

Mark Lawrence Kornbluh, Ph.D., is Dean of the College of Arts and Sciences; Anna Bosch, Ph.D., is Associate Dean for Undergraduate Programs; Elizabeth Lorch, Ph.D., is Associate Dean for Research and Graduate Studies; Theodore Schatzki, Ph.D., is Senior Associate Dean of Faculty; Dr. Ruth Beattie is Interim Associate Dean for Advising; Adrienne McMahan, M.S., is Assistant Dean for Undergraduate Affairs; Kirsten Turner, Ph.D., is Assistant Dean for Academic Planning and Chief of Staff.

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

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

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

Undergraduate Programs in Arts and Sciences

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

- Bachelor of Arts
- Bachelor of Science
- Bachelor of Liberal Studies

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

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

Undergraduate Certificates in Arts and Sciences

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

- Appalachian Studies
- Peace Studies

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

ADMISSION

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

PROGRAMS AND SERVICES

Academic Advising

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

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

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

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

forms required for graduation, and changing majors should be addressed to the student's academic advisor.

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

Dean's List

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

Commencement and Departmental Honors

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

Departments in the College of Arts & Sciences award departmental honors to their outstanding graduates. The standards for departmental honors are not collectively established by the College, but determined by each department. For details on departmental honors, see "Guide to A&S Departmental Honors Requirements" on pages 128-129. Address questions to the department awarding honors. Departmental honors are indicated on the student's final transcript.

Scholarships

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

Guide to A&S Departmental Honors Requirements

Major	Cumulative GPA	Criteria
Anthropology	3.5	The honors program in the Department of Anthropology is a research-intensive experience in which the student works closely with a faculty mentor. Requirements are: (1) a cumulative GPA of 3.5 or higher; (2) a departmental Major GPA of 3.5 or higher; (3) a research component designed by the student and the faculty mentor.
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.
Environmental and Sustainability Studies	3.5	3.5 cumulative GPA.
French	3.5	3.5 cumulative GPA and a major GPA of 3.75 or above.
Gender and Women's Studies	3.5	3.5 cumulative GPA and major GPA of 3.5 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.

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Guide to A&S Departmental Honors Requirements, continued

Major	Cumulative GPA	Criteria
Health, Society, and Populations	3.6	3.6 or above major GPA.
Hispanic Studies	3.5	3.5 cumulative GPA or above in 300-500 level Spanish courses.
History	3.5	Minimum 3.5 cumulative GPA, 3.5 departmental GPA or above and a grade of A or B in HIS 301 and 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 3-credit-hour PHY 395 or participation in a summer research experience are ways of achieving this. Other factors such as citizenship, leadership in the Society of Physics Students, and other meritorious activity will be considered in the selection of seniors for graduation with honors.
Political Science	3.5	In order to graduate with departmental honors in political science, a student must obtain at least a 3.5 GPA in the major and at least a 3.25 overall GPA. Additionally, honor students must complete PS 490, Honors in Political Science. In this course, students will be expected to carry out a major research project. Should that option be unavailable, however, students <i>will have an opportunity</i> to arrange completion of a major research project under faculty guidance as part of PS 395, the department's Independent Study course, subject to approval from the Director of Undergraduate Studies.
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.
Writing, Rhetoric, and Digital Studies	3.5	3.5 or above cumulative GPA and major GPA of 3.5 or above and GPA of 3.5 or above in 400-level WRD courses.

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**
 - 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

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:
- 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**
 - successfully complete three college-level semester courses in one language and two college-level semester courses in a second language. (Two or more years of a foreign language in secondary school, as indicated on transcripts, are considered equal to two college-level semester courses); or demonstrate equivalent competency on a departmentally approved placement exam; **or**
- Courses taken to satisfy options i or ii above may not be taken pass/fail or audit; **or**
- 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**
 - 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**
 - International students, excluding native speakers of English, automatically fulfill this requirement; **or**
 - 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.
- Students must take **three** college hours in disciplines in the natural sciences.[†]
 - Students must take **three** college hours in disciplines in the social sciences.[†]
 - Students must take **three** college hours in disciplines in the humanities.
- Complete at least **120** credit hours in courses acceptable to the College of Arts and Sciences.²
 - Complete at least **90** credit hours in Arts and Sciences courses.³
 - Complete at least **60** credit hours in the physical, biological and/or mathematical sciences.⁵
 - Complete at least **39** credit hours within the major. At least 24 of these hours must be at or above the 300 level.
 - 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.)
 - Attain an overall grade-point average of at least 2.0.
 - Attain a grade-point average of at least 2.0 in all major requirements courses (including all premajor requirements).
 - 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.
 - 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

- See the *UK Core* section of this Bulletin for a detailed explanation of the requirements.
- 001-099 courses, or courses followed by an “R” designation **cannot** be counted as credit towards a bachelor’s degree.
 - 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.
 - 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.
 - 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.
 - All courses offered by the College of Arts and Sciences are acceptable with the exception of MA 108R.
 - Courses transferred from other institutions and judged by the College to be equivalent or comparable to Arts and Sciences courses are acceptable.
 - Usually the College will apply only six hours of technical course work taken at any institution.
 - 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.
 - Courses with an “S” grade designation or a “place holder” designation such as NSE (National Student Exchange) for 1 credit hour **cannot** be counted as credit toward a bachelor’s degree in Arts & Sciences. EAP 599, 1 credit hour, **can count** towards the A&S “hours” requirements for the degree.

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

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

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

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

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

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

Natural Sciences

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

- 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.**
- 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, 393, 456, 459, 565

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

Social Sciences

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

- 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/LIN 515
 - ANT/LIN 516
 - ANT/LIN 519
 - ANT/JPN 321
 - CGS 500
 - ENS 200, 400
 - GEO/JPN 334
 - GEO/JPN 551
- The following courses **may NOT** be used in the social sciences area: GWS 201, PSY 459.

Humanities

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

- Excluding the courses listed below**, all courses offered by Arts and Sciences departments or programs within the disciplines of the humanities, including courses with the following prefixes: **A-H, AAS, CLA, ENG, FR, GER, HIS, JPN, LAS, LIN, MCL, PHL, RS, RUS, SPA**, and **HON** courses designated as humanities. Note exceptions in #2 and #3 below.
- 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, 204, 307, 310, 507, 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
 - 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 230, 541, 585
Geography – GEO 406
Political Science – PS 372
Psychology – PSY 100, 215
Sociology – SOC 302, 303

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

MAJOR REQUIREMENTS

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

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

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

- 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
- creative writing
- criminology
- economics
- English
- gender and women's studies
- geography

- geology
- history
- international studies
- linguistics
- mapping and GIS
- mathematics
- microbiology
- modern and classical languages, literatures and cultures
- neuroscience
- philosophy
- physics
- political science
- professional and technical writing
- psychology
- sociology
- Spanish
- statistics
- writing, rhetoric and digital studies

Interdisciplinary minors are also available in:

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

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

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

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

The Preparation of Teachers

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

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

INFORMATION ON COURSES

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

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

Independent Work Courses

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

Experiential Education and Internship Courses

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

ROTC Program

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

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

AEROSPACE STUDIES (Air Force ROTC)

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

Admission to the Program

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

Requirements

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

AFROTC Curriculum

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

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

In the GMC, there are four academic classes:

Freshman Semesters

- AFS 111 offered in fall semesters
- AFS 113 offered in spring semesters

Sophomore Semesters

- AFS 211 offered in fall semesters
- AFS 213 offered in spring semesters

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

In the POC, there are four academic classes:

Junior Semesters

- AFS 311 offered in fall semesters
- AFS 313 offered in spring semesters

Senior Semesters

- AFS 411 offered in fall semesters
- AFS 413 offered in spring semesters

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

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

- Air Force Officer Qualifying Test scores
- Grade-point average
- Evaluation by the AFROTC Detachment Commander
- Only physically qualified students in good academic standing may compete for entry into the POC.
- Typically, these courses are for those cadets who have already completed the courses in the GMC, but the courses are open to any UK student.

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

GMC Years

Freshman Semesters

- AFS 112 fall semesters
- AFS 114 spring semesters

Sophomore Semesters

- AFS 212 fall semesters
- AFS 214 spring semesters

POC Years

Junior Semesters

- AFS 312 fall semesters
- AFS 314 spring semesters

Senior Semesters

- AFS 412 fall semesters
- AFS 414 spring semesters

The leadership laboratories are largely cadet-planned and conducted under the concept that they provide leadership training experiences that will improve the cadets' capabilities as Air Force officers. This also involves three hours of physical training each week. Leadership laboratory is open to students who are members of the Air Force Reserve Officer Training Corps or are eligible to

pursue a commission as determined by the Air Force ROTC Detachment Commander.

Field Training

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

Scholarships

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

ANTHROPOLOGY

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

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

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

Visit our Web site at:

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

Bachelor of Arts with a major in ANTHROPOLOGY

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

ANT 101 What Makes Us Human? Intro to Anthropology

or

ANT 102 Archaeology: Mysteries and Controversies

or

One course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

ANT 221 Native People of North America

or

One course from approved list 3

X. Global Dynamics

One of the following:

ANT 160 Cultural Diversity in the Modern World

ANT 222 Middle East Cultures

ANT 225 Culture, Environment and Global Issues

ANT 241 Origins of Old World Civilization

ANT 242 Origins of New World Civilization

ANT 311 Anthropology of Globalization

ANT 321 Introduction to Japanese Culture,

Meiji (1868) to Present

ANT 329 Cultures and Societies of Eurasia and Eastern

Europe: Socialism and Post-Socialist Change

or

One course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

ANT 582 Senior Integrative Seminar 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

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

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

c. Humanities 6

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

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 21

From Outside the Major Department

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

Subtotal: Major requirements: 39

Electives

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

Total Minimum Hours Required for Degree 120

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

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

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

ANT 101 What Makes Us Human? Intro to Anthropology

or

ANT 102 Archaeology: Mysteries and Controversies

or

One course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

ANT 221 Native People of North America

or

One course from approved list 3

X. Global Dynamics

One of the following:

ANT 160 Cultural Diversity in the Modern World

ANT 222 Middle East Cultures

ANT 225 Culture, Environment and Global Issues

ANT 241 Origins of Old World Civilization

ANT 242 Origins of New World Civilization

ANT 311 Anthropology of Globalization

ANT 321 Introduction to Japanese Culture,

Meiji (1868) to Present

ANT 329 Cultures and Societies of Eurasia and Eastern

Europe: Socialism and Post-Socialist Change

or

One course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

ANT 582 Senior Integrative Seminar 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

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

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

c. Humanities 3

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

IV. Electives 6

College Requirement hours: 9-23

Major Requirements

ANT 220 Introduction to Cultural Anthropology 3

ANT 230 Introduction to Biological Anthropology 3

ANT 240 Introduction to Archaeology 3

ANT 582 Senior Integrative Seminar 3

Anthropology Electives

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

From Outside the Major Department

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

Subtotal: Major requirements: 39

Electives

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

Total Minimum Hours Required for Degree 120

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

Minor in Anthropology

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

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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 137 Calculus I With Life Science Applications

or

MA 113 Calculus I

or

MA 123 Elementary Calculus

and its Applications 4

VIII. Statistical Inferential Reasoning

STA 296 Statistical Methods and Motivations 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

Choose one of three options:

1. BIO 425 Biology Seminar (Subtitle required)

and

BIO 350 Animal Physiology 5

2. BIO 425 Biology Seminar (Subtitle required)

and

BIO 430G Plant Physiology 5

3. WRD 204 Technical Writing 3

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

College Requirements

Humanities – two courses 6

Social Science – two courses 6

Third and fourth semesters of language 6

Free Electives 6

Lab or Field Experience – *satisfied by major*

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

UK Core and College hours: 57 (45)

Premajor Requirements

BIO 148 Introductory Biology I 3

BIO 152 Principles of Biology II 3

BIO 155 Laboratory for Introductory Biology I

or

BIO 198 Scholars Biology Research 1-2

†CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany

General Chemistry II 2

MA 137 Calculus I With Life Science Applications

or

MA 113 Calculus I

or

MA 123 Elementary Calculus

and its Applications 4

Free Elective 0-1

Premajor hours: 21

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

Major Requirements

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

First Tier Core

BIO 303 Introduction to Evolution 4

BIO 304 Principles of Genetics 4

Second Tier Core

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

Choose two of the following to complete 8 hours:

BIO 350 Animal Physiology

or

BIO 430G Plant Physiology 4

BIO 315 Introduction to Cell Biology 4

BIO 325 Ecology 4

plus:

STA 296 Statistical Methods and Motivations 3

BIO 425 Biology Seminar (Subtitle required)

or

BIO 499 Biology Research Seminar 1

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

Complete the requirements for any minor other than the

biology minor 18-21

**Biology Electives 4-9

**Biology Electives – A maximum of 3 credits of independent research course work may be used in this section.

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

Total Hours Option A 25-27

Option B – Topical Focus Option

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

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

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 – A maximum of 6 credits of independent research course work may be used in this section.

Total Hours Option B 25-27

Acceptable biology electives from outside the Department.

Hours to be chosen from 300+ level BIO courses or the list below. Note: ANA 209, BIO 208, BIO 209, BIO 310 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (for example BIO 425, BIO 426, BIO 427) may be counted within this elective requirement.

Acceptable upper-level electives for the B.A. in Biology:

BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (*BIO 208, BIO 209 and BIO 310 CANNOT be used to satisfy the upper-level requirement for the B.A., B.S. or minor in Biology.*)

A&S 300, 500 (*acceptable as upper-level credit only when offered by the Department of Biology*)

ABT 460

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

ANT 332

ASC 364, 378

BCH 401G

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

EES 401G

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

FOR 340*, 402*

FSC 530*

MI 494G, 595*, 598

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

PGY 412G, 560, 590 (*PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G*)

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

PPA 400G*

PSY 456, 459, 552, 565

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

TOX 509

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

**Lab courses that satisfy upper-level lab requirement.*

Total Minimum Hours

Required for Degree 120

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

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I

or

MA 137 Calculus I With Life Science Applications 4

VIII. Statistical Inferential Reasoning

STA 296 Statistical Methods and Motivations 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

Choose one of three options:

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

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

3. WRD 204 Technical Writing 3

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

College Requirements

Humanities – one course 3

Social Science – one course 3

Third and fourth semesters of language 6

Free Electives 6

Lab or Field Experience – *satisfied by major*

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

General Education

and College hours: 49 (39)

Premajor Requirements

BIO 148 Introductory Biology I 3

BIO 152 Principles of Biology II 3

BIO 155 Laboratory for Introductory Biology I

or

BIO 198 Scholars Biology Research 1-2

†CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany

General Chemistry II 2

MA 137/138 Calculus I/II With Life

Science Applications

or

MA 113/114 Calculus I/II 8

Premajor hours: 25-26

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

Major Requirements

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

Major Core**First Tier Core**

BIO 303 Introduction to Evolution 4

BIO 304 Principles of Genetics 4

Second Tier Core

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

BIO 315 Introduction to Cell Biology 4

BIO 325 Ecology 4

BIO 350 Animal Physiology

or

BIO 430G Plant Physiology 4

STA 296 Statistical Methods and Motivations 3

BIO 425 Biology Seminar (Subtitle required)

or

BIO 499 Biology Research Seminar 1

Core hours: 24

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

CHE 230 Organic Chemistry I 3

CHE 231 Organic Chemistry Laboratory I 1

CHE 232 Organic Chemistry II 3

PHY 211 General Physics

or

PHY 231/241 General University Physics/Laboratory

AND

PHY 213 General Physics

or

PHY 232/242 General University Physics/

Laboratory 10

Biology Electives

Choose 15 hours of acceptable biology electives 15

15 hours to be chosen from 200+ level BIO courses (excluding BIO 208) or the list below. One course must have lab, one of which may be BIO 395. A maximum of 6 hours of Independent Research course work from biological sciences departments may be counted within the 15 hour requirement.

NOTE: ANA 209, BIO 208, BIO 209, BIO 310 and PGY 206 CANNOT be used for this requirement. A maximum of 1 credit hour of seminar course work (ex. BIO 425, BIO 426, BIO 427) may be counted within the 15 hour requirement.

