Subtitle required)	3	JPN 420G Pre-Modern Literary and Visual Arts of Japan	3
^A-H 527 Interdisciplinary Approaches (Subtitle required)	3	CLA 525 The Latin Literature of the Empire (Subtitle required)	3	JPN 421G Contemporary Literary and Visual Arts of Japan	3
AIS 328 Islamic Civilization I	3	CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3
AIS 330 Islamic Civilization II	3	CLA 551 Greek Poetry and Drama (Subtitle required)	3	MAT 247 Dress and Culture	3
AIS 331 Classical Arabic Literature (in English)	3	CLA 555 Greek Prose (Subtitle required)	3	MCL 270 Introduction to Folklore and Mythology	3
^AIS 435 Topics in Islamic Studies (Subtitle required)	3	ENG 241 Survey of British Literature I	3	MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence	3
AIS 440 Introduction to the Quran	3	ENG 242 Survey of British Literature II	3	^MUS 330 Music in the World (Subtitle required)	3
ANT 241 Origins of Old World Civilization	3	ENG 274 Classics of Western Literature	3	PHI 343 Asian Philosophy	3
ANT 242 Origins of New World Civilization	3	^ENG 330 Text and Context (Subtitle required)	3	PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
ANT 311 Anthropology of Globalization	3	ENG 342 Shakespeare	3	PHI 516 Contemporary Philosophy: Phenomenological Directions	3
ANT 320 Andean Civilization	3	ENG 440G Studies in British Literature (Subtitle required)	3	RUS 270 Russian Culture 900-1900	3
ANT 322 Ancient Mexican Civilizations	3	EPE 554 Culture, Education and Teaching Abroad	3	RUS 271 Russian Culture 1900-Present	3
ANT 324 Contemporary Latin American Cultures	3	^FA 501 Arts-Study Tour	3	RUS 370 Russian Folklore (in English)	3
ANT 326 People and Cultures of Sub-Saharan Africa	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 327 Culture and Societies of India and South Asia	3	^FR 350 Francophone Cultures (Subtitle required)	3	RUS 380 Nineteenth-Century Russian Literature (in English)	3
ANT 328 The Ancient Maya	3	FR 465G Topics in French Literature and Culture in Translation (Subtitle required)	3	RUS 381 Russian Literature 1900-Present (in English)	3
^ANT 350 Topics in Anthropology (Subtitle required)	3	FR 470G Topical Seminar I (Subtitle required)	3	RUS 400G Russian Cultural Studies (Subtitle required)	3
^ANT 351 Special Topics in Archaeology (Subtitle required)	3	FR 504 Topics in French Literature and Culture (Subtitle required)	3	RUS 460G Major Russian Writers (Subtitle required)	3
^ANT 352 Special Topics in Cultural Anthropology (Subtitle required)	3	GEO 442G Political Geography	3	RUS 463 Russian Film and Theater (Subtitle required)	3
^ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)	3	GEO 491G Japanese Landscapes	3	SAG 201 Cultural Perspectives on Sustainability	3
ANT 432 Anthropology of Eastern Europe and Russia	3	GER 263 The German Cultural Tradition I	3	^SOC 435 Topics in Social Inequalities (Subtitle required)	3
ANT 433 Social Organization	3	GER 264 The German Cultural Tradition II	3	SPA 262 Hispanic Literatures in Translation (Subtitle required)	3
ANT 440 Anthropological Perspectives on Child Growth	3	GER 311 Introduction to German Literature: Themes (Subtitle required)	3	SPA 315 Introduction to Hispanic Literature	3
ANT 450 Symbols and Culture	3	GER 312 Introduction to German Literature: Popular Forms	3	SPA 320 Literature, Life and Thought of Spain	3
ANT 490 Anthropological Research Methods	3	GER 317 History of German Culture	3	SPA 322 Literature, Life and Thought of Spanish America	3
ANT 515 Phonological Analysis	3	GER 319 Contemporary German Literature and Culture	3	SPA 361 Latin American Literature in Translation (Subtitle required)	3
ANT 516 Grammatical Typology	3	GER 352 German-Speaking Europe (Subtitle required)	3	SPA 371 Latin American Cinema (Subtitle required)	3
ANT 532 Anthropology of the State	3	GER 361 German Cinema	3	SPA 372 Spanish Cinema (Subtitle required)	3
ANT 541 Archaeological Method and Theory	3	GER 363 Germanic Mythology	3	^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
ANT 543 Cultural Resource Management	3	GER 415G Major German Authors (Subtitle required)	3	SPA 420 Spanish in the World	3
ANT 545 Historical Archaeology	3	GER 416G Genres of German Literature	3	SPA 424 Medieval and Early Modern Spanish Studies	3
ANT 582 Senior Integrative Seminar	3	GER 420G Special Studies in German Literary and Cultural History (Subtitle required)	3		

SPA 434 Spanish Literature of the 20th Century	3
SPA 438G Literature of Social Protest in Spanish America	3
^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
^SPA 464 Contemporary Spanish-American Studies (Subtitle required)	3
^SPA 474 Topics in Hispanic Studies (Subtitle required)	3
SPA 480 Hispanic Kentucky	3
SW 320 Global Poverty: Responses Across Cultures	3
TA 386 World Theatre II	3
TA 485 French Theatre: Culture, Text and Performance	3
TA 584 Asian Theatre	3

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

Global Environment

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

ANT 311 Anthropology of Globalization	3
ANT 332 Human Evolution	3
ANT 333 Contemporary Human Variation	3
ANT 338 Economic Anthropology	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 375 Ecology and Social Practice	3
ANT 490 Anthropological Research Methods	3
GEO 222 Cities of the World	3
GEO 231 Environment and Development	3
GEO 235 Environmental Management and Policy	3
GEO 331 Global Environmental Change	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 Anthropology of Globalization	3
ANT 338 Economic Anthropology	3
ANT 340 Development and Change in the Third World	3
ANT 350 Topics in Anthropology (Subtitle required)^	3
^ANT 351 Special Topics in Archaeology (Subtitle required)	3
^ANT 352 Special Topics in Cultural Anthropology (Subtitle required)	3
^ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)	3
ANT 433 Social Organization	3
ANT 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 Spanish for Business Professionals	3

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

Human Rights and Social Movements

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

AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
ANT 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 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
HIS 551 Foreign Policies of Middle East States	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 327 Women in Judaism	3
^HJS 425 Topics in Judaic Studies (Subtitle required)	3
^MUS 330 Music in the World (Subtitle required)	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
^PS 410 Topics in Regional Politics (Subtitle required)	3
PS 417G Survey of Sub-Saharan Politics	3

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

East, South, and Southeast Asia

A-H 310 Asian Art and Culture (Subtitle required)	3
^A-H 527 Interdisciplinary Approaches (Subtitle required)	3
AIS 328 Islamic Civilization I	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
^AIS 435 Topics in Islamic Studies (Subtitle required)	3
AIS 440 Introduction to the Quran	3
ANT 327 Culture and Societies of India and South Asia	3
^ANT 350 Topics in Anthropology (Subtitle required)	3