Other Major hours: 32

Acceptable upper-level electives for the B.S. in Biology:

BIO 3XX, BIO 4XX, BIO 5XX, BIO 6XX (*BIO 208, BIO 209 and BIO 310 CANNOT be used to satisfy the upper-level requirement for the B.A., B.S. or minor in Biology.*)

A&S 300, 500 (*acceptable as upper-level credit only when offered by the Department of Biology*)

ABT 460

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

ANT 332

ASC 364, 378

BCH 401G

CHE 226, 233, 440G, 441, 442G, 446G, 532, 533, 550, 552, 558, 565
EES 401G
ENT 310, 320, 402, 460, 561, 564, 568
FOR 340*, 402*
FSC 530*
MI 494G, 595*, 598
NRE 320, 420G*, 450G, 455G
PGY 412G, 560, 590 (*PGY 412G is acceptable as an elective for upper-level biology credit but does not substitute for BIO 350 or BIO 430G*)
PLS 320*, 330*, 332*, 366, 450G, 502, 566, 567*
PPA 400G*
PSY 456, 459, 552, 565
STA 570, 580 (*Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.*)
TOX 509

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

*Lab courses that satisfy upper-level lab requirement.

Total Minimum Hours Required for Degree **120**

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 300+ level BIO courses or other courses from the approved list. Up to 3 hours of life science independent research course work can be counted here.

Approved list:

(*Note: BIO 208, BIO 209 and BIO 310 CANNOT be used to satisfy the upper-level elective requirement for the Minor in Biology.*)

ANT 332
CHE 226, 233, 440G, 441, 442G, 446G, 532, 533, 550, 552, 558, 565
EES 401G
A&S 300, 500 (*acceptable as upper-level credit only when offered by the Department of Biology*)
PSY 456, 459, 552, 565
STA 570, 580 (*Biology usually accepts only one of these courses for each student. Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize.*)
ABT 460
ASC 364, 378
ENT 310, 320, 402, 460, 561, 564, 568
FOR 340, 402
FSC 530
NRE 320, 420G, 450G, 455G
PLS 320, 330, 332, 366, 450G, 502, 566, 567
PPA 400G
ANA 511, 512, 516 (*some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students*)

BCH 401G
MI 494G, 595, 598
PGY 412G, 560, 590 (*PGY 412G is acceptable as an elective for upper level biology credit but DOES NOT substitute for BIO 350 or BIO 430G*)
TOX 509
 Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology.

Minor in Microbiology

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

Minor Requirements

BIO 308 General Microbiology 3
 BIO 309 Microbiology Laboratory 2

BCH 401G Fundamentals of Biochemistry

or

BIO 315 Introduction to Cell Biology 3-4

CHE 550 Biological Chemistry I

or

CHE 552 Biological Chemistry II 3

One course from the following:

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

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

Minor Electives

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

BIO 397 Research in Microbiology 1-3
 BIO 427 Seminar in Microbiology (Subtitle required) 1
 BIO/ENT 461 Introduction to Population Genetics 3
CPH 310 Disease Detectives:
 Epidemiology in Action 3
FSC 530 Food Microbiology 5
PLS 566 Soil Microbiology 3
PLS 567 Methods in Soil Microbiology 1
PPA 500 Physiology of Plant Health and Disease 3
 Other microbiology-related courses at the 300-level or above, as approved by the Director of Undergraduate Studies for the Microbiology minor.

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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 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 441 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 441 Physical Chemistry Laboratory 2

CHE 372 Communication in Chemistry I 1

Foreign Language II[†] 4

A&S Humanities/Social Science 3

Major Field Option* 6

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 6 credits in courses taken at or above the 300-level in the College of Education. Six credits of CHE 395 are recommended for students having a minimum 3.0 GPA in chemistry courses. Oral and written reports are required from CHE 395 students during their final semester of registration in CHE 395. A maximum of 9 credits in undergraduate research or reading courses may be counted; such courses require approval of the Undergraduate Program Committee if the courses do not carry the CHE prefix.

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

Bachelor of Science with a major in CHEMISTRY**Traditional Option****123 hours (minimum)**

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

MA 113 Calculus I 4

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

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 412 Inorganic Chemistry Laboratory 2

CHE 422 Instrumental Analysis 4

CHE 441 Physical Chemistry Laboratory 2

CHE 442G Thermodynamics and Kinetics 3

CHE 472 Communication in Chemistry II 1

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 6 hours from the following: up to 6 hours of CHE 395, any CHE 500-level course except for those required (CHE 422/532/533/ [550 or 552]); BCH 401G.

From the Mathematics Department

MA 213 Calculus III 4

MA 322 Matrix Algebra and its Applications 3

From the Physics Department

*PHY 231/232 General University Physics 8

*PHY 241/242 General University Physics

Laboratory 2

Other Major hours: 23**Total Minimum Hours Required for Degree** 123[^]Any language may be used to satisfy the College Foreign Language requirements – German is recommended.^{*}Course used towards completion of a UK Core Requirement.**Curriculum for B.S. in Chemistry****Traditional Option****Freshman Year****First Semester** **Hours**

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

CIS/WRD 110 Composition and Communication I 3

MA 113 Calculus I 4

UK Core 3

Second Semester

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany

General Chemistry II 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 441 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 412 Inorganic Chemistry Laboratory 2

CHE 422 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 pages 130-131.

UK Core RequirementsSee 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 148 Introductory Biology I 3

BIO 151 Principles of Biology Laboratory I 2

BIO 152 Principles of Biology II 3

BIO 153 Principles of Biology Laboratory II 2

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

CHE 226 Analytical Chemistry 3

CHE 230 Organic Chemistry I 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 412 Inorganic Chemistry Laboratory 2

CHE 440G Introductory Physical Chemistry 4

CHE 441 Physical Chemistry Laboratory 2

CHE 454 Biological Chemistry Laboratory 2

CHE 472 Communication in Chemistry II 1

CHE 422 Instrumental Analysis

or

CHE 532/533 Spectrometric Identification of Organic Molecules/Qualitative Organic Analysis

Laboratory 4

CHE 550 Biological Chemistry I 3

CHE 552 Biological Chemistry II 3

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

Chemistry Major Field Options 4

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

From the Mathematics Department

MA 213 Calculus III 4

From the Physics Department

*PHY 231/232 General University Physics 8

*PHY 241/242 General University Physics

Laboratory 2

Other Major hours: 18**Electives**

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

Total Minimum Hours**Required for Degree** 128**Course used towards completion of a UK Core Requirement.***Curriculum for B.S. in Chemistry****Biochemistry Option****Freshman Year****First Semester** **Hours**

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany

General Chemistry I 1

MA 113 Calculus I 4

CIS/WRD 110 Composition and Communication I 3

UK Core 3

Second Semester

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany

General Chemistry II 2

MA 114 Calculus II 4

BIO 148 Introductory Biology I 3

BIO 151 Principles of Biology Laboratory I 2

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 422 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 454 Biological Chemistry Laboratory 2

CHE 533 Qualitative Organic Analysis

Laboratory (if CHE 532 taken) 2

CHE 552 Biological Chemistry II 3

BIO 304 Principles of Genetics

or

BIO 308 General Microbiology

or

BIO 315 Introduction to Cell Biology 3-4

Foreign Language** 4

Senior Year**First Semester** **Hours**

CHE 412 Inorganic Chemistry Laboratory 2

Major Field Option 2

CHE 372 Communication in Chemistry I 1

A&S Humanities/Social Science 3

UK Core 3

Foreign Language** 4

Second Semester

CHE 441 Physical Chemistry Laboratory 2

Major Field Option 2

CHE 472 Communication in Chemistry II 1

Foreign Language** 3

UK Core 3

Elective 3

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

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

Bachelor of Science with a major in CHEMISTRY**Materials Option****128 hours****NOTE:** At the time of publication, the Materials Option had been provisionally approved by the Senate; final approval is expected for fall 2016.

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

UK Core RequirementsSee 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**

MSE 201 Materials Science 3

CHE 226 Analytical Chemistry 3

CHE 230 Organic Chemistry I 3

CHE 231 Organic Chemistry Laboratory I 1

CHE 232 Organic Chemistry II 3

CHE 372 Communication in Chemistry I 1

CHE 410G Inorganic Chemistry 2

CHE 412 Inorganic Chemistry Laboratory 2

CHE 441 Physical Chemistry Laboratory 2

CHE 472 Communication in Chemistry II 1

CHE 516 Inorganic Chemistry Laboratory 3

CHE 532 Spectrometric Identification of Organic Molecules 2

CHE 533 Qualitative Organic Analysis Laboratory 2

CHE 536 Organic Materials: Electronic and Photonic Properties 3

CHE 547 Principles of Physical Chemistry I 3

CHE 566 Organic Materials: Characterization and Devices 3

CHE 567 Organic Materials: Fabrication Laboratory 2

CHE 576 Polymer Chemistry 3

Major Core hours: 42**Other Course Work Required for the Major From the Major Department:**

Chemistry Major Field Options 6

Choose 6 hours from the following: up to 6 hours of CHE 395, any CHE 500-level course except for those required (CHE 422/532/533/ [550 or 552]); BCH 401G.

From the Mathematics Department

MA 213 Calculus III 4

From the Physics Department

*PHY 231/232 General University Physics 8

*PHY 241/242 General University Physics Laboratory 2

Other Major hours: 20**Electives**

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

Total Minimum Hours Required for Degree 128[^]Any language may be used to satisfy the College Foreign Language requirements – German is recommended.

*Course used towards completion of a UK Core Requirement.

Curriculum for B.S. in Chemistry Materials Chemistry Option**Freshman Year****First Semester** **Hours**

CHE 105 General College Chemistry I 4

CHE 111 Laboratory to Accompany General Chemistry I 1

CIS/WRD 110 Composition and Communication I 3

MA 113 Calculus I 4

STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning 3

An Introduction to Statistical Reasoning 3

Second Semester

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany General Chemistry II 2

MA 114 Calculus II 4

CIS/WRD 111 Composition and Communication II 3

UK Core – Arts and Creativity 3

Sophomore Year**First Semester** **Hours**

CHE 230 Organic Chemistry I 3

CHE 231 Organic Chemistry Laboratory I 1

MA 213 Calculus III 4

PHY 231 General University Physics 4

PHY 241 General University Physics Laboratory 1

UK Core – Social Sciences 3

Second Semester

CHE 226 Analytical Chemistry 3

CHE 232 Organic Chemistry II 3

PHY 232 General University Physics 4

PHY 242 General University Physics Laboratory 1

Foreign Language I[^] 4

UK Core – Humanities 3

Junior Year**First Semester** **Hours**

MSE 201 Materials Science 3

CHE 547 Principles of Physical Chemistry I 3

CHE 532 Spectrometric Identification of Organic Molecules 2

CHE 576 Polymer Chemistry 3

Foreign Language II[^] 4

A&S Humanities 3

Second Semester

CHE 410G Inorganic Chemistry 2

CHE 533 Qualitative Organic Analysis Laboratory 2

CHE 441 Physical Chemistry Laboratory 2

CHE 516 Inorganic Chemistry Laboratory 3

Foreign Language III[^] 4

A&S Free Elective 3

Senior Year**First Semester** **Hours**

CHE 412 Inorganic Chemistry Laboratory 2

CHE 372 Communication in Chemistry I 1

CHE 536 Organic Materials: Electronic and Photonic Properties 3

Major Field Option 3

A&S Social Sciences 3

UK Core – Citizenship - USA 3

Second Semester

CHE 566 Organic Materials: Characterization and Devices 3

CHE 567 Organic Materials: Fabrication Laboratory 2

CHE 472 Communication in Chemistry II 1

Major Field Option 3

A&S Free Elective 3

UK Core – Global Dynamics 3

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

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

Minor in Chemistry

The minor in Chemistry requires the following:

MA 113 Calculus I **or** 4

MA 132 Calculus for the Life Sciences 3

MA 114 Calculus II 4

PHY 211/213 General Physics **or** 10PHY 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

EARTH AND ENVIRONMENTAL SCIENCES

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

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

Bachelor of Arts with a major in GEOLOGICAL SCIENCES

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Fulfilled by Premajor Requirement – CHE 105/CHE 111

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Fulfilled by Premajor Requirement – MA 123 or MA 113

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 24

Graduation 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*)

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

c. Humanities 6

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

IV. Electives 6

College Requirement hours: 18-32

Premajor Requirements

*CHE 105 General College Chemistry I 4

*CHE 111 Laboratory to Accompany

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 6

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

Elective II 6

Choose 6 additional hours of 300+ EES or related courses

NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY and EES Elective II Requirements 3-14

Other Major hours: 0-17

Total Minimum Hours

Required for Degree 120

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

Bachelor of Science with a major in GEOLOGICAL SCIENCES

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

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*)

b. Social Science 3

c. Humanities 3

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

IV. Electives 6

College Requirement hours: 12-26

Premajor Requirements

*MA 113 Calculus I 4

MA 114 Calculus II 4

*CHE 105 General College Chemistry I 4

*CHE 111 Laboratory to Accompany

General Chemistry I 1

CHE 107 General College Chemistry II 3

CHE 113 Laboratory to Accompany

General Chemistry II 2

EES 220 Principles of Physical Geology 4

EES 230 Fundamentals of Geology I 3

EES 235 Fundamentals of Geology II 3

EES 295 Geoscience Orientation 1

Premajor hours: 29

Major Requirements

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

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

From the Physics Department

*PHY 211/213 General Physics **or**

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

NOTE: 14 hours at the 200 level or higher must be completed outside Geological Sciences. Partial fulfillment of this requirement can be completed by the PHY Sequence and EES Elective II Requirements 0-4

Other Major hours: 0-18

Total Minimum Hours

Required for Degree 120

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

Minor in Geological Sciences

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

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

ECONOMICS

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

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

Bachelor of Arts with a major in ECONOMICS

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

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 (*placement exam recommended*) 0-14

II. Disciplinary Requirements

a. Natural Science

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

c. Humanities

III. Laboratory or Field Work 1

IV. Electives

College Requirement hours: 19-33

Premajor Requirements

*MA 113 Calculus I

or

*MA 123 Elementary Calculus and its Applications

and

MA 162 Finite Mathematics and its Applications 4-7

ECO 201 Principles of Economics I 3

ECO 202 Principles of Economics II 3

STA 296 Statistical Methods and Motivations 3

Premajor hours: 13-16

Major Requirements

Major Core Requirements

ECO 391 Economic and Business Statistics 3

ECO 401 Intermediate Microeconomic Theory 3

ECO 402 Intermediate Macroeconomic Theory 3

ECO 499 Seminar in Economics (Subtitle required) 3

Major Core hours: 12

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

Choose 9-15 hours of 300+ level economics

courses 9-15

From Outside the Major Department

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

Other Major hours: 30

Electives

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

Total Minimum Hours

Required for Degree 120

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

Bachelor of Science with a major in ECONOMICS

120 hours (minimum)

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

UK Core Requirements

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

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 (*placement exam**recommended*) 0-14

II. Disciplinary Requirements

a. Natural Science 3

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

c. Humanities 3

III. Laboratory or Field Work 1

IV. Electives 6

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

*MA 113 Calculus I

or

*MA 123 Elementary Calculus and its Applications

and

MA 162 Finite Mathematics and its Applications 4-7

ECO 201 Principles of Economics I 3

ECO 202 Principles of Economics II 3

STA 296 Statistical Methods and Motivations 3

Premajor hours: 13-16**Major Requirements****Major Core Requirements**

ECO 391 Economic and Business Statistics 3

ECO 401 Intermediate Microeconomic Theory 3

ECO 402 Intermediate Macroeconomic Theory 3

ECO 499 Seminar in Economics (Subtitle required) 3

Major Core hours: 12**Other Course Work Required for the Major****From the Major Department:**

Choose 9-15 hours of 300+ level Economics

courses 9-15

From Outside the Major Department

Choose 15-21 hours outside Economics at the 200+ level, with at least 6 hours in two different departments. These courses are generally chosen from the following departments:

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

Other Major hours: 30**Electives**

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

Total Minimum Hours Required for Degree 120

*Course used towards completion of a UK Core Requirement.

Minor in Economics

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

ECO 201 Principles of Economics I 3

ECO 202 Principles of Economics II 3

ECO 401 Intermediate Microeconomic Theory

or

ECO 402 Intermediate Macroeconomic Theory 3

Three additional economics courses at the 300-level

or above 9

ENGLISH

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

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

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

UK Core RequirementsSee 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 230 recommended):

*ENG 107 Writing Craft: Introduction

to Creative Writing 3

*ENG 209 The Structure and Use of English 3

*ENG 230 Introduction to Literature

(Subtitle required) 3

Premajor hours: 3

*Course used towards completion of a UK Core Requirement.