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

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

Europe

A-H 334 Reframing Renaissance Art (Subtitle required)	3
^A-H 527 Interdisciplinary Approaches (Subtitle required)	3
^ANT 350 Topics in Anthropology (Subtitle required)	3
^ANT 351 Special Topics in Archaeology (Subtitle required)	3
^ANT 352 Special Topics in Cultural Anthropology (Subtitle required)	3
^ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)	3
CLA 210 The Art of Greece and Rome	3

CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great	3
CLA 230 The Hellenistic World and Rome to the Death of Constantine	3
CLA 261 Literary Masterpieces of Greece and Rome	3
CLA 301 Latin Literature I (Subtitle required)	3
CLA 302 Latin Literature II (Subtitle required)	3
CLA 331 Gender and Sexuality in Antiquity	3
CLA 382 Greek and Roman Religion	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3
CLA 391 Christians in the Roman Empire	3
CLA 450G Special Topics in Classical Studies (Subtitle required)	3
CLA 462G Topics in Classical Literature (Subtitle required)	3
CLA 480G Studies in Greek and Latin Literature (Subtitle required)	3
CLA 509 Roman Law	3
CLA 524 The Latin Literature of the Republic (Subtitle required)	3
CLA 525 The Latin Literature of the Empire (Subtitle required)	3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	3
CLA 551 Greek Poetry and Drama (Subtitle required)	3
CLA 555 Greek Prose (Subtitle required)	3
ENG 241 Survey of British Literature I	3
ENG 242 Survey of British Literature II	3
ENG 274 Classics of Western Literature	3
^ENG 330 Text and Context (Subtitle required)	3
ENG 342 Shakespeare	3
ENG 440G Studies in British Literature (Subtitle required)	3
^FA 501 Arts-Study Tour	3
^FR 350 Francophone Cultures (Subtitle required)	3
^FR 465G Topics in French Literature and Culture in Translation (Subtitle required)	3
^FR 470G Topical Seminar I (Subtitle required)	3
GEO 326 Geography of Europe	3
GEO 365 Special Topics in Regional Geography (Subtitle required)^	3
GER 263 The German Cultural Tradition I	3
GER 264 The German Cultural Tradition 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 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 520 Special Topics Seminar	3
HIS 202 History of British People to the Restoration	3
HIS 203 History of British People Since the Restoration	3
HIS 208 History of the Atlantic World	3
HIS 230 The Hellenistic World and Rome to the Death of Constantine	3
HIS 323 The Holocaust	3
HIS 352 Topics in European History Before 1789	3
HIS 353 Topics in European History Since 1789	3
HIS 370 Early Middle Ages	3

HIS 371 Later Middle Ages	3
HIS 500 Preclassical and Classical Greece	3
HIS 501 Fourth Century Greece and the Hellenistic World	3
HIS 502 A History of the Roman Republic	3
HIS 503 A History of the Roman Empire	3
HIS 504 Greek and Roman Medicine	3
HIS 509 Roman Law	3
HIS 512 Carolingian Empire	3
HIS 514 Spain: From Reconquest to Empire, 1200-1700	3
HIS 519 The Era of the Renaissance	3
HIS 521 European Social History, 1400-1800	3
HIS 522 Europe and the World in the Age of Revolution (1760-1815)	3
HIS 525 Modern Europe: 1890-1939	3
HIS 526 Europe Since 1939	3
HIS 529 Women in Modern Europe	3
HIS 540 History of Modern France to 1815	3
HIS 541 History of Modern France Since 1815	3
HIS 542 German History, 1789-1918	3
HIS 543 German History Since 1918	3
HIS 546 The Byzantine Empire	3
HIS 552 Tudor-Stuart Britain, 1485-1714	3
HIS 553 Eighteenth Century Britain	3
HIS 554 British History 1815-1901	3
HIS 555 British History Since 1901	3
HIS 556 The British Empire, 1322-1879	3
HIS 557 British Empire and Commonwealth, 1880-2000	3
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 Studies in Italian Culture (Subtitle required)	3
ITA 443G Survey of Italian Literature I	3
^PS 410 Topics in Regional Politics (Subtitle required)	3
PS 427G East European Politics	3
SPA 262 Hispanic Literatures in Translation (Subtitle required)	3
SPA 312 Civilization of Spain	3
SPA 320 Literature, Life and Thought of Spain	3
^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
SPA 420 Spanish in the World	3
SPA 424 Medieval and Early Modern Spanish Studies	3
SPA 434 Spanish Literature of the 20th Century	3
^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics	3
TA 485 French Theatre: Culture, Text and Performance	3
<i>^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.</i>	

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
<i>^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.</i>	

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

Minor in International Studies

The minor in International Studies requires 18 credit hours of course work, 12 of which must be at the 300 level or above. Nine of the 18 credit hours should be in either a thematic or area concentration. No more than 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 126.

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 Composition and Communication Requirement (GCCR)

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

College Requirements

I. Foreign Language (*completed by Premajor Requirements*)
II. Disciplinary Requirements
a. Natural Science 6
b. Social Science 6
c. Humanities (*completed by Major Requirements*)
III. Laboratory or Field Work 1
IV. Electives 6
College Requirement hours: 19

Premajor Requirements

Complete the third and fourth semesters of a foreign language (or the equivalent) 6-8
Premajor hours: 6-8

Major Requirements

Major Core Requirements

LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis 3
LIN 222 Introduction to Linguistics II:
Language in Context 3
plus four major area courses:
LIN 500 Phonetics 3
LIN 505 Linguistic Morphology 3
LIN 512 Analysis of English Syntax 3
LIN 515 Phonological Analysis 3

plus 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 page 127.

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 Composition and Communication Requirement (GCCR)

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

College Requirements

I. Foreign Language (*completed by Premajor Requirements*)
II. Disciplinary Requirements
a. Natural Science 3
b. Social Science 3
c. Humanities (*completed by Major Requirements*)
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 the Study of Language 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 include:

LIN 221 Introduction to Linguistics I:
Theoretical Foundations and Analysis 3
LIN 222 Introduction to Linguistics II:
Language in Context 3

Choose **one** phonetics/phonology course:
LIN 500 Phonetics
or
LIN 515 Phonological Analysis 3

Choose **one** morphosyntax/semantic course:
LIN 512 Analysis of English Syntax
LIN 505 Linguistic Morphology
LIN 509 Semantics and Pragmatics
or
LIN 516 Grammatical Typology 3

Choose **two** other LIN courses at 300 level or above 6

MATHEMATICAL ECONOMICS

The mathematical economics major offers students a degree program that combines mathematics, statistics, and economics. In today's increasingly complicated international business world, a strong preparation in the fundamentals of both economics and mathematics is crucial to success. This degree program is designed to prepare a student to go directly into the business world with skills that are in high demand, or to go on to graduate study in economics or finance. A degree in mathematical economics would, for example, prepare a student for the beginning of a career in operations research or actuarial science.