Major Requirements**Major Core Requirements****ENG Historical Survey Requirement** 6

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

ENG 241 Survey of British Literature I 3

ENG 242 Survey of British Literature II 3

ENG 251 Survey of American Literature I 3

ENG 252 Survey of American Literature II 3

ENG 265 Survey of African-American

Literature I 3

ENG 266 Survey of African-American

Literature II 3

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

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

ENG Early Period Requirement	0-3
Majors must take at least one Early Period ENG course of their choice. This requirement will NOT be waived. Courses fulfilling the Early Period Requirement include:	
ENG 241 Survey of British Literature I	3
ENG 251 Survey of American Literature I	3
ENG 341 Chaucer and His Contemporaries	3
ENG 342 Shakespeare	3
ENG 343 Renaissance Drama and Society	3
ENG 518 Advanced History of the English Language	3
ENG 519 Introduction to Old English	3
or other Early Period subtitled courses as designated at the 300-400 level	
Diversity Requirement	3
Students are required to take one of the following courses among their surveys or electives to fulfill the ENG Major Diversity Requirement:	
ENG 260 Introduction to Black Writers	3
ENG 265 Survey of African-American Literature I	3
ENG 266 Survey of African-American Literature II	3
ENG 361 Early African-American Literature	3
ENG 362 Flights to Freedom: Literature of the Great Black Migrations	3
ENG 368 Contemporary African-American Voices	3
ENG 369 African American Women's Writing	3
ENG 370 Literature Across Borders	3
ENG 460G Studies in African-American Literature (Subtitle required)	3
ENG 470G Comparative and Transnational Studies in Literature (Subtitle required)	3
ENG 490G Studies in Literature and Gender (Subtitle required)	3
any other course designated as a Diversity course at the 200-500 level	
Major Core hours:	9-15
Other Course Work Required for the Major From the Major Department:	
Majors must take an additional seven courses in ENG (Major Electives) primarily at the 300-level and above. Of these required seven courses:	
• two courses must be at the 400-level, of which one must be above ENG 407 (i.e., not ENG 401, 405, or 407);	
• two courses maximum may be counted from additional Historical Surveys (surveys cannot be double-counted for the Historical Survey Requirement and for the total ENG course requirement);	
• two courses maximum may be counted from among ENG 207, ENG 221, ENG 260, ENG 280, and ENG 290.	
All additional courses must be at the 300-500 level in ENG. Majors should fulfill the Early Period and Diversity Requirements from among these courses if they have not been already satisfied (e.g., by survey classes or ENG 330)	
Total minimum ENG course hours (excluding premajor)	30
From Outside the Major Department	
For the English B.A. degree, 9 additional hours at the 200+ level outside English are required in allied departments and programs in Arts, Humanities, Social Sciences, and Education. Applicable departments and programs include (by prefix): A&S, AAS, AIS, ANT, APP, CHI, CLA, EDC, EDU, EPE, GER, GWS, HJS, HIS, HMN, HON, IAS, ITA, JOU, JPN, LAS, LIN, MAS, MCL, PHI, PS, RS, SPA, ST, WRD	
Total Major hours:	39-42

Other Electives

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

Total Minimum Hours Required for Degree 120

Imaginative Writing Option – B.A.

12 total hours within the ENG program

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

- ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required) 3
- ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required) 3
- ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required) *taken twice under two different subtitles* 6
- submission of a portfolio for evaluation by the Imaginative Writing staff six weeks prior to graduation

Bachelor of Science with a major in ENGLISH

120 hours (minimum)

Any student earning a Bachelor of Science (BS) degree must complete a minimum of 60 hours in natural, physical, mathematical, and computer science. Courses with an ENG prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. For the ENG B.S. in particular, majors are allowed to apply an additional 9 hours of elective course work towards the science requirement. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core Hours **30**

Graduation Composition and Communication Requirement (GCCR)

ENG 330 Text and Context (Subtitle required) 3

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

College Requirements

I. Foreign Language (<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:	16-30

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 230 recommended):

*ENG 107 Writing Craft: Introduction to Creative Writing	3
*ENG 209 The Structure and Use of English	3
*ENG 230 Introduction to Literature (Subtitle required)	3

Premajor hours: **3**

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

Major Requirements

Major Core Requirements

ENG Historical Survey Requirement 6

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

ENG 241 Survey of British Literature I	3
ENG 242 Survey of British Literature II	3
ENG 251 Survey of American Literature I	3
ENG 252 Survey of American Literature II	3
ENG 265 Survey of African-American Literature I	3
ENG 266 Survey of African-American Literature II	3

ENG 330 Text and Context

(Subtitle required) 3

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

ENG Early Period Requirement 0-3

Majors must take at least one Early Period ENG course of their choice. This requirement will NOT be waived. Courses fulfilling the Early Period Requirement include:

ENG 241 Survey of British Literature I	3
ENG 251 Survey of American Literature I	3
ENG 341 Chaucer and His Contemporaries	3
ENG 342 Shakespeare	3
ENG 343 Renaissance Drama and Society	3

ENG 518 Advanced History of the English Language	3
ENG 519 Introduction to Old English	3
or other Early Period subtitled courses as designated at the 300-400 level	3

Diversity Requirement 3
Students are required to take one of the following courses among their surveys or electives to fulfill the ENG Major Diversity Requirement:

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

Major Core hours: 9-15

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

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

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

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

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

From Outside the Major Department

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

Major hours: 39-42

Other Electives

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

**Total Minimum Hours
Required for Degree** 120

Imaginative Writing Option – B.S.

12 total hours within the ENG program

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

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

Minor in Creative Writing

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

Minor Requirements

One ENG Historical Survey course:

ENG 241 Survey of British Literature I	
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	3

ENG 207 Beginning Workshop in Imaginative Writing (Subtitle required)	3
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ENG 407 Intermediate Workshop in Imaginative Writing (Subtitle required)	
or	
ENG 507 Advanced Workshop in Imaginative Writing (Subtitle required)	3

plus one additional Creative Writing course:

ENG 107 Writing Craft: Introduction to Creative Writing	
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)	3

Minor Electives

Two non-Creative Writing ENG courses 6

Minor in English

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

Any one ENG Historical Survey course:

ENG 241 Survey of British Literature I	3
ENG 242 Survey of British Literature II	3
ENG 251 Survey of American Literature I	3
ENG 252 Survey of American Literature II	3
ENG 265 Survey of African-American Literature I	3
ENG 266 Survey of African-American Literature II	3

One core course:

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

Combinations may include:

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

plus any two ENG courses at the 300+ level;

or

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

ENVIRONMENTAL AND SUSTAINABILITY STUDIES

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

Bachelor of Arts with a major in ENVIRONMENTAL AND SUSTAINABILITY STUDIES

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Recommended:

ECO 101 Contemporary Economic Issues 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **30**

Graduation Composition and Communication Requirement (GCCR)

ENS 400 Senior Seminar (Subtitle required) 3

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

College Requirements

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

II. Disciplinary Requirements

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

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

c. Humanities 6

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: **13-27**

Required Core Courses

Hours

ENS 201 Environmental and Sustainability Studies I:

Humanities and Social Sciences 3

ENS 202 Environmental and Sustainability Studies II:

Natural Science and Policy 3

ENG 425 Environmental Writing 3

ENS 300 Special Topics (Subtitle required) 3

PHI 336 Environmental Ethics 3

ENS 400 Senior Seminar (Subtitle required) 3

Required Core Courses hours: **18**

AREAS OF EXPERTISE

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

Area 1 – Economics

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

AEC 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 Resource Policy and Law 3

FOR 325 Economic Botany:

Plants and Human Affairs 3

GEO 231 Environment and Development 3

GEO 235 Environmental Management and Policy 3

GEO 255 Geography of the Global Economy 3

GEO 260 Geographies of Development

in the Global South 3

GEO 321 Land, People, and

Development in Appalachia 3

GEO 442G Political Geography 3

GEO 455 Globalization and the

Changing World Economy 3

GEO 550 Sustainable Resource Development

and Environmental Management 3

NRE 201 Natural Resources and

Environmental Science 3

NRE 381 Natural Resource and

Environmental Policy Analysis 3

STA 210 Statistics: A Force in Human Judgment 3

STA 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

CPH 201 Introduction to Public Health 3

CPH 320 Fundamentals of Environmental Health 3

CPH 365 Special Topics in Public Health

(Subtitle required) 3

EGR 240 Global Energy Issues 3

ENG 401 Special Topics in Writing

(Subtitle required) 3

ENG 425 Environmental Writing 3

ENS 395 Independent Work 3

FOR 219 Dendrology 4

FOR 240 Forestry and Natural Resource Ethics 2

FOR 435 Conservation Biology 3

FOR 599 Independent Work in Forestry 1-3

GEO 231 Environment and Development 3

GEO 235 Environmental Management and Policy 3

GEO 322 Geography of Kentucky 3

GEO 331 Global Environmental Change 3

GEO 351 Physical Landscapes 3

GEO 431 Political Ecology 3

GEO/BIO 530 Biogeography and Conservation 3

GEO 531 Landscape Ecology 3

GEO 550 Sustainable Resource Development

and Environmental Management 3

EES 220 Principles of Physical Geology 4

PHI 300 Special Topics in Philosophy

(Subtitle required) 1-3

EES 341 Landforms

or

ANT 342 North American Archaeology 3

EES 360 Mineralogy 4

EES 385 Hydrology and Water Resources 3

Area 3 – Society

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

ANT 221 Native People of North America 3

ANT 225 Culture, Environment and Global Issues 3

ANT 245 Food Culture and Society 3

ANT 303 Topics in the Anthropology of Food

and Nutrition (Subtitle required) 3

ANT 311 Anthropology of Globalization 3

ANT/AAS 326 People and Cultures

of Sub-Saharan Africa 3

ANT 340 Development and Change

in the Third World 3

ANT 342 North American Archaeology 3

ANT 375 Ecology and Social Practice 3

ANT 470G Regional American Ethnography 3

ANT 525 Applied Anthropology 3

ANT 545 Historical Archaeology 3

ANT 555 Eastern North American Archaeology 3

ARC 314 History and Theory III: 20th Century

and Contemporary Architecture 3

ARC 315 World Architecture and Urbanism 3

ENG 339 Author Studies (Subtitle required) 3

ENG 401 Special Topics in Writing

(Subtitle required) 3

ENS 395 Independent Work 3

GEO 231 Environment and Development 3

GEO 285 Introduction to Planning 3

GEO 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: Arabic, Chinese, French, German, Italian, Japanese, Russian, or Spanish.

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

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

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

III. Intellectual Inquiry in the Social Sciences

AIS 430 Islam in America	
ECO 101 Contemporary Economic Issues	
MCL 135 Vampires: Evolution of a Sexy Monster	
MCL 270 Introduction to Folklore and Mythology	
RUS 370 Russian Folklore (in English)	
or any area course	3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

AIS 430 Islam in America	
SPA 208 U.S. Latino Culture and Politics	
or any area course	3

X. Global Dynamics

CHI 331 Introduction to Chinese Culture, 1840 to Present	
GER 342 War, Peace, and Terror in Germany and Europe	
GER 361 German Cinema	
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	
JPN 351 The Japanese Experience of the Twentieth Century	
RUS 370 Russian Folklore (in English)	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

UK Core hours **30**

Graduation Composition and Communication Requirement (GCCR)

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence	3
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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	6
c. Humanities	6
III. Laboratory or Field Work	1
IV. Electives	6

College Requirement hours: **16-30**

Language Core Requirement

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence	3
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Language Core hours: **3**

Economics Core Requirement

STA 291 Statistical Methods	
or	
STA 296 Statistical Methods and Motivations	3
ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
ECO 391 Economic and Business Statistics	3
ECO 401 Intermediate Microeconomic Theory	3
ECO 402 Intermediate Macroeconomic Theory	3
ECO 300+ Any 300+ level ECO course	3
plus two of the following:	
ECO 471 International Trade	3
ECO 472 International Monetary Economics	3
ECO 473G Economic Development	3

Economics Core hours: **27**

Language Core Requirement: Arabic

AIS 202 Intermediate Modern Standard Arabic	3
AIS 311 Arabic for Business and Media I	3
AIS 312 Arabic for Business and Media II	3
plus at least 12 hours from the following:	
AIS 228 Islamic Civilization	3
AIS 301 Colloquial Arabic I	3
AIS 302 Colloquial Arabic II	3
AIS 320 Modern Arabic Literature and Film in Translation	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
AIS 345 Islamic Mysticism	3
AIS 410 Theology and Law in Islam	3
AIS 430 Islam in America	3
AIS 435 Topics in Islamic Studies (Subtitle required)	3
AIS 440 Introduction to the Qur'an	3
AIS 442 Arabic Reading I	3
AIS 443 Arabic Reading II	3
ANT 222 Middle East Cultures	3
ANT 331 Anthropology of North Africa	3
GEO 328 Geography of the Middle East and North Africa	3
HIS 549 History of the Middle East: 1920 to the Present	3
HIS 550 Studies in Mid-East History and Politics (Subtitle required)	3
PS 410 Topics in Regional Politics (Subtitle required) ...	3

Arabic Core hours: **21**

Language Core Requirement: Chinese

CHI 301 Advanced Intermediate Chinese I	3
CHI 302 Advanced Intermediate Chinese II	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3
plus 12 hours from the following:	
CHI 320 Gender Politics in Chinese Literature	3
CHI 321 Introduction to Contemporary Chinese Film ..	3
CHI 322 Self and Society in Chinese Culture	3

CHI 330 Introduction to Chinese Culture,
Pre-Modern to 1840 3

CHI 345 Introduction to Early Chinese Thought 3

CHI 395 Independent Work in Chinese 1-3

CHI 401 Advanced Chinese I 3

CHI 402 Advanced Chinese II 3

CHI 430 Popular Culture in Modern China 3

CHI 450 Daoism 3

CHI 511 Literary Chinese 3

*A-H 310 Asian Art and Culture (Subtitle required) 3

*HIS 355 Topics in Non-Western History
Since 1789 3

HIS 597 Westerners in East Asia,
1839 to the Present 3

HIS 598 China in Revolution, 1895-1976 3

*A&S 300 Special Course (Subtitle required) 3

Other courses as approved by the advisor

Chinese Core hours: 21

**Subtitle required.*

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

Language Core Requirement: German

GER 206 Spoken Communication 3

GER 307 Intermediate German Composition
and Conversation I 3

GER 310 German for International Business
and Professions 3

plus 12 hours from the following:

GER 308 Intermediate German Composition
and Conversation II 3

GER 311 Introduction to German Literature: Themes
(Subtitle required) 3

GER 312 Introduction to German Literature:
Popular Forms 3

GER 317 History of German Culture 3

GER 319 Contemporary German Literature
and Culture 3

GER 342 War, Peace, and Terror
in Germany and Europe 3

GER 352 German-Speaking Europe
(Subtitle required) 3

GER 361 German Cinema 3

GER 363 Germanic Mythology 3

GER 395 Independent Work in German 1-3

GER 507 Advanced German Composition
and Conversation 3

GER 515 Studies in Major Authors 3

GER 516 Studies in Genre 3

GER 550 Multidisciplinary German Studies Seminar
(Subtitle required) 3

German Core hours: 21

Language Core Requirement: Japanese

JPN 302 Advanced Japanese II 3

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

JPN 334 Environment, Society
and Economy of Japan 3

plus 12 hours from the following:

A-H 310 Asian Art and Culture
(Subtitle required) 3

A-H 311 The Arts As Soft Power:
The Japanese Tea Ceremony 3

COM 525 Advanced Issues in
Organizational Communication (Subtitle required) 3

GEO 333 Geography of East Asia 3

GEO 365 Special Topics in Regional Geography
(Subtitle required) 3

GEO 406 Field Studies in Geography
(Subtitle required) 3

GEO/JPN 491G Japanese Landscapes 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

Language Core Requirement: Russian

RUS 301 Conversation and Composition I 3

RUS 302 Advanced Intermediate Russian II 3

RUS 372 Russian Culture 1900-Present 3

plus 12 hours from the following:

ANT 329 Cultures and Societies of Eurasia and Eastern
Europe: Socialism and Post-Socialist Change 3

ANT 432 Anthropology of Eastern Europe
and Russia 3

GEO 329 Geography of the Former Soviet Union 3

HIS 385 History of Russia to 1825 3

HIS 386 History of Russia Since 1825 3

HIS 534 Russia in the 19th Century 3

HIS 535 Russia in the 20th Century 3

HIS 536 Intellectual and Cultural History
of Russia to 1800 3

HIS 537 Intellectual and Cultural History
of Russia from 1800 to the Present 3

PS 429G Government and Politics in Russia
and the Post-Soviet States 3

RUS 275 Russian Film 3

RUS 370 Russian Folklore (in English) 3

RUS 371 Russian Culture 900-1900 3

RUS 410G Russian for Special Purposes
(Subtitle required) 3

RUS 525 Russian Literary Studies (Subtitle required) 3

RUS 535 Russian Visual Studies (Subtitle required) 3

RUS 545 Russian Cultural Studies (Subtitle required) 3

RUS 555 Topical Seminar on Russian Studies
(Subtitle required) 3

Russian Core hours: 21

Language Core Requirement: Spanish

SPA 302 Spanish for Business Professionals 3

SPA 323 Introduction to Spanish Translation 3

SPA 332 Spanish and Latin American
Business Environments 3

SPA 420 Spanish in the World 3

plus 9 hours from the following:

SPA 312 Civilization of Spain 3

SPA 314 Civilization of Spanish America 3

SPA 423 Advanced Spanish Translation 3

SPA 480 Hispanic Kentucky 3

Any 400+ level SPA course 3

Spanish Core hours: 21

Electives

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

**Total Minimum Hours
Required for Degree** 120

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

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

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

UK Core Requirements

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

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

II. Intellectual Inquiry in the Humanities

AIS 320 Modern Arabic Literature and Film in Translation

AIS 345 Islamic Mysticism

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

CHI 331 Introduction to Chinese Culture, 1840 to Present

FR 103 French Cinema

FR 205 The French Graphic Novel

FR 225 French Film Noir

GER 103 Fairy Tales in European Context

GER 105 German Film Today

MCL 100 The World of Language

MCL 135 Vampires: Evolution of a Sexy Monster

MCL 200 Global Literacy

MCL 270 Introduction to Folklore and Mythology

RUS 275 Russian Film

RUS 371 Russian Culture 900-1900

RUS 372 Russian Culture 1900-Present

SPA 371 Latin American Cinema (Subtitle required)

SPA 372 Spanish Cinema (Subtitle required)
or any area course 3

III. Intellectual Inquiry in the Social Sciences

AIS 430 Islam in America	
ECO 101 Contemporary Economic Issues	
MCL 135 Vampires: Evolution of a Sexy Monster	
MCL 270 Introduction to Folklore and Mythology	
RUS 370 Russian Folklore (in English)	
or any area course	3

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

Choose one course from approved list	3
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V. Composition and Communication I

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

CIS/WRD 111 Composition and Communication II	3
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VII. Quantitative Foundations

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

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

AIS 430 Islam in America	
SPA 208 U.S. Latino Culture and Politics	
or any area course	3

X. Global Dynamics

CHI 331 Introduction to Chinese Culture, 1840 to Present	
GER 342 War, Peace, and Terror in Germany and Europe	
GER 361 German Cinema	
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	
JPN 351 The Japanese Experience of the Twentieth Century	
RUS 370 Russian Folklore (in English)	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

UK Core hours 30

Graduation Composition and Communication Requirement (GCCR)

MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence	3
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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	3
III. Laboratory or Field Work	1
IV. Electives	6

College Requirement hours: 16-30

Language Core Requirement

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

Economics Core Requirement

STA 291 Statistical Methods	
or	
STA 291 Statistical Methods and Motivations	3
ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
ECO 391 Economic and Business Statistics	3
ECO 401 Intermediate Microeconomic Theory	3

ECO 402 Intermediate Macroeconomic Theory	3
ECO 300+ Any 300+ level ECO course	3

plus two of the following:

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

Economics Core hours: 27

Language Core Requirement: Arabic

AIS 202 Intermediate Modern Standard Arabic	3
AIS 311 Arabic for Business and Media I	3
AIS 312 Arabic for Business and Media II	3

plus at least 12 hours from the following:

AIS 228 Islamic Civilization	3
AIS 301 Colloquial Arabic I	3
AIS 302 Colloquial Arabic II	3
AIS 320 Modern Arabic Literature and Film in Translation	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
AIS 345 Islamic Mysticism	3
AIS 410 Theology and Law in Islam	3
AIS 430 Islam in America	3
AIS 435 Topics in Islamic Studies (Subtitle required)	3
AIS 440 Introduction to the Qur'an	3
AIS 442 Arabic Reading I	3
AIS 443 Arabic Reading II	3
ANT 222 Middle East Cultures	3
ANT 331 Anthropology of North Africa and North Africa	3
GEO 328 Geography of the Middle East and North Africa	3
HIS 549 History of the Middle East: 1920 to the Present	3
HIS 550 Studies in Mid-East History and Politics (Subtitle required)	3
PS 410 Topics in Regional Politics (Subtitle required)	3

Arabic Core hours: 21

Language Core Requirement: Chinese

CHI 301 Advanced Intermediate Chinese I	3
CHI 302 Advanced Intermediate Chinese II	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3

plus 12 hours from the following:

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

Chinese Core hours: 21

*Subtitle required.

Language Core Requirement: French

FR 204 Introduction to French and Francophone Studies	3
FR 214 France Today	
or	
FR 215 Visual Cultures	3
FR 307 French for Business and Economics	3

plus 12 hours from the following:

FR 310 French Phonetics	3
FR 311 Introduction to French Linguistics	3
FR 324 Studies in French Literature (Subtitle required)	3
FR 325 French Cinema (Subtitle required)	3
FR 344 The Literary Text (Subtitle required)	3
FR 350 Francophone Cultures (Subtitle required)	3
FR 410 French in Performance	3
FR 425 Media Studies	3

French Core hours: 21

Language Core Requirement: German

GER 206 Spoken Communication	3
GER 307 Intermediate German Composition and Conversation I	3
GER 310 German for International Business and Professions	3

plus 12 hours from the following:

GER 308 Intermediate German Composition and Conversation II	3
GER 311 Introduction to German Literature: Themes (Subtitle required)	3
GER 312 Introduction to German Literature: Popular Forms	3
GER 317 History of German Culture	3
GER 319 Contemporary German Literature and Culture	3
GER 342 War, Peace, and Terror in Germany and Europe	3
GER 352 German-Speaking Europe (Subtitle required)	3
GER 361 German Cinema	3
GER 363 Germanic Mythology	3
GER 395 Independent Work in German	1-3
GER 507 Advanced German Composition and Conversation	3
GER 515 Studies in Major Authors	3
GER 516 Studies in Genre	3
GER 550 Multidisciplinary German Studies Seminar (Subtitle required)	3

German Core hours: 21

Language Core Requirement: Japanese

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

plus 12 hours from the following:

A-H 310 Asian Art and Culture (Subtitle required)	3
A-H 311 The Arts As Soft Power: The Japanese Tea Ceremony	3
COM 525 Advanced Issues in Organizational Communication (Subtitle required)	3
GEO 333 Geography of East Asia	3
GEO 365 Special Topics in Regional Geography (Subtitle required)	3

GEO 406 Field Studies in Geography
(Subtitle required) 3

GEO/JPN 491G Japanese Landscapes 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

Language Core Requirement: Russian

RUS 301 Conversation and Composition I 3

RUS 302 Advanced Intermediate Russian II 3

RUS 372 Russian Culture 1900-Present 3

plus 12 hours from the following:

ANT 329 Cultures and Societies of Eurasia and Eastern
Europe: Socialism and Post-Socialist Change 3

ANT 432 Anthropology of Eastern Europe
and Russia 3

GEO 329 Geography of the Former Soviet Union 3

HIS 385 History of Russia to 1825 3

HIS 386 History of Russia Since 1825 3

HIS 534 Russia in the 19th Century 3

HIS 535 Russia in the 20th Century 3

HIS 536 Intellectual and Cultural History
of Russia to 1800 3

HIS 537 Intellectual and Cultural History
of Russia from 1800 to the Present 3

PS 429G Government and Politics in Russia
and the Post-Soviet States 3

RUS 275 Russian Film 3

RUS 370 Russian Folklore (in English) 3

RUS 371 Russian Culture 900-1900 3

RUS 410G Russian for Special Purposes
(Subtitle required) 3

RUS 525 Russian Literary Studies (Subtitle required) ... 3

RUS 535 Russian Visual Studies (Subtitle required) 3

RUS 545 Russian Cultural Studies (Subtitle required) ... 3

RUS 555 Topical Seminar on Russian Studies
(Subtitle required) 3

Russian Core hours: 21

Language Core Requirement: Spanish

SPA 302 Spanish for Business Professionals 3

SPA 323 Introduction to Spanish Translation 3

SPA 332 Spanish and Latin American
Business Environments 3

SPA 420 Spanish in the World 3

plus 9 hours from the following:

SPA 312 Civilization of Spain 3

SPA 314 Civilization of Spanish America 3

SPA 423 Advanced Spanish Translation 3

SPA 480 Hispanic Kentucky 3

Any 400+ level SPA course 3

Spanish Core hours: 21

Electives

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

**Total Minimum Hours
Required for Degree 120**

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

**GENDER AND
WOMEN’S STUDIES**

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

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

120 hours (minimum)

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

UK Core Requirements

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

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

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

GWS 599 Senior Seminar: Subtitle required 3

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

College Requirements

- I. Foreign Language (placement exam
recommended) 0-14**
- II. Disciplinary Requirements**
 - a. Natural Science 6
 - b. Social Science 6
 - c. Humanities 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
or
- GWS 340 History of Feminist Thought to 1975 3
- GWS 350 Introduction to Feminist Theorizing 3
- GWS 400 Doing Feminist Research 3
- GWS 599 Senior Seminar 3

Core hours: 12

Elective Courses

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

- *GWS 300 Topics in Gender and Women’s Studies
(Subtitle required) 3
- GWS 301 Crossroads (Subtitle required) 3
- GWS 302 Gender Across the World
(Subtitle required) 3
- GWS 360 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: 27

Other Course Work Required for the Major

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

From Outside the Major Department

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

Other Major hours: 12

**Total Minimum Hours
Required for Degree 120**

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

Minor in Gender and Women's Studies

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

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

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

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

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

GEOGRAPHY

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

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

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

Bachelor of Arts with a major in GEOGRAPHY

120 hours (minimum)

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

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

GEO 499 Senior Research Seminar	3
Graduation Composition and Communication Requirement hours (GCCR)	3

College Requirements

I. Foreign Language (<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:	3

Other Course Work Required for the Major

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

GEOGRAPHY TRACKS

Environmental Geography Option

Suggested Courses:

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

Physical Geography Option

Suggested Courses:

GEO 135 Global Climate Change	3
GEO 130 Earth's Physical Environment	3
GEO 230 Weather and Climate	3
GEO 235 Environmental Management and Policy	3
GEO 351 Physical Landscapes	3
GEO 451G Fluvial Forms and Processes	3
GEO 530 Biogeography and Conservation	3
GEO 531 Landscape Ecology	3

Urban Geography and Planning Option

Suggested Courses:

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

GIS Focus

Suggested Courses:

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

Human Geography Option

Suggested Courses:

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

International Studies Option

Suggested Courses:

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

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

Major hours: 39

Electives

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

**Total Minimum Hours
 Required for Degree 120**

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

120 hours (minimum)

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

major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

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

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

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

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

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

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

VII. Quantitative Foundations
 Choose one course from approved list 3

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

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

X. Global Dynamics
 Choose one course from approved list 3

UK Core hours: 30

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

GEO 499 Senior Research Seminar 3

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science 3

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

c. Humanities 3

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 13-27

Major Requirements

Major Core Requirements

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

Major Core hours: 18

Methods Requirements

Choose one methods course from the following options:

GEO 305 Elements of Cartography 3
 GEO 310 Quantitative Techniques in Geography 3

GEO 311 Qualitative Methods in Geography 3
 GEO 409 Advanced GIS 3

Methods hours: 3

Other Course Work Required for the Major

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

GEOGRAPHY TRACKS

Environmental Geography Option

Suggested Courses:

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

Physical Geography Option

Suggested Courses:

GEO 135 Global Climate Change 3
 GEO 130 Earth's Physical Environment 3
 GEO 230 Weather and Climate 3
 GEO 235 Environmental Management and Policy 3
 GEO 351 Physical Landscapes 3
 GEO 451G Fluvial Forms and Processes 3
 GEO 530 Biogeography and Conservation 3
 GEO 531 Landscape Ecology 3

Urban Geography and Planning Option

Suggested Courses:

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

GIS Focus

Suggested Courses:

GEO 109 Digital Mapping 3
 GEO 164 iWorlds: Global Information Geographies 3
 GEO 409 Advanced GIS 3
 GEO 509 Workshop in Geospatial Technologies 3
 GEO 419 Introduction to Remote Sensing 3
 GEO 305 Elements of Cartography 3

GEO 506 Introduction to Computer Cartography	3
GEO 505 Practicum in Cartography	3
GEO 310 Quantitative Techniques in Geography	3
GEO 415 Map Interpretation	3
GEO 365 Special Topics in Geography (Subtitle required)	3

Human Geography Option

Suggested Courses:

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

International Studies Option

Suggested Courses:

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

Design Your Own Geography Major Option

Any Geography courses fulfilling the requirements for the major.

Major hours: 39

Electives

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

**Total Minimum Hours
Required for Degree 120**

Minor in Geography

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

The courses below are *suggested* courses; all GEO courses count toward the minor.

K-12 Teaching and Administration

Take 6 for 18 credit hours:

GEO 172 Human Geography	3
GEO 130 Earth's Physical Environment	3
GEO 200 Orientation to Geography	3
GEO 220 U.S. Cities or GEO 222 Cities of the World	3
GEO 320-365 Regional Geography Courses	3
GEO 452G World Geography for Teachers	3
GEO 430G Physical Geography for Teachers	3

Geosciences

Take 6 for 18 credit hours:

GEO 130 Earth's Physical Environment	3
GEO 230 Weather and Climate	3
GEO 331 Global Environmental Change	3
GEO 351 Physical Landscapes	3
GEO 451G Fluvial Forms and Processes	3
GEO 530 Biogeography and Conservation	3
GEO 531 Landscape Ecology	3

Social Sciences and Humanities

Take 6 for 18 credit hours:

one of the following:

GEO 160 Lands and Peoples of the Non-Western World	
GEO 161 Global Inequalities	
GEO 162 Introduction to Global Environmental Issues	
GEO 163 Global Conflicts	3

plus:

GEO 172 Human Geography	3
GEO 221 Immigrant America: A Geographic Perspective	3
GEO 240 Geography and Gender	3
GEO 320-GEO 336 Regional Geography Courses	
GEO 422 Urban Geography	3
GEO 442G Political Geography	3
GEO 470G America's Cultural Geographies	3

Environmental Studies

Take 6 for 18 credit hours:

GEO 162 Introduction to Global Environmental Issues	3
GEO 130 Earth's Physical Environment	3
GEO 230 Weather and Climate or GEO 331 Global Environmental Change	3
GEO 231 Environment and Development	3
GEO 235 Environmental Management and Policy	3
GEO 351 Physical Landscapes	3
GEO 431 Political Ecology	3
GEO 530 Biogeography and Conservation	3
GEO 531 Landscape Ecology	3
GEO 546 Tourism and Recreation Geography	3
GEO 550 Sustainable Resource Development and Environmental Management	3
GEO 585 Aging and Environment	3

Economic Geography

Take 6 for 18 credit hours:

GEO 161 Global Inequalities or GEO 164 iWorlds: Global Information Geographies	3
GEO 172 Human Geography	3
GEO 255 Geography of the Global Economy	3
GEO 260 Geographies of Development in the Global South	3
GEO 320-365 Regional Geography Courses	3
GEO 455 Globalization and the Changing World Economy	3
GEO 545 Transportation Geography	3
GEO 546 Tourism and Recreational Geography	3
GEO 551 Japanese Multinational Corporations	3

Medical and Health Geography

Take 6 for 18 credit hours:

GEO 172 Human Geography	3
GEO 261 Global Dynamics of Health and Disease	3
GEO 309 Introduction to GIS	3
GEO 320-365 Regional Geography Courses	3
GEO 422 Urban Geography	3
GEO 475G Medical Geography	3
GEO 585 Aging and Environment	3

Urban Planning and Urban Studies

Take 6 for 18 credit hours:

GEO 161 Global Inequalities or GEO 164 iWorlds: Global Information Geographies	3
GEO 172 Human Geography	3
GEO 220 U.S. Cities	3
GEO 222 Cities of the World	3
GEO 235 Environmental Management and Policy	3
GEO 285 Introduction to Planning	3
GEO 309 Introduction to GIS	3
GEO 422 Urban Geography	3
GEO 455 Globalization and the Changing World Economy	3
GEO 485G Urban Planning and Sustainability	3
GEO 550 Sustainable Resource Development and Environmental Management	3

Minor in Mapping and GIS

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

Introduction to Digital Mapping (3 hours)

GEO 109 Digital Mapping or GEO 164 iWorlds: Global Information Geographies	3
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GIS Theories and Methods (6 hours)

GEO 309 Introduction to GIS	3
GEO 409 Advanced GIS	3

GIS Design and Application (9 hours)

Complete three of the following:

GEO 305 Elements of Cartography	3
*GEO 399 Internship in Geography	3
GEO 415 Map Interpretation	3
GEO 419 Introduction to Remote Sensing	3
GEO 505 Practicum in Cartography	3
GEO 506 Introduction to Computer Cartography	3
GEO 509 Workshop in Geospatial Technologies	3
*GEO 560 Independent Work in Geography	3
*GEO 565 Topics in Geography	3

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

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

HEALTH, SOCIETY, AND POPULATIONS

The undergraduate program in Health, Society, and Populations (HSP) focuses on understanding health outcomes and their unequal distribution as a product of multiple interacting influences, including health care, behaviors, environmental conditions, genetic and biological factors, and social and cultural characteristics of groups and individuals. The B.A. in HSP provides graduates with a broad liberal-arts education in addition to a concentration on social science based approaches to population health. Students may further specialize in three areas: Global Health, Health 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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Recommended:

PSY 100 Introduction to Psychology 4

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Recommended – one of the following:

MA 111 Introduction to Contemporary Mathematics .. 3

MA 113 Calculus I 4

MA 123 Elementary Calculus and Its Applications 4

MA 137 Calculus I with Life Science Applications 4

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)

HSP 499 Health, Society and Populations Capstone (Subtitle required) 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

- I. Foreign Language
(placement test recommended) 6-14
- II. Disciplinary Requirements
 - a. Natural Science
(may be satisfied by major requirements) 0-6
 - b. Social Science
(may be satisfied by major requirements) 0-6
 - c. Humanities 6
- III. Laboratory or Field Work
(PSY 100 recommended) 1-3
- IV. Electives 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 “†”. 24 credit hours within the major must be at the 300+ level.