In many ways, the mathematical economics program parallels the engineering philosophy. It combines the quantitative methods of mathematics with an applied science in order to solve real problems. As an example, operations research is used to optimize costs for extremely complicated systems such as airline scheduling. A major problem in business and economics is decision making under uncertainty. Efficient inventory control for large national retail chains can mean the difference between success and failure. A business will improve its bottom line if it can effectively control cost of inventory under the uncertainty of consumer demand. The solution of control problems of this type requires knowledge of relatively sophisticated mathematics and statistics as well as knowledge of basic economic principles.

There is currently a serious shortage of individuals who have sufficient training in mathematics and statistics as well as an understanding of business and economics. Companies that employ operations research analysts or actuaries cannot fill their positions. Mathematical economics and related areas have often been referred to as engineering for the service sector or "financial engineering." With the ever increasing importance of the service sector in our economy, the math-econ degree will prove to be a valuable asset. The program will give the student an opportunity to study a fascinating collection of ideas and it will also provide the student with very marketable skills.

Bachelor of Arts with a major in MATHEMATICAL ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

ECO 491G Applied Econometrics	3
Graduation Composition and Communication Requirement hours (GCCR)	3

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science	6
b. Social Science (<i>completed by Major Requirements</i>)	6
c. Humanities	6
III. Laboratory or Field Work	1
IV. Electives	6
College Requirement hours:	19-33

Premajor Requirements

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

Major Requirements

Mathematics Core Requirements	
MA 213 Calculus III	4
MA 214 Calculus IV	3
MA 320 Introductory Probability	3
MA 322 Matrix Algebra and its Applications	3
Mathematics Core hours:	13

Economics Core Requirements

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

For the Economics Component

Choose nine hours of 300+ level economics courses

For the Statistics Component

Choose STA 291 or a higher level statistics course

Other Major hours:

Electives

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

Total Minimum Hours

Required for Degree

*Course used towards completion of a UK Core Requirement.

Bachelor of Science with a major in MATHEMATICAL ECONOMICS

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Please note: courses with an ECO prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

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 Composition and Communication Requirement (GCCR)

ECO 491G Applied Econometrics 3
Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (*placement exam recommended*) 0-14
 II. Disciplinary Requirements
 a. Natural Science 3
 b. Social Science (*completed by Major Requirements*) 3
 c. Humanities 3
 III. Laboratory or Field Work 1
 IV. Electives 6
College Requirement hours: 13-27

Premajor Requirements

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

Major Requirements

Mathematics Core Requirements
 MA 213 Calculus III 4
 MA 214 Calculus IV 3
 MA 320 Introductory Probability 3
 MA 322 Matrix Algebra and its Applications 3
Mathematics Core hours: 13

Economics Core Requirements

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

ematical 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 126.

UK Core Requirements

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

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

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

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

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

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

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

VII. Quantitative Foundations
 MA 113 Calculus I 4

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

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

X. Global Dynamics
 Choose one course from approved list 3
UK Core hours: 31

Graduation Composition and Communication Requirement (GCCR)

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

College Requirements

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

IV. Electives 6
College Requirement hours: 25-39

OPTIONS

Option A – Mathematics

Premajor Requirements

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

Major Requirements

Major Core Requirements
 MA 213 Calculus III 4
 MA 214 Calculus IV
 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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 31

Graduation Composition and Communication Requirement (GCCR)

MA 391 Mathematics: Composition and Communication 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 3

b. Social Science 3

c. Humanities 3

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 16-30

OPTIONS

Option A – Mathematics

Premajor Requirements

*MA 113 Calculus I 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

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

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

1. MA 113/114 Calculus I and II and 8

MA 213 Calculus III 4

or equivalent

2. MA 322 Matrix Algebra and Its Applications 3

or equivalent

- 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 Active Army, Army National Guard, and U.S. Army Reserve.

Scholarships

Students interested in Army ROTC scholarships should contact the Army ROTC Admissions Officer at (859) 257-6865; or visit 101 Barker Hall on campus. Additionally, students should refer to the *Student Financial Aid, Awards, and Benefits* section of this Bulletin.

Academic Program

Required program courses are: AMS 101, AMS 102, AMS 211, AMS 212, AMS 301, AMS 302, AMS 341, AMS 342, an approved military history course (AMS 320), and continuous enrollment (or participation) in KHP 107 and AMS 250 or 350 once contracted in the ROTC program. Also, cadets attend a five-week Leadership Development Assessment Course, usually in the summer between the junior and senior years in Fort Knox, KY.

An alternative two-year program is available for students with at least two academic years remaining until graduation and who have not completed the AMS 100- and AMS 200-level courses. Students should contact the Professor of Military Science about the four-week summer Leadership Training Course conducted each summer at Fort Knox, Kentucky. Successful completion of the camp enables students to take AMS 300-level courses and complete the program in two years.

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

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

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

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

Professional development and enrichment opportunities are also available through ROTC-sponsored university organizations—the Pershing Rifles and Kentucky Rangers.

Army ROTC incorporates the dimension of leadership into the academic curriculum and provides training and experience that can be valuable in any profession.

For more information, contact the Professor of Military Science, ATTN: Admissions Officer, U.S. Army ROTC, 101 Barker Hall, University of Kentucky, Lexington, KY 40506-0028; or call (859) 257-6865. Visit the Web site at: <http://armyrotc.as.uky.edu/>

MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

The Department of Modern and Classical Languages, Literatures and Cultures is comprised of 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 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 126.

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

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

College Requirements

- I. Foreign Language (*completed by Major Requirements*)
- II. Disciplinary Requirements
 - a. Natural Science 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 CLA 102 Elementary Latin
or equivalent
OR

CLA 151 and CLA 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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

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

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

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

College Requirements

I. Foreign Language (*completed by Major
Requirements*)

II. Disciplinary Requirements

a. Natural Science 3

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 CLA 102 Elementary Latin
or equivalent
OR

CLA 151 and CLA 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 minor in Classics requires 18 credit hours of course work, 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:

<http://mcl.as.uky.edu/french-and-francophone-studies>

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 126.

UK Core Requirements

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

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

- V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I 3
 - VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II 3
 - VII. Quantitative Foundations**
Choose one course from approved list 3
 - VIII. Statistical Inferential Reasoning**
Choose one course from approved list 3
 - IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list 3
 - X. Global Dynamics**
Choose one course from approved list 3
- UK Core hours: 30**

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

- College Requirements**
- I. Foreign Language (*completed by 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, geog-

raphy, history, Italian, Japanese, Latin, linguistics, music history, philosophy, political science, religious studies, Russian, sociology, Spanish, theatre, or other disciplines approved by the Director of Undergraduate Studies ... 14

Other Major hours: 14

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 14

Total Minimum Hours Required for Degree 120

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 page 127.