Statistics

Choose one of the following (3 hours):

STA 296 Statistical Methods and Motivations 3

*SOC 303 Quantitative Social Analysis 3

*GEO 309 Introduction to GIS 3

Math

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

MA 109 College Algebra 3

†MA 111 Introduction to Contemporary Mathematics 3

†MA 113 Calculus I 4

†MA 123 Elementary Calculus and Its Applications 4

†MA 137 Calculus I with Life Science Applications 4

MA 111, 113, 123, 137 recommended.

Writing

(3 hours):
WRD 205 Writing and Rhetoric (Subtitle required)
see HSP advisor for appropriate subtitles 3

Science

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

ANA 109 Anatomy and Physiology for Nursing I 4

ANA 110 Anatomy and Physiology for Nursing II 4

*ANA 209 Principles of Human Anatomy 3

*†BIO 102 Human Ecology 3

*†BIO 103 Basic Ideas of Biology 3

*BIO 148 Introductory Biology I 3

*BIO 208 Principles of Microbiology 3

*CHE 104 Introductory General Chemistry 3

*CHE 108 Introduction to Inorganic, Organic, and Biochemistry without Laboratory 3

*PGY 206 Elementary Physiology 3

Social Science Approaches to Health

(9 hours):

Required
HSP/SOC 255 Medicine, Health, and Society 3

plus two of the following:

*ANT 429 Survey of Medical Anthropology 3

*GEO 475G Medical Geography 3

*PSY 223 Developmental Psychology 3

SOC 355 Sociology of Health and Illness 3

Topics in Society and Health

(12 hours):
For a total of 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 472 Public Health Professions and Practice 3

CPH 476G A Sick World: Global Public Health
in the Early 21st Century 3

HSM 241 Health and Medical Care
Delivery Systems 3

KHP 230 Human Health and Wellness 3

KHP 270 Introduction to Health Education
and Health Promotion 3

KHP 590 Advanced Health Concepts 3

Total Minimum Hours Required for Degree 120

HISPANIC STUDIES

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

Bachelor of Arts with a major in SPANISH

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical 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)

II. Disciplinary Requirements

a. Natural Science 6

b. Social Science 6

c. Humanities (completed by Major Requirements)

III. Laboratory or Field Work 1

IV. Electives 6

College Requirement hours: 19

*Premajor Requirements

SPA 210 Spanish Grammar and Syntax
and

SPA 211 Intermediate Spanish Conversation 6
or

SPA 215 Written Spanish for Bilingual Students 3

Premajor hours: 3-6

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

Major Requirements

Major Core Requirement

SPA 310 Spanish Composition
Through Textual Analysis 3

Major Core hours: 3

Other Course Work Required for the Major

From the Major Department:

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

From Outside the Major Department

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

A-E – Art Education

A-H – Art History

A-S – Art Studio

AAD – Arts Administration

AAS – African American Studies

AIS – Arabic and Islamic Studies

ANT – Anthropology

APP – Appalachian Studies

ART – Art

BSC – Behavioral Science

CGS – Cognitive Science

CHI – Chinese Culture and Language

CIS – Communications and Information Studies

CLA – Classics

CLD – Community and Leadership Development

CLM – Clinical Leadership and Management

COM – Communication

CSD – Communication Sciences and Disorders

EAP – Education Abroad Program

EDC – Curriculum and Instruction

EDL – School Administration

EDP – Educational and Counseling Psychology

EDS – Special Education

EDU – Education

ELS – Teacher Leadership

ENG – English

EPE – Educational Policy Studies and Evaluation

FA – Fine Arts

FR – French Language and Literature

GEO – Geography

GER – German Studies

GWS – Gender and Women's Studies

HIS – History

HJS – Hebrew and Jewish Studies

HMN – Humanities

HP – Historic Preservation

IAS – Interdisciplinary American Studies

IEC – Interdisciplinary Early Childhood Education

INT – International Studies

IS – Information Studies

ISC – Integrated Strategic Communication

ISP – International Studies Program

ITA – Italian

JAT – Journalism, Advertising, Telecommunications

JOU – Journalism

JPN – Japan Studies

LAS – Latin American Studies

LIN – Linguistics

LIS – Library and Information Science

MAS – Media Arts and Studies

MCL – Modern and Classical Languages

MUC – Class Instruction in Music

MUP – Music Performance

MUS – Music

PA – Public Administration

PS – Political Science

PSY – Psychology

RS – Religious Studies

RUS – Russian

SOC – Sociology

ST – Social Theory

SW – Social Work

TA – Theatre

TSL – Teaching English as a Second Language

WRD – Writing, Rhetoric and Digital Media

Total Major hours: 42

OPTIONS

Option A – Spanish Language and Linguistics

Required Course

SPA 310 Spanish Composition
Through Textual Analysis 3

Specialty Option Courses

Choose 18 credit hours from Language and Linguistics courses:

*SPA 300 Contact Zones:

Cultivating Intercultural Competence 3

SPA 302 Spanish for Business Professionals 3

SPA 313 Advanced Spanish Language 3

SPA 323 Introduction to Spanish Translation 3

SPA 332 Spanish and Latin American
Business Environments 3

*SPA 397 Independent Work in Spanish 3

*SPA 399 Field Based/

Community Based Education 1-15

*SPA 400 Special Topics in 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

Additional Courses

Choose 6 credit hours from either list 6
 **These courses must have a focus on literature or culture.

Total SPA hours: 30

Option B – Spanish Literature and Culture

Required Course

SPA 310 Spanish Composition Through Textual Analysis 3

Specialty Option Courses

Choose 18 credit hours from Literature and Culture courses:
 **SPA 300 Contact Zones:

Cultivating Intercultural Competence 3

SPA 312 Civilization of Spain 3

SPA 314 Civilization of Spanish America 3

SPA 315 Introduction to Hispanic Literature 3

SPA 320 Literature, Life and Thought of Spain 3

SPA 322 Literature, Life and Thought of Spanish America 3

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

Additional Courses

Choose 6 credit hours from either list 6
 **These courses must have a focus on language or linguistics.

Total SPA hours: 30

Option C – Spanish (General)

Required Course

SPA 310 Spanish Composition Through Textual Analysis 3

Specialty Option Courses

Choose 9 credit hours from Language and Linguistics courses:
 **SPA 300 Contact Zones:

Cultivating Intercultural Competence 3

SPA 302 Spanish for Business Professionals 3

SPA 313 Advanced Spanish Language 3

SPA 323 Introduction to Spanish Translation 3

SPA 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

Additional Courses

Choose 12 credit hours from either list 12
 **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

History is the study of the most important and exciting events that have ever occurred, providing students with a wide ranging introduction to modern societies, cultures, and global events. The Department of History's program provides rigorous instruction in critical thinking, writing, and composition. And as one of the broadest and most diverse disciplines in academia, history provides students with connections to numerous other programs and opportunities across campus. History majors develop research and presentation skills that are highly transferable to any career, including those in public policy, law, government, education, public relations, healthcare, journalism, publishing, sales, and marketing, among others.

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

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list

II. Intellectual Inquiry in the Humanities

Choose one course from approved list

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list

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

Choose one course from approved list

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II

VII. Quantitative Foundations

Choose one course from approved list

VIII. Statistical Inferential Reasoning

Choose one course from approved list

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list

X. Global Dynamics

Choose one course from approved list

UK Core hours: 30

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

HIS 499 Senior Seminar for History Majors
(Subtitle required)

**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	6
c. Humanities (<i>completed by Major Requirements</i>)	
III. Laboratory or Field Work	1
IV. Electives	6

College Requirement hours: 19-33

Premajor Requirements

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

Major Requirements**Major Core Requirements**

HIS 301 History Workshop: Introduction to the Study of History	3
HIS 499 Senior Seminar for History Majors	3
Major Core hours:	6

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

Choose 24 hours to include at least 6 hours in pre-1789 work; at least 6 hours in post-1789 work; at least 3 hours in American history; at least 3 hours of European history; at least 3 hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level

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

Other Major hours: 39

Electives

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

Total Minimum Hours

Required for Degree 120

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

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

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

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

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

HIS 499 Senior Seminar for History Majors 3

Major Core hours: 6

Other Course Work Required for the Major

From the Major Department:

Choose 24 hours to include at least 6 hours in pre-1789 work; at least 6 hours in post-1789 work; at least 3 hours in American history; at least 3 hours of European history; at least 3 hours in the history of Africa, Asia, Latin America, or the Middle East. At least 15 of these hours must be at the 300+ level 24

From Outside the Major Department

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

Other Major hours: 39

Electives

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

Total Minimum Hours Required for Degree 120

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

Minor in History

A minor in History provides training in critical thinking and expression and a valuable perspective on the varieties of civilizations and modes of human behavior, complementing coursework in numerous other disciplines, including the humanities, the social sciences, and the natural and applied sciences.

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

1. A 6-hour sequential introduction to the history of a civilization or a nation. This may be selected from:

HIS 104/105 A History of Europe through the Mid-Seventeenth Century/A History of Europe from the Mid-Seventeenth Century to the Present

HIS 106/107 Western Culture: Science and Technology I/
Western Culture: Science and Technology II

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

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

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

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

HIS 370/371 Early Middle Ages/Later Middle Ages

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

2. 12 hours of course work at or above the 300 level, at least 6 hours of which must be at or above the 400 level. No more than 12 of the 18 hours required may be in any one of the subfields of American history, European history, or history of the non-Western world.

INTERNATIONAL STUDIES

International Studies is an interdisciplinary program that encourages students to explore global issues in disciplines such as anthropology, economics, history, political science, geography, foreign languages, English and the arts. Students will choose course work focused around a **central theme** and **geographical region**. Cultural knowledge will be developed further through expanded foreign language study. The program culminates in a capstone senior project. Study abroad is highly encouraged, although not required, for the International Studies major.

A degree in International Studies will prepare students for careers in business, government, non-government organizations, philanthropic agencies, or the arts. The major also prepares students for graduate study in the humanities, social sciences, international affairs, law, public health and communications.

Bachelor of Arts with a major in INTERNATIONAL STUDIES

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

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

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

III. Laboratory or Field Work 1

IV. Electives 6

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

1. Students may not apply to their IS major more than 15 credit hours that have already been applied to another major or minor program.

2. Students must apply to their IS major at least one course from four different departments and/or academic programs.

3. Students must complete at least 24 of the major's total credit hours at the 300 level or above.

Major Requirements**Pathway Courses**

Complete 6 credit hours from the following list. Courses must be from two departments:

ANT 160 Cultural Diversity in the Modern World 3

ANT 225 Culture, Environment and Global Issues 3

GEO 152 Regional Geography of the World 3

GEO 160 Lands and Peoples

of the Non-Western World 3

GEO 161 Global Inequalities 3

GEO 162 Introduction to

Global Environmental Issues 3

HIS 104 A History of Europe

through the Mid-Seventeenth Century 3

HIS 105 A History of Europe from the

Mid-Seventeenth Century to the Present 3

PS 210 Introduction to Comparative Politics 3

PS 230 Introduction to International Diplomacy 3

Language Competency

Complete the fourth semester in one language

AND

Two semesters in a second language 6-8

OR

Two additional semesters in the same language 6

Capstone Senior Project

Complete the following course:

INT 495 Capstone Seminar for International Studies Majors

(Subtitle required) 3

Thematic and Area Concentrations

Complete one of the following:

1. 15 credit hours in a thematic concentration and 12 credit hours with an area concentration 27

2. 15 credit hours with an area concentration and 12 credit hours in a thematic concentration 27

Thematic Concentrations

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

Culture and the Arts

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

A-H 310 Asian Art and Culture (Subtitle required) 3

A-H 323 Medieval (Subtitle required) 3

A-H 334 Reframing Renaissance Art 3

AIS 228 Islamic Civilization 3

AIS 330 Islamic Civilization II 3

AIS 331 Classical Arabic Literature (in English) 3

^AIS 435 Topics in Islamic Studies

(Subtitle required) 3

CHI 320 Gender Politics in Chinese Literature 3

CHI 321 Introduction to

Contemporary Chinese Film 3

CHI 330 Introduction to Chinese Culture,

Pre-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 515 Studies in Major Authors 3

GER 516 Studies in Genre 3

GER 540 Multidisciplinary German Studies Seminar

(Subtitle required) 3

HJS 324 Jewish Thought and Culture I:

From Ancient Israel to the Middle Ages 3

HJS 325 Jewish Thought and Culture II:

From the Expulsion from Spain to the Present 3

^INT 350 Special Topics in International Studies

(Subtitle required) 3

INT 399 Internship in International Studies 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

PHI 504 Islamic and Jewish Philosophy

and the Classical Tradition 3

RUS 275 Russian Film 3

RUS 370 Russian Folklore (in English) 3

RUS 371 Russian Culture 900-1900 3

RUS 372 Russian Culture 1900-Present 3

RUS 380 Love and Death in 19th Century

Russian Literature 3

RUS 381 Writing, Revolution & Reaction

in Modern Russian Literature 3

SPA 312 Civilization of Spain 3

^SPA 314 Civilization of Spanish America 3

SPA 315 Introduction to Hispanic Literature 3

SPA 323 Introduction to Spanish Translation 3

SPA 371 Latin American Cinema

(Subtitle required) 3

SPA 372 Spanish Cinema (Subtitle required) 3

^SPA 400 Special Topics in Hispanic Literatures

and Languages (Subtitle required) 3

SPA 423 Advanced Spanish Translation 3

SPA 424 Medieval and Early Modern

Spanish Studies (Subtitle required) 3

SPA 434 Spanish Literature of the 20th Century 3

SPA 438G Literature of Social Protest

in Spanish America 3

^SPA 444 20th and 21st Century Spanish Studies

(Subtitle required) 3

SPA 454 Colonialism and 19th Century

Spanish-American Studies (Subtitle required) 3

TA 386 World Theatre II 3

TA 485 French Theatre: Culture, Text

and Performance 3

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

The Global Development concentration focuses on social

justice, sustainable economic development, public health,

global interconnection, public service and managing global

businesses.

AEC 309 International Agricultural, World Food Needs

and U.S. Trade in Agricultural Products 3

AEC 471 International Trade 3

AEC 510 International Trade and Agricultural Marketing	3	ANT 245 Food Culture and Society	3	FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	3
AIS 338 Women and Islam	3	ANT 324 Contemporary Latin American Cultures	3	GEO 328 Geography of the Middle East and North Africa	3
AIS 340 Fundamentalism and Reform in Islam	3	ANT 433 Social Organization	3	GEO 336 Geography of Sub-Saharan Africa	3
^AIS 435 Topics in Islamic Studies (Subtitle required)	3	ANT 450 Symbols and Culture	3	HIS 208 History of the Atlantic World	3
AIS 440 Introduction to the Quran	3	CLA 509 Roman Law	3	HIS 254 History of Colonial and Post-Colonial Africa	3
ANT 251 Global Health: Culture, Pathologies and Social Inequalities	3	^FR 350 Francophone Cultures (Subtitle required)	3	HIS 549 History of the Middle East: 1952 to the Present	3
ANT 311 Anthropology of Globalization	3	GEO 255 Geography of the Global Economy	3	^HIS 550 Studies in the Mid-East History and Politics (Subtitle required)	3
ANT 324 Contemporary Latin American Cultures	3	GEO 260 Geographies of Development in the Global South	3	HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	3	GEO 442G Political Geography	3	HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3
ANT 338 Economic Anthropology	3	GER 342 War, Peace, and Terror in Germany and Europe	3	^INT 350 Special Topics in International Studies (Subtitle required)	3
ANT 340 Development and Change in the Third World	3	GWS 250 Social Movements	3	INT 399 Internship in International Studies	3
EDC 554 Culture, Education and Teaching Abroad	3	HIS 561 Culture, Ideas, and Society in Latin America	3	PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
EPE 554 Culture, Education and Teaching Abroad	3	HIS 562 Modern Mexico	3	^PS 410 Topics in Regional Politics (Subtitle required)	3
GEO 222 Cities of the World	3	HIS 563 The History of Women in Latin America	3	^PS 417G Survey of Sub-Saharan Politics	3
GEO 231 Environment and Development	3	HIS 564 History of Brazil	3	^SOC 444 Topics in Political Sociology (Subtitle required)	3
GEO 235 Environmental Management and Policy	3	^INT 350 Special Topics in International Studies (Subtitle required)	3	<i>^The subtitle for this course must directly relate to the Africa and the Middle East concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>	
GEO 255 Geography of the Global Economy	3	INT 399 Internship in International Studies	3	East, South, and Southeast Asia	
GEO 260 Geographies of Development in the Global South	3	JOU 319 World Media Systems	3	A-H 310 Asian Art and Culture (Subtitle required)	3
GEO 442G Political Geography	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3	ANT 241 Origins of Old World Civilization	3
GEO 455 Globalization and the Changing World Economy	3	JPN 451G Social Movements in Modern Japan	3	ANT 327 Culture and Societies of India and South Asia	3
GEO 544 Human Population Dynamics	3	JPN 461G Japanese Colonialism and its Legacies	3	CHI 320 Gender Politics in Chinese Literature	3
GEO 551 Japanese Multinational Corporations	3	LAS 201 Introduction to Latin America	3	CHI 321 Introduction to Contemporary Chinese Film	3
HIS 521 European Social History, 1400-1800	3	^PS 391 Special Topics in Political Science (Subtitle required)	3	CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3
HIS 556 The British Empire, 1322-1879	3	^PS 410 Topics in Regional Politics (Subtitle required)	3	CHI 331 Introduction to Chinese Culture, 1840 to Present	3
HIS 557 British Empire and Commonwealth, 1880-2000	3	PS 419G The Governments and Politics of Eastern Asia	3	CHI 430 Popular Culture in Modern China	3
^INT 350 Special Topics in International Studies (Subtitle required)	3	PS 420G Governments and Politics of South Asia	3	CHI 511 Literary Chinese	3
INT 399 Internship in International Studies	3	PS 427G East European Politics	3	ENG 440G Studies in British Literature (Subtitle required)	3
JOU 319 World Media Systems	3	PS 428G Latin American Government and Politics	3	GEO 330 Geography of the Indian Subcontinent	3
JPN 461G Japanese Colonialism and its Legacies	3	PS 429G Government and Politics in Russia and the Post-Soviet States	3	GEO 332 Geography of Southeast Asia	3
LAS 201 Introduction to Latin America	3	PS 433G Politics of International Economic Relations	3	GEO 333 Geography of East Asia	3
MAT 470 International Merchandizing	3	PS 436G International Organization	3	GEO 334 Environment, Society and Economy of Japan	3
*MGT 309 Introduction to International Business	3	PS 437G Dynamics of International Law	3	GEO 551 Japanese Multinational Corporations	3
*MKT 435 International Marketing	3	^PS 439G Special Topics in International Relations (Subtitle required)	3	HIS 295 East Asia to 1800	3
PS 433G Politics of International Economic Relations	3	PS 538 Conflict and Cooperation in Latin American Relations	3	HIS 296 East Asia Since 1600	3
PS 436G International Organization	3	^SOC 444 Topics in Political Sociology (Subtitle required)	3	HIS 593 East Asian History Since World War II	3
PS 437G Dynamics of International Law	3	SW 320 Global Poverty: Responses Across Cultures	3	HIS 597 Westerners in East Asia, 1839 to the Present	3
PS 538 Conflict and Cooperation in Latin American Relations	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>		HIS 598 China in Revolution, 1895-1976	3
SOC 380 Globalization: A Cross-Cultural Perspective	3	Area Concentrations		^INT 350 Special Topics in International Studies (Subtitle required)	3
SW 320 Global Poverty: Responses Across Cultures	3	(12-15 credit hours in one theme and from at least two departments)		INT 399 Internship in International Studies	3
<i>^The subtitle for this course must directly relate to the Global Development Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>		Africa and the Middle East		ITA 443G Survey of Italian Literature I	3
<i>*Course is from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.</i>		AIS 228 Islamic Civilization	3	JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	3
Comparative Politics and Societies		AIS 330 Islamic Civilization II	3	JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3
The Comparative Politics and Societies concentration fo- cuses 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.		AIS 331 Classical Arabic Literature (in English)	3	JPN 351 The Japanese Experience of the Twentieth Century	3
AEC 471 International Trade	3	AIS 338 Women and Islam	3	JPN 400G Topics in Japan Studies (Subtitle required)	3
AIS 338 Women and Islam	3	AIS 340 Fundamentalism and Reform in Islam	3	JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3
AIS 340 Fundamentalism and Reform in Islam	3	^AIS 435 Topics in Islamic Studies (Subtitle required)	3		
^AIS 435 Topics in Islamic Studies (Subtitle required)	3	AIS 440 Introduction to the Quran	3		
AIS 440 Introduction to the Quran	3	ANT 222 Middle East Cultures	3		
ANT 241 Origins of Old World Civilization	3	ANT 241 Origins of Old World Civilization	3		
ANT 242 Origins of New World Civilization	3	ANT 326 People and Cultures of Sub-Saharan Africa	3		
		ENG 440G Studies in British Literature (Subtitle required)	3		

JPN 421G Contemporary Literary and Visual Arts of Japan	3	GER 361 German Cinema	3	Latin America	
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3	GER 515 Studies in Major Authors	3	ANT 242 Origins of New World Civilization	3
JPN 451G Social Movements in Modern Japan	3	GER 516 Studies in Genre	3	ANT 320 Andean Civilization	3
JPN 461G Japanese Colonialism and Its Legacies	3	GER 540 Multidisciplinary German Studies Seminar (Subtitle required)	3	ANT 322 Ancient Mexican Civilizations	3
PHI 343 Asian Philosophy	3	HIS 202 History of British People to the Restoration	3	ANT 324 Contemporary Latin American Cultures	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3	HIS 203 History of British People Since the Restoration	3	ANT 328 The Ancient Maya	3
^PS 410 Topics in Regional Politics (Subtitle required)	3	HIS 229 The Ancient Near East and Greece to the Death of Alexander the Great	3	ENG 440G Studies in British Literature (Subtitle required)	3
^SOC 444 Topics in Political Sociology (Subtitle required)	3	HIS 230 The Hellenistic World and Rome to the Death of Constantine	3	FR 204 Introduction to French and Francophone Studies	3
<i>^The subtitle for this course must directly relate to the East, South, and Southeast concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>					
Europe					
A-H 323 Medieval (Subtitle required)	3	HIS 323 The Holocaust	3	FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	3
A-H 334 Reframing Renaissance Art	3	HIS 370 Early Middle Ages	3	HIS 206 History of Colonial Latin America, 1492-1810	3
ANT 241 Origins of Old World Civilization	3	HIS 371 Later Middle Ages	3	HIS 207 History of Modern Latin America, 1810 to Present	3
ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	3	HIS 500 Preclassical and Classical Greece	3	HIS 208 History of the Atlantic World	3
CLA 210 The Art of Greece and Rome	3	HIS 501 Fourth-Century Greece and the Hellenistic World	3	HIS 561 Culture, Ideas, and Society in Latin America	3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great	3	HIS 502 A History of the Roman Republic	3	HIS 562 Modern Mexico	3
CLA 230 The Hellenistic World and Rome to the Death of Constantine	3	HIS 503 A History of the Roman Empire	3	HIS 563 The History of Women in Latin America	3
CLA 261 Literary Masterpieces of Greece and Rome	3	HIS 504 Greek and Roman Medicine	3	HIS 564 History of Brazil	3
CLA 301 Latin Literature I (Subtitle required)	3	HIS 509 Roman Law	3	^INT 350 Special Topics in International Studies (Subtitle required)	3
CLA 302 Latin Literature II (Subtitle required)	3	HIS 514 Spain: From Reconquest to Empire, 1200-1700	3	INT 399 Internship in International Studies	3
CLA 331 Gender and Sexuality in Antiquity	3	HIS 519 The Era of the Renaissance	3	LAS 201 Introduction to Latin America	3
CLA 382 Greek and Roman Religion	3	HIS 521 European Social History, 1400-1800	3	^PS 410 Topics in Regional Politics (Subtitle required)	3
CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3	HIS 522 Europe and the World in the Age of Revolution (1760-1815)	3	PS 428G Latin American Government and Politics	3
CLA 391 Christians in the Roman Empire	3	HIS 525 Modern Europe: 1890-1939	3	PS 538 Conflict and Cooperation in Latin American Relations	3
CLA 480G Studies in Greek and Latin Literature (Subtitle required)	3	HIS 526 Europe Since 1939	3	^SOC 444 Topics in Political Sociology (Subtitle required)	3
CLA 509 Roman Law	3	HIS 529 Women in Modern Europe	3	^SPA 314 Civilization of Spanish America	3
CLA 524 The Latin Literature of the Republic (Subtitle required)	3	HIS 540 History of Modern France to 1815	3	SPA 315 Introduction to Hispanic Literature	3
CLA 525 The Latin Literature of the Empire (Subtitle required)	3	HIS 541 History of Modern France Since 1815	3	SPA 322 Literature, Life and Thought of Spanish America	3
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	3	HIS 542 German History, 1789-1918	3	SPA 361 Latin American Literature in Translation (Subtitle required)	3
CLA 551 Greek Poetry and Drama (Subtitle required)	3	HIS 543 German History Since 1918	3	SPA 371 Latin American Cinema (Subtitle required)	3
CLA 555 Greek Prose (Subtitle required)	3	HIS 546 The Byzantine Empire	3	^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
ENG 241 Survey of British Literature I	3	HIS 553 Eighteenth Century Britain	3	SPA 480 Hispanic Kentucky	3
ENG 242 Survey of British Literature II	3	HIS 554 British History 1815-1901	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>	
ENG 274 Classics of Western Literature	3	HIS 555 British History Since 1901	3	Russia and Eurasia	
ENG 342 Shakespeare	3	HIS 556 The British Empire, 1322-1879	3	ANT 329 Cultures and Societies of Eurasia and Eastern Europe: Socialism and Post-Socialist Change	3
ENG 440G Studies in British Literature (Subtitle required)	3	HIS 557 British Empire and Commonwealth, 1880-2000	3	ANT 432 Anthropology of Eastern Europe and Russia	3
FR 214 France Today	3	^INT 350 Special Topics in International Studies (Subtitle required)	3	ENG 440G Studies in British Literature (Subtitle required)	3
FR 215 Visual Cultures	3	INT 399 Internship in International Studies	3	GEO 329 Geography of the Former Soviet Union	3
FR 225 French Film Noir	3	ITA 263 Studies in Italian Culture (Subtitle required)	3	HIS 385 History of Russia to 1825	3
^FR 324 Studies in French Literature (Subtitle required)	3	^PS 410 Topics in Regional Politics (Subtitle required)	3	HIS 386 History of Russia Since 1825	3
FR 335 War, Literature, Film	3	PS 419G The Governments and Politics of Eastern Asia	3	HIS 534 Russia in the 19th Century	3
^FR 350 Francophone Cultures (Subtitle required)	3	PS 420G Governments and Politics of South Asia	3	HIS 535 Russia in the 20th Century	3
FR 504 Topics in French Literature and Culture (Subtitle required)	3	^SOC 444 Topics in Political Sociology (Subtitle required)	3	HIS 536 Intellectual and Cultural History of Russia to 1800	3
GEO 326 Geography of Europe	3	SPA 262 Hispanic Literatures in Translation (Subtitle required)	3	HIS 537 Intellectual and Cultural History of Russia From 1800 to the Present	3
GER 263 The German Cultural Tradition I	3	SPA 312 Civilization of Spain	3	^INT 350 Special Topics in International Studies (Subtitle required)	3
GER 264 The German Cultural Tradition II	3	SPA 320 Literature, Life and Thought of Spain	3	INT 399 Internship in International Studies	3
GER 311 Introduction to German Literature: Themes (Subtitle required)	3	SPA 372 Spanish Cinema (Subtitle required)	3	^PS 410 Topics in Regional Politics (Subtitle required)	3
GER 312 Introduction to German Literature: Popular Forms	3	SPA 424 Medieval and Early Modern Spanish Studies (Subtitle required)	3	PS 427G East European Politics	3
GER 317 History of German Culture	3	SPA 434 Spanish Literature of the 20th Century	3	PS 429G Government and Politics in Russia and the Post-Soviet States	3
GER 319 Contemporary German Literature and Culture	3	SPA 438G Literature of Social Protest in Spanish America	3	RUS 261 Introduction to Russian Studies	3
GER 342 War, Peace, and Terror in Germany and Europe	3	^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3	RUS 275 Russian Film	3
		SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	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>			

RUS 370 Russian Folklore (in English) 3
 RUS 371 Russian Culture 900-1900 3
 RUS 372 Russian Culture 1900-Present 3
 RUS 380 Love and Death in 19th Century
 Russian Literature 3
 RUS 381 Writing, Revolution & Reaction
 in Modern Russian Literature 3

**The subtitle for this course must directly relate to the Russia and Eurasia concentration. You must check with the IS director or advisor for verification prior to taking the course.*

Bachelor of Science with a major in INTERNATIONAL STUDIES

120 hours (minimum)

Any student earning a Bachelor of Arts (BA) degree must complete a minimum of 39 hours at the 300+ level. These hours are generally completed by the Major Requirements. However, keep this hour requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements
 a. Natural Science 6
 b. Social Science (*can be completed with Major Requirements*) 6
 c. Humanities (*can be completed with Major Requirements*) 6
 III. Laboratory or Field Work 1
 IV. Electives 6
Subtotal: College hours: 25-39

Distribution Requirements

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

Major Requirements

Pathway Courses

Complete 6 credit hours from the following list. Courses must be from two departments:

ANT 130 Introduction to Comparative Religion 3
 ANT 160 Cultural Diversity in the Modern World 3
 GEO 152 Regional Geography of the World 3
 GEO 160 Lands and Peoples
 of the Non-Western World 3
 HIS 104 A History of Europe
 through the Mid-Seventeenth Century 3
 HIS 105 A History of Europe from the
 Mid-Seventeenth Century to the Present 3
 PS 210 Introduction to Comparative Politics 3
 PS 230 Introduction to International Diplomacy 3
 TA 385 World Theatre I 3

Language Competency

Complete the fourth semester in one language

AND

Two semesters in a second language 6-8

OR

Two additional semesters in the same language 6

Capstone Senior Project

Complete the following course:

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

Thematic and Area Concentrations

Complete one of the following:

1. 15 credit hours in a thematic concentration and 12 credit hours with an area concentration 27
2. 15 credit hours with an area concentration and 12 credit hours in a thematic concentration 27

Thematic Concentrations

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

International Relations

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

ANT 311 Anthropology of Globalization 3
 ANT 532 Anthropology of the State 3
 GEO 442G Political Geography 3
 HIS 355 Topics in Non-Western History Since 1789 3

HIS 574 The Diplomacy and Foreign Policy
 of the United States to 1919 3
 HIS 575 The Diplomacy and Foreign Policy
 of the United States Since 1919 3
 PS 391 Special Topics in Political Science
 (Subtitle required)^ 3
 PS 410 Topics in Regional Politics
 (Subtitle required)^ 3
 PS 427G East European Politics 3
 PS 430G The Conduct of American Foreign Relations .. 3
 PS 431G National Security Policy 3
 PS 433G Politics of International
 Economic Relations 3
 PS 436G International Organization 3
 PS 437G Dynamics of International Law 3
 PS 439G Special Topics in International Relations
 (Subtitle required) 3
 SOC 444 Topics in Political Sociology
 (Subtitle required)^ 3

Culture and the Arts

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

A-H 308 Studies in African Arts (Subtitle required) 3
 A-H 310 Asian Art and Culture (Subtitle required) 3
 A-H 323 Medieval (Subtitle required) 3
 A-H 334 Reframing Renaissance Art
 (Subtitle required) 3
 A-H 350 Contemporary Art and Visual Studies
 (Subtitle required) 3
 ^A-H 527 Interdisciplinary Approaches
 (Subtitle required) 3
 AIS 228 Islamic Civilization 3
 AIS 330 Islamic Civilization II 3
 AIS 331 Classical Arabic Literature (in English) 3
 ^AIS 435 Topics in Islamic Studies
 (Subtitle required) 3
 AIS 440 Introduction to the Quran 3
 ANT 241 Origins of Old World Civilization 3
 ANT 242 Origins of New World Civilization 3
 ANT 302 Ethnographic Methods:
 Doing Anthropology 3
 ANT 311 Anthropology of Globalization 3
 ANT 320 Andean Civilization 3
 ANT 322 Ancient Mexican Civilizations 3
 ANT 324 Contemporary Latin American Cultures 3
 ANT 326 People and Cultures
 of Sub-Saharan Africa 3
 ANT 327 Culture and Societies of India
 and South Asia 3
 ANT 328 The Ancient Maya 3
 ^ANT 350 Topics in Anthropology
 (Subtitle required) 3
 ^ANT 351 Special Topics in Archaeology
 (Subtitle required) 3
 ^ANT 352 Special Topics in Cultural Anthropology
 (Subtitle required) 3
 ^ANT 353 Special Topics in Physical or
 Biological Anthropology (Subtitle required) 3
 ANT 432 Anthropology of Eastern Europe
 and Russia 3
 ANT 433 Social Organization 3
 ANT 440 Anthropological Perspectives
 on Child Growth 3
 ANT 450 Symbols and Culture 3
 ANT 515 Phonological Analysis 3
 ANT 516 Grammatical Typology 3
 ANT 532 Anthropology of the State 3
 ANT 541 Archaeological Method and Theory 3
 ANT 543 Cultural Resource Management 3

ANT 545 Historical Archaeology	3	^GER 520 Special Topics Seminar	3	^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
ANT 582 Senior Integrative Seminar	3	GER 540 Multidisciplinary German Studies Seminar (Subtitle required)	3	SPA 454 Colonialism and 19th Century Spanish-American Studies (Subtitle required)	3
ANT 585 Field Laboratory in Archaeological Research	3	HIS 208 History of the Atlantic World	3	^SPA 464 Contemporary Spanish-American Studies (Subtitle required)	3
CHI 320 Gender Politics in Chinese Literature	3	HIS 352 Topics in European History Before 1789	3	^SPA 474 Topics in Hispanic Studies (Subtitle required)	3
CHI 321 Introduction to Contemporary Chinese Film	3	HIS 353 Topics in European History Since 1789	3	SPA 480 Hispanic Kentucky	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3	HIS 512 Carolingian Empire	3	SW 320 Global Poverty: Responses Across Cultures	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3	HIS 536 Intellectual and Cultural History of Russia to 1800	3	TA 386 World Theatre II	3
CHI 430 Popular Culture in Modern China	3	HIS 536 Intellectual and Cultural History of Russia from 1800 to the Present	3	TA 485 French Theatre: Culture, Text and Performance	3
CLA 210 The Art of Greece and Rome	3	HIS 546 The Byzantine Empire	3	TA 584 Asian Theatre	3
CLA 261 Literary Masterpieces of Greece and Rome	3	HIS 552 Tudor-Stuart Britain, 1485-1714	3		
CLA 301 Latin Literature I (Subtitle required)	3	HIS 564 History of Brazil	3		
CLA 302 Latin Literature II (Subtitle required)	3	HIS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3		
CLA 331 Gender and Sexuality in Antiquity	3	HIS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3		
CLA 382 Greek and Roman Religion	3	HIS 327 Women in Judaism	3		
CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3	^HJS 425 Topics in Judaic Studies (Subtitle required)	3		
CLA 391 Christians in the Roman Empire	3	ITA 263 Studies in Italian Culture (Subtitle required)	3		
CLA 450G Special Topics in Classical Studies (Subtitle required)	3	ITA 443G Survey of Italian Literature I	3		
CLA 462G Special Topics in Classical Literature (Subtitle required)	3	JOU 319 World Media Systems	3		
CLA 480G Studies in Greek and Latin Literature (Subtitle required)	3	JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3		
CLA 509 Roman Law	3	JPN 420G Pre-Modern Literary and Visual Arts of Japan	3		
CLA 524 The Latin Literature of the Republic (Subtitle required)	3	JPN 421G Contemporary Literary and Visual Arts of Japan	3		
CLA 525 The Latin Literature of the Empire (Subtitle required)	3	JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3		
CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	3	MAT 247 Dress and Culture	3		
CLA 551 Greek Poetry and Drama (Subtitle required)	3	MCL 270 Introduction to Folklore and Mythology	3		
CLA 555 Greek Prose (Subtitle required)	3	MCL/SPA 300 Contact Zones: Cultivating Intercultural Competence	3		
ENG 241 Survey of British Literature I	3	^MUS 330 Music in the World (Subtitle required)	3		
ENG 242 Survey of British Literature II	3	PHI 343 Asian Philosophy	3		
ENG 274 Classics of Western Literature	3	PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3		
^ENG 330 Text and Context (Subtitle required)	3	PHI 516 Contemporary Philosophy: Phenomenological Directions	3		
ENG 342 Shakespeare	3	RUS 275 Russian Film	3		
ENG 440G Studies in British Literature (Subtitle required)	3	RUS 370 Russian Folklore (in English)	3		
EPE 554 Culture, Education and Teaching Abroad	3	RUS 371 Russian Culture 900-1900	3		
^FA 501 Arts-Study Tour	3	RUS 372 Russian Culture 1900-Present	3		
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	3	RUS 380 Love and Death in 19th Century Russian Literature	3		
^FR 350 Francophone Cultures (Subtitle required)	3	RUS 381 Writing, Revolution & Reaction in Modern Russian Literature	3		
FR 465G Topics in French Literature and Culture in Translation (Subtitle required)	3	SAG 201 Cultural Perspectives on Sustainability	3		
FR 470G Topical Seminar I (Subtitle required)	3	^SOC 435 Topics in Social Inequalities (Subtitle required)	3		
FR 504 Topics in French Literature and Culture (Subtitle required)	3	SPA 262 Hispanic Literatures in Translation (Subtitle required)	3		
GEO 442G Political Geography	3	SPA 315 Introduction to Hispanic Literature	3		
GEO 491G Japanese Landscapes	3	SPA 320 Literature, Life and Thought of Spain	3		
GER 263 The German Cultural Tradition I	3	SPA 322 Literature, Life and Thought of Spanish America	3		
GER 264 The German Cultural Tradition II	3	SPA 361 Latin American Literature in Translation (Subtitle required)	3		
GER 311 Introduction to German Literature: Themes (Subtitle required)	3	SPA 371 Latin American Cinema (Subtitle required)	3		
GER 312 Introduction to German Literature: Popular Forms	3	SPA 372 Spanish Cinema (Subtitle required)	3		
GER 317 History of German Culture	3	^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3		
GER 319 Contemporary German Literature and Culture	3	SPA 420 Spanish in the World	3		
GER 352 German-Speaking Europe (Subtitle required)	3	SPA 424 Medieval and Early Modern Spanish Studies	3		
GER 361 German Cinema	3	SPA 434 Spanish Literature of the 20th Century	3		
GER 363 German Mythology	3	SPA 438G Literature of Social Protest in Spanish America	3		
GER 515 Studies in Major Authors	3				
GER 516 Studies in Genre	3				

Global Environment

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

ANT 302 Ethnographic Methods: Doing Anthropology	3
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
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 302 Ethnographic Methods:	
Doing Anthropology	3
ANT 311 Anthropology of Globalization	3
ANT 338 Economic Anthropology	3
ANT 340 Development and Change	
in the Third World	3
ANT 350 Topics in Anthropology	
(Subtitle required)^	3
^ANT 351 Special Topics in Archaeology	
(Subtitle required)	3
^ANT 352 Special Topics in Cultural Anthropology	
(Subtitle required)	3
^ANT 353 Special Topics in Physical or	
Biological Anthropology (Subtitle required)	3
ANT 433 Social Organization	3
ANT 525 Applied Anthropology	3
ANT 532 Anthropology of the State	3
COM 462 Intercultural Communication	3
*ECO 473G Economic Development	3
EPE 555 Comparative Education	3
GEO 222 Cities of the World	3
GEO 231 Environment and Development	3
GEO 255 Geography of the Global Economy	3
GEO 260 Geographies of Development	
in the Global South	3
GEO 431 Political Ecology	3
JPN 461G Japanese Colonialism and its Legacies	3
MCL/SPA 300 Contact Zones:	
Cultivating Intercultural Competence	3
^PS 391 Special Topics in Political Science	
(Subtitle required)	3
PS 433G Politics of International	
Economic Relations	3
PS 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
SPA 302 Spanish for Business Professionals	3
<i>*Courses are from the Gatton College of Business and Economics. They will be open to Gatton students who also seek to major in International Studies, but may not be available to International Studies majors enrolled entirely in other colleges.</i>	

Human Rights and Social Movements

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

AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
ANT 302 Ethnographic Methods:	
Doing Anthropology	3
ANT 311 Global Dreams and Local Realities	
in a "Flat" World	3
ANT 340 Development and Change	
in the Third World	3
^ANT 350 Topics in Anthropology	
(Subtitle required)	3
^ANT 351 Special Topics in Archaeology	
(Subtitle required)	3
^ANT 352 Special Topics in Cultural Anthropology	
(Subtitle required)	3
^ANT 353 Special Topics in Physical or	
Biological Anthropology (Subtitle required)	3
ANT 401 Gender Roles in	
Cross-Cultural Perspective	3
ANT 429 Survey of Medical Anthropology	3
ANT 433 Social Organization	3
ANT 435 Cultures and Politics of Reproduction	3
ANT 440 Anthropological Perspectives	
on Child Growth	3
CHI 320 Gender Politics in Chinese Literature	3
^FR 263 African and Caribbean Literature and	
Culture of French Expression in Translation	
(Subtitle required)	3
^FR 350 Francophone Cultures (Subtitle required)	3
^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 228 Islamic Civilization	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature	
(Subtitle required)	3
^AIS 435 Topics in Islamic Studies	
(Subtitle required)	3
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 Colonial	
and Post-Colonial Africa	3
^HIS 355 Topics in Non-Western History	
Since 1789	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
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 228 Islamic Civilization	3
AIS 330 Islamic Civilization II	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
^AIS 435 Topics in Islamic Studies	
(Subtitle required)	3
AIS 440 Introduction to the Quran	3
ANT 327 Culture and Societies of India	
and South Asia	3
^ANT 350 Topics in Anthropology	
(Subtitle required)	3
^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 261 Literary Masterpieces of Greece and Rome	3	HIS 502 A History of the Roman Republic	3
CHI 320 Gender Politics in Chinese Literature	3	CLA 301 Latin Literature I (Subtitle required)	3	HIS 503 A History of the Roman Empire	3
CHI 321 Introduction to Contemporary Chinese Film	3	CLA 302 Latin Literature II (Subtitle required)	3	HIS 504 Greek and Roman Medicine	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3	CLA 331 Gender and Sexuality in Antiquity	3	HIS 509 Roman Law	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3	CLA 382 Greek and Roman Religion	3	HIS 512 Carolingian Empire	3
CHI 430 Popular Culture in Modern China	3	CLA 390 Backgrounds to and Early History of Christianity to 150 CE	3	HIS 514 Spain: From Reconquest to Empire, 1200-1700	3
FA 501 Arts-Study Tour^	3	CLA 391 Christians in the Roman Empire	3	HIS 519 The Era of the Renaissance	3
GEO 330 Geography of the Indian Subcontinent	3	CLA 450G Special Topics in Classical Studies (Subtitle required)	3	HIS 522 Europe and the World in the Age of Revolution (1760-1815)	3
GEO 332 Geography of Southeast Asia	3	CLA 462G Topics in Classical Literature (Subtitle required)	3	HIS 525 Modern Europe: 1890-1939	3
GEO 333 Geography of East Asia	3	CLA 480G Studies in Greek and Latin Literature (Subtitle required)	3	HIS 526 Europe Since 1939	3
GEO 334 Environment, Society and Economy of Japan	3	CLA 509 Roman Law	3	HIS 529 Women in Modern Europe	3
^GEO 365 Special Topics in Regional Geography (Subtitle required)	3	CLA 524 The Latin Literature of the Republic (Subtitle required)	3	HIS 540 History of Modern France to 1815	3
^GEO 406G Field Studies (Subtitle required)	1-9	CLA 525 The Latin Literature of the Empire (Subtitle required)	3	HIS 541 History of Modern France Since 1815	3
HIS 295 East Asia to 1800	3	CLA 528 Late Antique and Post-Imperial Latin Literature (Subtitle required)	3	HIS 542 German History, 1789-1918	3
HIS 296 East Asia Since 1600	3	CLA 551 Greek Poetry and Drama (Subtitle required)	3	HIS 543 German History Since 1918	3
^HIS 355 Topics in Non-Western History Since 1789	3	CLA 555 Greek Prose (Subtitle required)	3	HIS 546 The Byzantine Empire	3
HIS 593 East Asian History Since World War II	3	ENG 241 Survey of British Literature I	3	HIS 552 Tudor-Stuart Britain, 1485-1714	3
HIS 598 China in Revolution, 1895-1976	3	ENG 242 Survey of British Literature II	3	HIS 553 Eighteenth Century Britain	3
JPN 320 Introduction to Japanese Culture Pre-Modern to 1868	3	ENG 274 Classics of Western Literature	3	HIS 554 British History 1815-1901	3
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	3	^ENG 330 Text and Context (Subtitle required)	3	HIS 555 British History Since 1901	3
JPN 334 Environment, Society and Economy of Japan	3	ENG 342 Shakespeare	3	HIS 556 The British Empire, 1322-1879	3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3	ENG 440G Studies in British Literature (Subtitle required)	3	HIS 557 British Empire and Commonwealth, 1880-2000	3
JPN 420G Pre-Modern Literary and Visual Arts of Japan	3	^FA 501 Arts-Study Tour	3	HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3	^FR 350 Francophone Cultures (Subtitle required)	3	HJS 325 Jewish Thought and Culture II: From the Expulsion from Spain to the Present	3
JPN 430G Self and Other: The Politics of Culture in Japan-U.S. Relationship	3	^FR 465G Topics in French Literature and Culture in Translation (Subtitle required)	3	HJS 425 Topics in Judaic Studies (Subtitle required)	3
JPN 451G Social Movements in Modern Japan	3	^FR 470G Topical Seminar I (Subtitle required)	3	ITA 263 Studies in Italian Culture (Subtitle required)	3
JPN 461G Japanese Colonialism and Its Legacies	3	GEO 326 Geography of Europe	3	ITA 443G Survey of Italian Literature I	3
JPN 491G Japanese Landscapes	3	GEO 365 Special Topics in Regional Geography (Subtitle required)^	3	^PS 410 Topics in Regional Politics (Subtitle required)	3
JPN 551 Japanese Multinational Corporations	3	GER 263 The German Cultural Tradition I	3	PS 427G East European Politics	3
^MUS 330 Music in the World (Subtitle required)	3	GER 264 The German Cultural Tradition II	3	SPA 262 Hispanic Literatures in Translation (Subtitle required)	3
PHI 343 Asian Philosophy	3	GER 311 Introduction to German Literature: Themes (Subtitle required)	3	SPA 312 Civilization of Spain	3
^PS 410 Topics in Regional Politics (Subtitle required)	3	GER 312 Introduction to German Literature: Popular Forms	3	SPA 320 Literature, Life and Thought of Spain	3
PS 419G The Governments and Politics of Eastern Asia	3	GER 317 History of German Culture	3	^SPA 400 Special Topics in Hispanic Literatures and Languages (Subtitle required)	3
PS 420G Governments and Politics of South Asia	3	GER 319 Contemporary German Literature and Culture	3	SPA 420 Spanish in the World	3
TA 584 Asian Theatre	3	GER 352 German-Speaking Europe (Subtitle required)	3	SPA 424 Medieval and Early Modern Spanish Studies	3
<i>The subtitle for this course must directly relate to the East, South, and Southeast Concentration. You must check with the IS director or advisor for verification prior to taking the course.</i>					
Europe					
A-H 334 Reframing Renaissance Art (Subtitle required)	3	GER 361 German Cinema	3	SPA 434 Spanish Literature of the 20th Century	3
^A-H 527 Interdisciplinary Approaches (Subtitle required)	3	GER 363 Germanic Mythology	3	^SPA 444 20th and 21st Century Spanish Studies (Subtitle required)	3
^ANT 350 Topics in Anthropology (Subtitle required)	3	GER 515 Studies in Major Authors	3	SPA 506 Introduction to Comparative Spanish, Portuguese, and Italian Linguistics	3
^ANT 351 Special Topics in Archaeology (Subtitle required)	3	GER 516 Studies in Genre	3	TA 485 French Theatre: Culture, Text and Performance	3
^ANT 352 Special Topics in Cultural Anthropology (Subtitle required)	3	^GER 520 Special Topics Seminar	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>	
^ANT 353 Special Topics in Physical or Biological Anthropology (Subtitle required)	3	GER 540 Multidisciplinary German Studies Seminar (Subtitle required)	3	Latin America	
CLA 210 The Art of Greece and Rome	3	HIS 202 History of British People to the Restoration	3	GEO 324 Geography of Central and South America and the Caribbean	3
CLA 229 The Ancient Near East and Greece to the Death of Alexander the Great	3	HIS 203 History of British People Since the Restoration	3	^GEO 406G Field Studies (Subtitle required)	3
CLA 230 The Hellenistic World and Rome to the Death of Constantine	3	HIS 208 History of the Atlantic World	3	HIS 206 History of Colonial Latin America, 1492-1810	3
		HIS 230 The Hellenistic World and Rome to the Death of Constantine	3	HIS 207 History of Modern Latin America, 1810 to Present	3
		HIS 323 The Holocaust	3	HIS 562 Modern Mexico	3
		HIS 352 Topics in European History Before 1789	3	HIS 563 The History of Women in Latin America	3
		HIS 353 Topics in European History Since 1789	3	PS 428G Latin American Government and Politics	3
		HIS 370 Early Middle Ages	3	PS 538 Conflict and Cooperation in Latin American Relations	3
		HIS 371 Later Middle Ages	3	SPA 314 Civilization of Spanish America	3
		HIS 500 Preclassical and Classical Greece	3	SPA 322 Literature, Life and Thought of Spanish America	3
		HIS 501 Fourth Century Greece and the Hellenistic World	3		