UK Core Requirements

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

- I. Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list 3
 - II. Intellectual Inquiry in the Humanities**
Choose one course from approved list 3
 - III. Intellectual Inquiry in the Social Sciences**
Choose one course from approved list 3
 - IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list 3
 - V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I 3
 - VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II 3
 - VII. Quantitative Foundations**
Choose one course from approved list 3
 - VIII. Statistical Inferential Reasoning**
Choose one course from approved list 3
 - IX. Community, Culture and Citizenship in the USA**
Choose one course from approved list 3
 - X. Global Dynamics**
Choose one course from approved list 3
- UK Core hours: 30**
- Graduation Composition and Communication Requirement (GCCR)**
MCL 495 Modern and Classical Languages,
Literatures and Cultures Capstone 3
- Graduation Composition and Communication Requirement hours (GCCR) 3**

College Requirements

I. Foreign Language (<i>completed by Premajor Requirement</i>)	
II. Disciplinary Requirements	
a. Natural Science	3
b. Social Science	3
c. Humanities (<i>completed by Major Requirements</i>)	
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
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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

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 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (*completed by 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 of course work 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 in the Hebrew language.

For more information, visit the MCL Web site: mcl.as.uky.edu

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/arabic-and-islamic-studies>

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

1. Minor Requirements (6 hours)

AIS 328 Islamic Civilization I 3

AIS 330 Islamic Civilization II 3

2. Minor Electives (12 hours)

AIS 101 Elementary Modern Standard Arabic 4

AIS 102 Elementary Modern Standard Arabic 4

AIS 201 Intermediate Modern Standard Arabic 3

AIS 202 Intermediate Modern Standard Arabic 3

AIS 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

Note: Other courses in the area may be elected with the approval of the chair of the department.

For further information, contact: Dr. Ihsan Bagby, 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

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 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (completed by 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

CHI 201 Intermediate Chinese I 4

CHI 202 Intermediate Chinese II 4

Premajor Requirement hours: 8

Major Requirements

Chinese Language Core

CHI 301 Advanced Intermediate Chinese I 3

CHI 302 Advanced Intermediate Chinese II 3

Chinese Culture Core

CHI 330 Introduction to Chinese Culture,
Pre-Modern to 1840

CHI 331 Introduction to Chinese Culture,
1840 to Present

Major Requirement hours: 12

Additional Courses

In addition, students must take additional credits in Chinese language, culture, literature, history, art, or other approved areas taken from MCL or other departments to lead to the total credit hours of 42. No more than 15 hours of CHI is permitted from the following. Courses beyond this list may be approved by a faculty advisor.

Chinese Language

CHI 401 Advanced Chinese I 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

Contemporary Culture and Society

CHI 430 Popular Culture in Modern China 3

*HIS 355 Topics in Non-Western History
Since 1789

HIS 598 China in Revolution, 1895-1976 3

Pre-Modern Culture and Society

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)

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

Additional Courses hours: 30

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 minor in Chinese is designed for students who wish to supplement degree in other fields with a strong foundation in Chinese language and culture. The minor requires 18 hours of course work to include:

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

CHI 331 Introduction to Chinese Culture,
1840 to Present

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

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

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

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 126.

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

College Requirement hours: 19

Premajor Requirements

JPN 201 Intermediate Japanese I 4
JPN 202 Intermediate Japanese II 4

Subtotal: Premajor Requirements 8

Major Requirements

A. Language Requirements

JPN 301 Advanced Japanese I 3
JPN 302 Advanced Japanese II 3
JPN 401 Advanced Japanese III 3
JPN 402 Advanced Japanese IV 3

Subtotal: Language Requirements 12

B. Interdisciplinary Core Requirements

Choose 18 hours from:

Arts, Literature, and Film

JPN 420G, 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 page 127.

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (completed by 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 minor in Japan Studies 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 25-hour program consists of (1) 16 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.

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
JPN 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 Advanced Issues in Organizational Communication (Subtitle required)	3
JPN 395 Independent Work in Japanese	1-6
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3
GEO/JPN 491G Japanese Landscapes	3
JPN 520 Japanese Linguistics and Society	3
GEO/JPN 551 Japanese Multinational Corporations	3

For further information, contact Professor Masamichi Inoue, Director, Japan Studies Program, (859) 257-7024 or (859) 257-3761; e-mail: msinoue@uky.edu.

**Bachelor of Arts with a major in
RUSSIAN STUDIES****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 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list

II. Intellectual Inquiry in the Humanities

Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list

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

Choose one course from approved list

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list

X. Global Dynamics

Choose one course from approved list

UK Core hours: 30

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

MCL 495 Modern and Classical Languages,

Literatures and Cultures Capstone

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science

b. Social Science (*partially completed by Major
Requirement*)

c. Humanities (*completed by Major Requirements*)

III. Laboratory or Field Work

IV. Electives

College Requirement hours: 16

Premajor Requirements

RUS 202 Intermediate Russian

*RUS 270 Russian Culture 900-1900

or

RUS 271 Russian Culture 1900-Present

Premajor hours: 7

Major Core Requirements

HIS 385 History of Russia to 1825

HIS 386 History of Russia Since 1825

RUS 380 Nineteenth Century Russian Literature

(in English)

RUS 381 Russian Literature 1900-Present

(in English)

RUS 301 Conversation and Composition I

RUS 302 Advanced Intermediate Russian II

RUS 401 Advanced Russian I

RUS 404 Advanced Russian II

RUS 499 Russian Studies Capstone Seminar

(Subtitle required)

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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

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

College Requirement hours: 10

Premajor Requirements

RUS 202 Intermediate Russian 4

*RUS 270 Russian Culture 900-1900

or

RUS 271 Russian Culture 1900-Present 3

Premajor hours: 7

Major Core Requirements

- HIS 385 History of Russia to 1825 3
- HIS 386 History of Russia Since 1825 3
- RUS 380 Nineteenth Century Russian Literature (in English) 3
- RUS 381 Russian Literature 1900-Present (in English) 3
- RUS 301 Conversation and Composition I 3
- RUS 302 Advanced Intermediate Russian II 3
- RUS 401 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 of course work beyond second-year proficiency in Russian language (RUS 202) distributed as follows:

1. 6 hours of Russian language courses at the 300 level or above
and
2. 12 hours of additional course work in designated Russian area studies courses, of which at least 9 hours must be in RUS courses.

Note: RUS 395, Independent Work in Russian, may not be used for the minor.

Minor in Folklore and Mythology

The minor in Folklore and Mythology requires a minimum of 18 hours of course work (plus 6 preminor) to include:

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

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 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

PHI 350 Metaphysics and Epistemology 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 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 300, 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343*, 361, 380, 395, 500 3

From Outside the Major Department

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

Other Major hours: 36

Electives

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

Total Minimum Hours

Required for Degree 120

^{*}Course used towards completion of a UK Core Requirement.

[^]French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

PHI 350 Metaphysics and Epistemology 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 3

b. Social Science 3

c. Humanities (*completed by Major Requirements*)

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 300, 305, 310, 317, 330, 332, 334, 335, 336, 337, 340, 343*, 361, 380, 395, 500 3

From Outside the Major Department

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

Other Major hours: 36

Electives

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

Total Minimum Hours Required for Degree 120

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

^French or German is highly recommended to complete the College foreign language requirements. Greek is recommended if the student plans to concentrate on ancient philosophy. Latin is recommended if the student plans to concentrate on medieval philosophy.

Minor in Philosophy

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

- a. No more than two 100-level courses
- b. At least one course in logic (PHI 120, PHI 320, or PHI 520)
- c. At least one course in the history of philosophy (PHI 260, PHI 270, or any course from Group A of the undergraduate curriculum)
- d. At least three courses (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

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 126.

UK Core Requirements

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

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

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

College Requirements

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

Premajor Requirements

- *PHY 231/232/241/242 General University Physics and Laboratory 10
or with permission of the Director of Undergraduate Studies:
 - *PHY 211/213 General Physics (10)
 - PHY 228 Optics, Relativity and Thermal Physics 3
 - CHE 105 General College Chemistry I 4
 - CHE 107 General College Chemistry II 3
 - *MA 113 Calculus I 4
 - MA 114 Calculus II 4
- Premajor hours: 28**

Major Requirements

- Major Core Requirements**
 - PHY 306 Theoretical Methods of Physics 3
 - PHY 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
- Major Core hours: 20**

Other Course Work Required for the Major

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

Total Minimum Hours Required for Degree 121

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

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 | Hours |
|---|-------|
| 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
Second Semester	
CHE 107 General College Chemistry II	3
PHY 361 Principles of Modern Physics	3
Foreign Language	3
**Social Sciences 300+	3
Major Related Electives	3

Senior Year

First Semester	Hours
PHY 3XX	3
PHY 4XX	3
**Social Sciences 300+	3
Major Related Electives	3
Electives	3
Second Semester	
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 page 127.

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
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II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

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

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

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

V. Composition and Communication I

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

VI. Composition and Communication II

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

VII. Quantitative Foundations

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

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

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

X. Global Dynamics

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

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

PHY 535 Advanced Physics Laboratory	3
-------------------------------------	---

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science (<i>completed by Premajor Requirements</i>)	
b. Social Science	3
c. Humanities	3
III. Laboratory or Field Work (<i>completed by Premajor Requirement</i>)	
IV. Electives	6
College Requirement hours:	12-26

Premajor Requirements

*PHY 231/232/241/242 General University Physics and Laboratory	10
or with permission of the Director of Undergraduate Studies:	
*PHY 211/213 General Physics	(10)

PHY 228 Optics, Relativity and Thermal Physics	3
CHE 105 General College Chemistry I	4
CHE 107 General College Chemistry II	3
*MA 113 Calculus I	4
MA 114 Calculus II	4

Premajor hours: 28

Major Requirements

Major Core Requirements	
PHY 306 Theoretical Methods of Physics	3
PHY 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 different courses from the following:

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

Major Core hours: 38

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

Choose 6 hours outside Physics at the 200+ level. Courses are generally chosen from biology, chemistry, computer science, education, engineering, mathematics, philosophy, or statistics. 200+ level courses used to satisfy College requirements can also be counted here

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 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	3

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

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

PHY 231 General University Physics and	
PHY 241 General University Physics Laboratory	
OR	
PHY 211 General Physics	5
PHY 232 General University Physics and	
PHY 242 General University Physics Laboratory	
OR	
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 astro-

physics. 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 126.

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 Composition and Communication Requirement (GCCR)

After attaining sophomore status, students must complete the Graduation Composition and Communication Requirement. Please see your academic advisor for courses that meet this requirement.

College Requirements

- I. Foreign Language (*placement exam recommended*) 0-14
 - II. Disciplinary Requirements
 - a. Natural Science 6
 - b. Social Science (*completed by Premajor Requirements*)
 - c. Humanities (*choose 300+ level courses*) 6
 - III. Laboratory or Field Work (*completed by PS 372*)
 - 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

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 PoliticsGeneral 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, 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

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 page 127.

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 Composition and Communication Requirement (GCCR)**

After attaining sophomore status, students must complete the Graduation Composition and Communication Requirement. Please see your academic advisor for courses that meet this requirement.

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)

..... 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

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 PoliticsGeneral 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, 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

AI 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 pre-requisite 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 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 126.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

PSY 100 Introduction to Psychology
or approved equivalent transfer course 3-4

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

PSY 215 Experimental Psychology 4

PSY 216 Applications of Statistics
in Psychology 4

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 35-36

Graduation Composition and Communication Requirement (GCCR)

Select one of the following:

PSY 427 Cognitive Processes 4

PSY 430 Research in Personality 4

PSY 440 Research in Social Psychology 4

PSY 450 Learning 4

PSY 456 Behavioral Neuroscience 4

PSY 460 Processes of Psychological Development 4

PSY 552 Evolutionary Psychology 4

Graduation Composition and Communication Requirement hours (GCCR) 4

College Requirements

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

II. Disciplinary Requirements

a. Natural Science (partially completed by PSY 312; and to complete this requirement, consider either PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone Requirement) 3

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

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 302, 331, 333, 395, 399, 459, 558

From Outside the Major Department

Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here 14

Other Major hours: 26

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 5

**Total Minimum Hours
Required for Degree 120**

^{*}Course used towards completion of a UK Core Requirement.

[^]This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

[†]Course used 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 page 127.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

PSY 100 Introduction to Psychology
or approved equivalent transfer course 3-4

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

PSY 215 Experimental Psychology 4
PSY 216 Applications of Statistics
in Psychology 4

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 35-36

Graduation Composition and Communication Requirement (GCCR)

Select **one** of the following:

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

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

College Requirements

I. Foreign Language (<i>placement exam recommended</i>)	0-14
II. Disciplinary Requirements	
a. Natural Science (<i>completed by PSY 312</i>)	
b. Social Science (<i>completed by Premajor Requirement</i>)	
c. Humanities	3
III. Laboratory or Field Work (<i>completed by Premajor Requirement</i>)	
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 302, 331, 333, 395, 399, 459, 558

From Outside the Major Department

Choose 14 hours outside Psychology at the 300+ level. 200+ level courses used to satisfy College requirements can also be counted here 14

Other Major hours: 26

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 5

**Total Minimum Hours
Required for Degree 120**

^{*}Course used towards completion of a UK Core Requirement.

[^]This requirement is fulfilled for students who have completed a 3-credit introductory psychology course at an accredited college or university, or who have scored a 3 on the Advance Placement Psychology Test.

[†]Course used toward completion of the College 60-hour requirement.

Minor in Psychology

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

1. Prerequisite courses

PSY 100 Introduction to Psychology or equivalent	3-4
PSY 215 Experimental Psychology	4

2. 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

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 126.

UK Core Requirements

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

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

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

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

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

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

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

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

X. Global Dynamics
Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

SOC 302 Sociological Research Methods 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science (*completed by Premajor and Major Requirements*) 6

c. Humanities 6

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

SOC 303 Quantitative Sociological Analysis
or
PSY 216 Applications of Statistics in Psychology 3-4

SOC 304 Classical Sociological Theory 3

SOC 305 Contemporary Sociological Theory 3

Major Core hours: 12-13

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 314, 315, 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
DHN 516
ECO – all 200+ courses
EDL 401
EDP 202, 518, 522, 548, 557, 580
EDS 516, 547
EDU 305
ENG 211, 212, 230, 233, 241, 242, 251, 252, 260, 271, 274, 280, 284, 285, 290, 310, 330, 419G, 440G, 450G, 460G, 480G, 490G, 492G, 510, 519, 570
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
NRE 201, 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 page 127.

UK Core Requirements

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

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

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30**Graduation Composition and Communication Requirement (GCCR)**

SOC 302 Sociological Research Methods 3

Graduation Composition and Communication Requirement hours (GCCR) 3**College Requirements**I. Foreign Language (*placement exam recommended*) 0-14

II. Disciplinary Requirements

a. Natural Science 3

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

c. Humanities 3

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

IV. Electives 6

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

*SOC 101 Introduction to Sociology

or

CLD 102 The Dynamics of Rural Social Life 3

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

SOC 303 Quantitative Sociological Analysis

or

PSY 216 Applications of Statistics in Psychology 3-4

SOC 304 Classical Sociological Theory 3

SOC 305 Contemporary Sociological Theory 3

Major Core hours: 12-13**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** 314, 315, 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**DHN** 516**ECO – all 200+ courses****EDL** 401**EDP** 202, 518, 522, 548, 557, 580**EDS** 516, 547**EDU** 305**ENG** 211, 212, 230, 233, 241, 242, 251, 252, 260, 271, 274, 280, 284, 285, 290, 310, 330, 419G, 440G, 450G, 460G, 480G, 490G, 492G, 510, 519, 570**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**NRE** 201, 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 9

Total Minimum Hours**Required for Degree** 120

*Course used towards completion of a UK Core Requirement.

Minor in Sociology

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

Prerequisites

SOC 101 Introduction to Sociology

or

CLD 102 The Dynamics of Rural Social Life 3

and

Any other 100- or 200-level sociology course 3

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 **and** SOC 303 (or PSY 216)

or

SOC 304 **and** SOC 305

or

SOC 302 **and** SOC 304**Minor in Criminology**

The Minor in Criminology requires 18 hours as follows:

Minor Prerequisite

SOC 235 Inequalities in Society 3

Minor Requirements

SOC 302 Sociological Research Methods

or one of the following courses:

PSY 215 Experimental Psychology

PS 372 Introduction to Political Analysis

ANT 490 Anthropological Research Methods

SW 450 Social Work Research

COM 365 Introduction to Communication

Research Methods 3-4

plus

SOC 339 Introduction to Crime, Law and Deviance 3

Minor Electives**Nine** hours from the following courses, three which must be at the 400-level:

*SOC 350 Topics in Sociology (Subtitle required) 3

SOC 438 Cross-National Crime 3

*SOC 439 Topics in Crime, Law and Deviance

(Subtitle required) 3

To complete the **nine** hours, students may take **one** course from the following:

PS 360 Politics of Law and Courts	3
PS 415G Comparative Judicial Politics	3
PS 437G Dynamics of International Law	3
PS 463G Judicial Politics	3
PS 465G Constitutional Law	3
GWS 430 Gender, Power and Violence	3
PSY 331 The Psychology of Adjustment	3
PSY 333 Abnormal Psychology	3
PSY 534 Child Pathopsychology	3
SW 512 Social Work in the Criminal Justice System	3
SW 580 Topical Seminar in Social Work	1-4
SW 505 Child Welfare Services	2-3
SW 571 Social Work and the Law	3
COM 314 The Dark Side of Interpersonal Communication and Relationships	3

*The subtitle for this course must directly relate to criminology.

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 non-parametric, linear models, inference, stochastic processes, applied probability, and biostatistics.

Consultation on statistical analysis and interpretation of data is provided to research workers on and off the campus. Particular attention is paid to the consulting needs of graduate students.

Minor in Statistics

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

Complete **one** of the following:

STA 291 Statistical Methods	3
STA 321 Basic Statistical Theory I	3
STA 525 Introductory Statistical Inference	3

Complete **one** of the following:

STA 281 Probability and Statistics Using Interactive Computer Techniques	3
STA 320 Introductory Probability	3
STA 524 Probability	3

plus:

STA 570 Basic Statistical Analysis	4
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Complete **one** additional STA course approved by the Director of Undergraduate Studies

Complete **one** course from the student's area approved by the Director of Undergraduate Studies

Total Hours **16-18**

WRITING, RHETORIC, AND DIGITAL STUDIES

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

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

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

Bachelor of Arts with a major in WRITING, RHETORIC AND DIGITAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Arts degree on page 126.

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 Composition and Communication Requirement (GCCR)

WRD 430 Advanced Workshop
(Subtitle required)

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

College Requirements

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

Major Requirements

Core Courses

WRD 300 Introduction to Writing, Rhetoric, and Digital Studies	3
WRD 430 Advanced Workshop (Subtitle required)	3
Core Courses hours:	6

Other Course Work Required for the Major From the Major Department

Three hours of WRD courses at the 200-level or above	3
Twelve hours of WRD courses at the 300-level (excluding WRD 300)	12
Twelve hours of WRD courses at the 400-500 level (excluding WRD 430)	12

From Outside the Major Department

Choose 6 hours from the following courses:

A-H 360 Visual Culture of Politics	3
A-S 200 Introduction to Digital Art, Space and Time	3
A-S 245 Introduction to Web Design	3
A-S 280 Introduction to Photographic Literacy	3
COM 249 Mass Media and Mass Culture	3
COM 281 Communication in Small Groups	3
COM 287 Persuasive Speaking	3
COM 311 Taking Control of Your Health: Patient-Provider Communication	3
COM 312 Learning Intercultural Communication Through Media and Film	3
COM 313 Interpersonal Communication in Close Relationships	3
COM 315 Understanding Workplace Communication in a Diverse U.S. Society	3
ENG 284 History of Film I	3
ENG 285 History of Film II	3
ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required)	3
ENG 440G Studies in British Literature (Subtitle required)	3
ENG 450G Studies in American Literature (Subtitle required)	3
ENG 460G Studies in African-American Literature (Subtitle required)	3
ENG 470G Comparative and Transnational Studies in Literature (Subtitle required)	3
ENG 480G Studies in Film (Subtitle required)	3

ENG 490G Studies in Literature and Gender (Subtitle required)	3
ENG 491G Studies in Theory (Subtitle required)	3
ENG 492G Cultural Studies (Subtitle required)	3
ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required)	3
GWS 250 Social Movements	3
GWS 301 Crossroads (Subtitle required)	3
GWS 302 Gender Across the World (Subtitle required)	3
GWS 340 History of Feminist Thought to 1975	3
LIN 211 Introduction to the Study of Language	3
LIN 212 Introduction to Linguistics II	3
LIN 317 Language and Society (Subtitle required)	3
or courses approved by the DUS	3
Total Major hours:	39

Electives

Free Electives	6
Elective hours:	6
Total Minimum Hours Required for Degree	120

Bachelor of Science with a major in WRITING, RHETORIC AND DIGITAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on page 127.

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 Composition and Communication Requirement (GCCR)

WRD 430 Advanced Workshop
(Subtitle required)

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

College Requirements

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

College Requirement hours:

Major Requirements

Core Courses

WRD 300 Introduction to Writing, Rhetoric, and Digital Studies	3
WRD 430 Advanced Workshop (Subtitle required)	3

Core Courses hours:

Other Course Work Required for the Major

From the Major Department

Three hours of WRD courses at the 200-level or above	3
Twelve hours of WRD courses at the 300-level (excluding WRD 300)	12
Twelve hours of WRD courses at the 400-500 level (excluding WRD 430)	12

From Outside the Major Department

Choose 6 hours from the following courses:

A-H 360 Visual Culture of Politics	3
A-S 200 Introduction to Digital Art, Space and Time	3
A-S 245 Introduction to Web Design	3
A-S 280 Introduction to Photographic Literacy	3
COM 249 Mass Media and Mass Culture	3
COM 281 Communication in Small Groups	3
COM 287 Persuasive Speaking	3
COM 311 Taking Control of Your Health: Patient-Provider Communication	3
COM 312 Learning Intercultural Communication Through Media and Film	3
COM 313 Interpersonal Communication in Close Relationships	3
COM 315 Understanding Workplace Communication in a Diverse U.S. Society	3
ENG 284 History of Film I	3
ENG 285 History of Film II	3
ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required)	3
ENG 440G Studies in British Literature (Subtitle required)	3
ENG 450G Studies in American Literature (Subtitle required)	3
ENG 460G Studies in African-American Literature (Subtitle required)	3
ENG 470G Comparative and Transnational Studies in Literature (Subtitle required)	3
ENG 480G Studies in Film (Subtitle required)	3
ENG 490G Studies in Literature and Gender (Subtitle required)	3
ENG 491G Studies in Theory (Subtitle required)	3
ENG 492G Cultural Studies (Subtitle required)	3
ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required)	3
GWS 250 Social Movements	3

GWS 301 Crossroads (Subtitle required)	3
GWS 302 Gender Across the World (Subtitle required)	3
GWS 340 History of Feminist Thought to 1975	3
LIN 211 Introduction to the Study of Language	3
LIN 212 Introduction to Linguistics II	3
LIN 317 Language and Society (Subtitle required)	3
or courses approved by the DUS	3
Total Major hours:	39

Electives

Free Electives	6
Elective hours:	6
Total Minimum Hours Required for Degree	120

Minor in Writing, Rhetoric and Digital Media

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

Prerequisite

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

Minor Requirements

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

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 Introduction to 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, email aaas@uky.edu;
 112 Breckinridge Hall 0056, (859) 257-2284.

<https://aaas.as.uky.edu/>

American Studies

American studies draws together diverse disciplines to examine the historical and contemporary forms and issues of our national life. The program in American Studies takes as its field of study any peoples, cultural expressions and social institutions, however or whenever identified as “American.” Program curricula link faculty, courses, and students across a range of humanities, arts, and social science departments.

The minor centers on two interdisciplinary seminars on selected topics in American studies. Students electing the minor are also encouraged to take a range of elective courses to complement their major. The minor in American Studies prepares students for further graduate or professional training, or for work in education, government, or business.

The minor requires 18 hours of study as follows:

1. IAS 301 Topics in American Culture
2. IAS 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or 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 Pearl James, avdool2@uky.edu; 1227 Patterson Office Tower 0027, (859) 257-6978.

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

Appalachian Studies

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

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

1. APP 200 Introduction to Appalachian Studies
2. Choose 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
 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; 203 Appalachian Center, 624 Maxwell Court, 0347, (859) 257-8262.

<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 Advanced Physiology
 BIO 556 Communication Biology
 COM 350 Language and Communication
 CS 375 Logic and Theory of Computing (may not be combined with PHI 520)
 CS 463G Introduction to Artificial Intelligence
 *CS 521 Computational Sciences
 CS 536 Situated Computing
 CS 575 Models of Computation (may not be combined with PHI 520)
 LIN 210 History of the English Language
 LIN 211 Introduction to the Study of Language
 LIN 212 Introduction to Linguistics II
 LIN 509 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 Evolutionary Psychology
 PSY 562 Advanced Topics in Cognitive Psychology (Subtitle required)
 PSY 564 Advanced Topics in Learning (Subtitle required)
 PSY 565 Advanced Topics in Neuroscience (Subtitle required)
 *PSY 566 Advanced Topics in Social Psychology (Subtitle required)

Of the 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 mate-*

rials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.

For more information, contact: Director Lawrence Gottlob, gottlob@uky.edu; 207N Kastle Hall 0044, (859) 257-2280.

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

Environmental Studies

Environmental considerations permeate almost every facet of modern life, and concern for “the environment” is practically universal as we approach the twenty-first century. The minor in Environmental Studies is designed to provide students with the opportunity to become conversant in a range of environmental topics, whether as private citizens in their daily lives or as professional members of corporate, government, legal, medical, and educational circles.

The minor draws on topics and perspectives from the natural and physical sciences, the social sciences, and the humanities to underscore the interdisciplinary nature of environmental issues and problems. Students taking the minor are encouraged to integrate the program with their major study focus in order to gain a competitive advantage in grappling with environmental topics.

The minor in Environmental Studies requires 21 hours of course work including the following:

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

plus **three** credit hours from each of the ENS Areas of Expertise: Economics, Environment, Society

Economics

AEC 303, AEC 324, AEC 424, AEC 445G, AEC 479, AEC 483, AEC 532, AEC 545, ANT 225, ANT 311, ANT 322, ANT 338, ANT 340, ANT 375, ANT 470G, ANT 532, ANT 543, ECO 201, ECO 202, ECO 401, ECO 410, ECO 473G, ENS 395, ENS 400, FOR 280, FOR 325, GEO 231, GEO 235, GEO 255, GEO 260, GEO 321, GEO 442G, GEO 445, GEO 550, NRE 201, NRE 381, STA 291, STA 320

Environment

ANT 240, ANT 241, ANT 242, ANT 342, ANT 351, BIO 303, BIO 325, BIO 375, BIO 452G, CE 555, CHE 565, EES 220, EES 341, EES 360, EES 385, EGR 240, ENS 395, ENS 400, FOR 219, FOR 230, FOR 240, GEO 231, GEO 235, GEO 322, GEO 331, GEO 351, GEO 431, GEO 530, GEO 531, GEO 550, WRD 425

Society

ANT 221, ANT 225, ANT 245, ANT 303, ANT 311, ANT 326, ANT 340, ANT 342, ANT 375, ANT 470G, ANT 525, ANT 545, ANT 555, ARC 314, ARC 315, ENS 395, ENS 400, GEO 231, GEO 285, GEO 321, GEO 331, GEO 431, GEO 485G, HIS 240, LA 205, PHI 361, PS 391, SAG 201, SOC 302, SOC 360, SOC 363, SOC 380, SOC 420, SOC 517, SOC 534

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

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

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

Indian Culture

This minor is designed to allow students to develop a more profound understanding of Indian culture. The curriculum is strongly interdisciplinary, encompassing courses in linguistics, anthropology, English, geography, mathematics, philosophy, political science, and sociology.

Students completing the minor will possess: (1) an ability to read Sanskrit (vital for comprehending Indian culture); (2) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (3) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

The minor in Indian Culture requires 18 hours of course work, as follows:

1. Sanskrit Language Courses (6 hours)	
LIN 520 Sanskrit I	3
LIN 521 Sanskrit II	3
2. Twelve hours of courses on India from anthropology, English, geography, linguistics, mathematics, philosophy, political science, sociology, and independent studies in India. Students choose from the following courses:	
ANT 327 Culture and Societies of India and South Asia	3
GEO 330 Geography of the Indian Subcontinent	3
GEO 365 Special Topics in Regional Geography (Subtitle required)	3
GEO 565 Topics in Geography	3
LIN 395 Independent Work	3
MA 330 History of Mathematics	3
PHI 343 Asian Philosophy	3
PS 420G Governments and Politics of South Asia	3
SOC 380 Globalization: A Cross-Cultural Perspective	3

Students in the Indian Culture minor program will be encouraged to participate in a study program in India in the course of their undergraduate education.

For more information, contact: Professor Paul Karan, (859) 257-6953; ppkaran@uky.edu

<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

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

1. Required Courses	
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3
HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3
2. Elective Courses	
HJS 101 Elementary Hebrew	4
HJS 102 Elementary Hebrew	4
HJS 201 Intermediate Hebrew	3
HJS 202 Intermediate Hebrew	3
HJS 326 The Jewish Experience in America	3
HJS 327 Women in Judaism	3
HJS 495 Independent Study in Judaic Studies	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3
HIS 330 A History of Western Religious Thought (I) ...	3
HIS 323 The Holocaust	3
HJS 425 Topics in Judaic Studies (Subtitle required)	3

And other courses with significant Judaic studies content, as approved by the Director, to a maximum of six credit hours.

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

<http://mcl.as.uky.edu/jewish-studies>

Latin American, Caribbean, and Latino Studies

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

Premier 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, consult the Director of Latin American Studies.

<http://www.as.uky.edu/latin-american-caribbean-and-latino-studies-program-minor>

UNDERGRADUATE CERTIFICATES

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

- Appalachian Studies
- Peace Studies

Undergraduate Certificate in Appalachian Studies

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

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

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

Remaining courses may be chosen from the Appalachia-related course listings publicized on the Appalachian Studies Web site each term, or a student may propose additional courses with a rationale accepted by the Appalachian Studies Program Director. **Course work for the undergraduate certificate must be taken from within**

at least two colleges at UK. This requirement is a significant offering of this certificate program, given the Appalachian Center and Appalachian Studies Program's service to the entire university community. The purpose of the requirement is to encourage students to explore curricular possibilities outside the college in which their major is administratively housed, in a program of study truly committed to interdisciplinary perspectives.

Appalachian Studies Curriculum

The Certificate in Appalachian Studies curricula are as follows:

- A minimum of 12 credits of course work taken for a letter grade.
- At least 12 credits must be 200 level or above, and a minimum of 6 credits must be at the 300-level or above.
- The student must complete a three-credit breadth component. The breadth component requires that a student take courses in at least two colleges, with a minimum of three credits to be completed in a discipline other than the student's major.
- Student must earn a C or better in each required certificate course to receive the certificate.
- Certificates will only be awarded to students who successfully complete a degree, or have completed a four-year degree.
- No more than nine credits taken for a certificate can be used to satisfy the requirements for the student's bachelor's degree, a minor, or another certificate, exclusive of free or unrestricted electives.

Examples of Programs of Study

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

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

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

APP 200 Introduction to Appalachian Studies	3
MUS 301 Appalachian Music	3
*ENG 450G Studies in American Literature (Subtitle required)	3
APP 399 Practicum	1-6

**ENG 450G subtitle must focus on some aspect of Appalachian literature.*

This student could satisfy the engagement requirement and the capstone experience together by creating and implementing a program on the multicultural history of the banjo for students at a 4-H camp in the Appalachian region.

APP 200 Introduction to Appalachian Studies	3
EES 385 Hydrology and Water Resources	3
FOR 460 Forest Hydrology and Watershed Management	4
APP 399 Practicum	1-6

This student could satisfy the engagement requirement by serving as an Appalachian Center intern for the KY Riverkeeper, helping to create a waterways trail, and satisfy the capstone experience requirement through drafting a management plan for a forest in the Appalachian region.

For more information, contact Professor Ann Kingsolver, Director, Appalachian Studies and Appalachian Center, (859) 257-4852; <https://appalachiancenter.as.uky.edu>

Undergraduate Certificate in Peace Studies

The purpose of the Peace Studies program is to develop students with increased interests and understanding of issues of peace and justice from individual to global levels; to provide them with basic skills in peaceful communication, nonviolent and transformative conflict resolution; and to help them develop peaceful and cooperative cultures. The Peace Studies program will empower students to understand and reduce conflict at multiple levels, and will provide them with conflict resolution skills that are increasingly valued by employers, graduate programs, and are much needed in our communities.

A Peace Studies certificate offers a valuable credential and an appealing focus for students in many disciplines. While UK offers a plethora of courses relevant to Peace Studies, this is the single program that brings these elements into a coherent peacemaking focus. Because Peace Studies is inherently interdisciplinary, it can create an important context that may be missed when courses are completed within the framework of a single discipline. Students in Peace Studies will be better prepared to take advantage of co-curricular opportunities at UK. A plethora of avenues also exist for fruitful synergy between the Peace Studies program and a student's major and minor fields.

Program Requirements

The Peace Studies certificate is designed to be easily combined with a broad array of majors and minors across UK's colleges and departments, and will increase a student's credit hours needed for graduation only under rare circumstances. The Peace Studies program requires 12 credit hours. Six of the 12 required hours come from Peace Studies courses. These include the 'portal' course, PCE 201, which introduces students to Peace Studies, and the capstone course, PCE 410, which concludes the program.

Peace Studies Courses

*PCE 201 Introduction to Peace Studies	3
**PCE 410 Peace Studies Capstone Seminar	3

**Meets UK Core requirement for Inquiry in the Social Sciences*

***Meets UK Core requirement for Citizenship-Global Dynamics*

Peace Studies Electives

Peace Studies electives are selected from existing courses in the University catalog and reflect both different departments and colleges. They are grouped into four Focus Areas:

Focus Area I: Peacebuilding 0-6

Addresses systems and infrastructure needed to create more peaceful societies.

Focus Area II: Peacemaking 0-6

Addresses leadership skills, skills for resolving and transforming conflict.

Focus Area III: Promoting Understanding, Cooperation, and Development 0-6

Addresses cross cultural issues, international organizations, economic and social development.

Focus Area IV: Addressing Global and Regional Pressures 0-6

Addresses problems of population, scarcity, trade, sustainability, ecosystems, climate, and immigration.