SPA 361 Latin American Literature in Translation
(Subtitle required) 3

SPA 371 Latin American Cinema
(Subtitle required) 3

^SPA 400 Special Topics in Hispanic Literatures
and Languages (Subtitle required) 3

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

Russia and Eurasia

^A-H 527 Interdisciplinary Approaches
(Subtitle required) 3

^ANT 350 Topics in Anthropology
(Subtitle required) 3

^ANT 351 Special Topics in Archaeology
(Subtitle required) 3

^ANT 352 Special Topics in Cultural Anthropology
(Subtitle required) 3

^ANT 353 Special Topics in Physical or
Biological Anthropology (Subtitle required) 3

ANT 432 Anthropology of Eastern Europe
and Russia 3

^FA 501 Arts-Study Tour 3

GEO 329 Geography of the Former Soviet Union 3

^GEO 365 Special Topics in Regional Geography
(Subtitle required) 3

^HIS 355 Topics in Non-Western History
Since 1789 3

HIS 385 History of Russia to 1825 3

HIS 386 History of Russia Since 1825 3

HIS 534 Russia in the 19th Century 3

HIS 535 Russia in the 20th Century 3

HIS 536 Intellectual and Cultural History
of Russia to 1800 3

HIS 537 Intellectual and Cultural History of Russia
From 1800 to the Present 3

^PS 410 Topics in Regional Politics
(Subtitle required) 3

PS 427G East European Politics 3

PS 429G Government and Politics in Russia
and the Post-Soviet States 3

RUS 261 Introduction to Russian Studies 3

RUS 275 Russian Film 3

RUS 370 Russian Folklore (in English) 3

RUS 371 Russian Culture 900-1900 3

RUS 372 Russian Culture 1900-Present 3

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

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

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 9 credit hours from any other major can apply to the minor. All 18 credit hours must be in approved International Studies courses.

LINGUISTICS

Linguistics is an interdisciplinary program combining resources from English, anthropology, psychology, philosophy, computer science, and the foreign languages, to develop an understanding of the nature and implications of human language. The Linguistics program provides solid foundations in phonological and grammatical analysis, as well as opportunities to investigate the social, cultural, psychological, and physical aspects of language use.

Bachelor of Arts with a major in LINGUISTICS

120 hours (minimum)

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

UK Core Requirements

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

- I. Intellectual Inquiry in 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 15 additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses 15
- Major Core hours: 33**

Other Course Work Required for the Major For the Related Component:

- Choose 15 hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program 15
- Other Major hours: 15**

Electives

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

Total Minimum Hours Required for Degree 120

Bachelor of Science with a major in LINGUISTICS

120 hours (minimum)

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

UK Core Requirements

See the *UK Core* section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also

fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one 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 221 Introduction to Linguistics I:

Theoretical Foundations and Analysis 3

LIN 222 Introduction to Linguistics II:

Language in Context 3

plus four major area courses:

LIN 500 Phonetics 3

LIN 505 Linguistic Morphology 3

LIN 512 Analysis of English Syntax 3

LIN 515 Phonological Analysis 3

plus 15 additional hours of LIN courses of which six (6) or more must be at the 500 level and distinct from the major area courses 15

Major Core hours: **33**

Other Course Work Required for the Major

For the Related Component:

Choose 15 hours of additional courses relevant to the major chosen from the fields of anthropology, computer science, modern and classical languages, Hispanic studies, mathematics, psychology, philosophy or courses approved by the Director of the Program 15

Other Major hours: **15**

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 12

Total Minimum Hours Required for Degree **120**

Minor in Linguistics

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

LIN 221 Introduction to Linguistics I:

Theoretical Foundations and Analysis 3

LIN 222 Introduction to Linguistics II:

Language in Context 3

Choose one phonetics/phonology course:

LIN 500 Phonetics

or

LIN 515 Phonological Analysis 3

Choose one morphosyntax/semantic course:

LIN 512 Analysis of English Syntax

LIN 505 Linguistic Morphology

LIN 509 Formal Semantics

or

LIN 516 Grammatical Typology 3

Choose two other LIN courses at 300 level or above 6

MATHEMATICAL ECONOMICS

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

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

cost of inventory under the uncertainty of consumer demand. The solution of control problems of this type requires knowledge of relatively sophisticated mathematics and statistics as well as knowledge of basic economic principles.

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

Bachelor of Arts with a major in MATHEMATICAL ECONOMICS

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: **30**

Graduation Composition and Communication Requirement (GCCR)

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

College Requirements

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

Premajor Requirements

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

Major Requirements

Mathematics Core Requirements

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

Economics Core Requirements

ECO 201 Principles of Economics I 3
 ECO 202 Principles of Economics II 3
 ECO 391 Economic and Business Statistics 3
 ECO 401 Intermediate Microeconomic Theory 3
 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 9 hours of 300+ level economics courses 9

For the Statistics Component

Choose STA 296 or a higher level statistics course 3
Other Major hours: 18

Electives

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

Total Minimum Hours Required for Degree 120

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

Bachelor of Science with a major in MATHEMATICAL ECONOMICS

120 hours (minimum)

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

requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

College Requirements

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

Premajor Requirements

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

Major Requirements

Mathematics Core Requirements

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

Economics Core Requirements

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

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 9 hours of 300+ level economics courses 9

For the Statistics Component

Choose STA 296 or a higher level statistics course 3

Other Major hours: 18

Electives

Choose electives to lead to the minimum total of 120 hours required for graduation 12

Total Minimum Hours Required for Degree 120

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

MATHEMATICS

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

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

Bachelor of Arts with a major in MATHEMATICS

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

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 (<i>placement exam recommended</i>)	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 Introduction to Optimization	
and	
MA/STA 417G Decision Making Under Uncertainty ...	6
Major Core hours:	29

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

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

From Outside the Major Department

Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement 9

Other Major hours: **15**

Total Minimum Hours Required for Degree **120**

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

Bachelor of Science with a major in MATHEMATICS

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication 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

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 (<i>placement exam recommended</i>)	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 Introduction to Optimization	
and	
MA/STA 417G Decision Making Under Uncertainty ...	6
Major Core hours:	29

Other Course Work Required for the Major

From the Major Department:

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

From Outside the Major Department

Nine hour supporting program chosen from one area outside mathematics. The Director of Undergraduate Studies must approve the supporting program. Courses in the supporting program must be at the 300 level and above. Cross-listed courses may be used for the supporting program provided they are not used to satisfy another major requirement 9

Other Major hours: 15

Electives

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

Total Minimum Hours Required for Degree 120

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

Mathematics Cooperative Education

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

Minor in Mathematics

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

1. MA 113/114 Calculus I and II and 8
MA 213 Calculus III 4
or equivalent
2. MA 322 Matrix Algebra and Its Applications 3
or equivalent
3. 6 additional hours of mathematics courses numbered greater than 213. Possible courses include: MA 214, MA 261, MA 320, MA 321, MA 330, MA 341, MA 351, MA 361, or any 400 level math course.

MILITARY SCIENCE AND LEADERSHIP (Army Officer Commissioning)

The Army Reserve Officers' Training program at the University of Kentucky is open to both men and women and follows a general military science curriculum that is normally completed in four years but which may be completed in two years. An academic major in military science is not offered. The program's primary objective is to commission the future leadership of the Active Army, Army National Guard, and U.S. Army Reserve.

Scholarships

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

Academic Program

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

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

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

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

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

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

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

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

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

MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

The Department of Modern and Classical Languages, Literatures and Cultures is comprised of tracks in Arabic and Islamic Studies, Chinese Studies, Classics, Folklore and Mythology, French and Francophone Studies, German Studies, Hebrew and Jewish Studies, Italian Studies, Japan Studies and Russian Studies.

Bachelor of Arts with a major in MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one of the following courses

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

RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

III. Intellectual Inquiry in the Social Sciences

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

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

AIS 430 Islam in America	
or any area course	3

X. Global Dynamics

AIS 228 Islamic Civilization	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	
GER 342 War, Peace, and Terror in Germany and Europe	
GER 361 German Cinema	
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	
JPN 351 The Japanese Experience of the Twentieth Century	
MCL 343 Global Horror	
RUS 370 Russian Folklore (in English)	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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

College Requirements

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

College Requirement hours: 19

MCL Common Core

MCL 100 The World of Language	3
MCL 200 Global Literacy	3
Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student's field of concentration	3
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone	3

Common Core hours: 12

TRACKS

MCL / Arabic and Islamic Studies

Track Requirements

AIS 228 Islamic Civilization	3
AIS 311 Arabic for Business and Media I	3
AIS 312 Arabic for Business and Media II	3
AIS 330 Islamic Civilization II	3

Track Requirement hours: 12

Track Electives

Students must take 18 hours of the following courses toward a total of 42 credits:

AIS 301 Colloquial Arabic I	3
AIS 302 Colloquial Arabic II	3
AIS 320 Modern Arabic Literature and Film in Translation	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
AIS 345 Islamic Mysticism	3
AIS 410 Theology and Law in Islam	3
AIS 430 Islam in America	3
AIS 440 Introduction to the Quran	3
AIS 442 Arabic Reading I	3
AIS 443 Arabic Reading II	3
ANT 222 Middle East Cultures	3
ANT 236 People and Cultures of Sub-Saharan Africa	3
ANT 327 Culture and Societies of India and South Asia	3
GEO 328 Geography of the Middle East and North Africa	3
GEO 330 Geography of the Indian Subcontinent	3
GEO 336 Geography of Sub-Saharan Africa	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
*PS 410 Topics in Regional Politics (Subtitle required)	3
MCL 375 Language Study Abroad	
or	
MCL 376 Cultural Studies Abroad	
or	
other Study Abroad courses approved by the Director of Undergraduate Studies	1-3

**If topic is appropriate.*

Total Elective hours 18

Major Requirement hours: 42

MCL / Chinese Studies

Track Requirements

CHI 301 Advanced Intermediate Chinese I	3
CHI 302 Advanced Intermediate Chinese II	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3

Track Requirement hours: 12

Track Electives

Students must take 18 hours of the following courses toward a total of 42 credits:

CHI 320 Gender Politics in Chinese Literature	3
CHI 321 Introduction to Contemporary Chinese Film	3
CHI 322 Self and Society in Chinese Culture	3
CHI 345 Introduction to Early Chinese Thought	3
CHI 395 Independent Work in Chinese	1-3
CHI 401 Advanced Chinese I	3

CHI 402 Advanced Chinese II	3
CHI 430 Popular Culture in Modern China	3
CHI 450 Daoism	3
CHI 495G Advanced Independent Work in Chinese	1-3
CHI 511 Literary Chinese	3
HIS 355 Topics in Non-Western History Since 1789	3
HIS 597 Westerners in East Asia, 1839 to the Present	3
HIS 598 China in Revolution, 1895-1976	3
A&S 300 Special Course (Subtitle required)	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3

In addition to the courses above, students may also choose to draw up to 6 credits maximum from the following courses in China and in its East Asian context toward their total of 42 credits:

HIS 295 East Asia to 1800	3
HIS 296 East Asia Since 1600	3
HIS 593 East Asian History Since World War II	3
A-H 310 Asian Art and Culture (Subtitle required)	3
TA 584 Asian Theatre	3
GEO 333 Geography of East Asia	3
MUS 330 Music in the World (Subtitle required)	3
PHI 343 Asian Philosophy	3
PS 419G The Governments and Politics of Eastern Asia	3
Total Elective hours	18
Major Requirement hours:	42

MCL / Classics

Track Requirements

To graduate with a field of study in Classics, the student must complete either Greek to the CLA 252 level or Latin to the 202-level either by successfully completing the specified course, by successfully completing a course above the 200-level in either language, or by demonstrating the equivalent competency.

The student must also complete 18 hours in courses at the 200-level or above with a CLA prefix or cross-listed CLA.

Total Requirement hours: **18**

Track Electives

In addition, the student must complete 12 hours in courses appropriate to the field of study at the 200-level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). The following courses are automatically accepted to fulfill this requirement, but other courses may be accepted by the Director of Undergraduate Studies on a case-by-case basis.

A-H 314 Ancient (Subtitle required)	3
AIS 228 Islamic Civilization	3
ANT 240 Introduction to Archaeology	3
ENG 271 The Bible as Literature	3
ENG 274 Classics of Western Literature	3
HIS 330 A History of Western Religious Thought (I)	3
HIS 370 Early Middle Ages	3
HIS 500 Preclassical and Classical Greece	3
HIS 501 Fourth-Century Greece and the Hellenistic World	3
HIS 502 A History of the Roman Republic	3
HIS 503 A History of the Roman Empire	3
HIS 504 Greek and Roman Medicine	3
HIS 511 Barbarians	3

HIS 512 Carolingian Empire	3
HIS 519 The Era of the Renaissance	3
HIS 546 The Byzantine Empire	3
HJS 324 Jewish Thought and Culture I: From Ancient Israel to the Middle Ages	3
MCL 270 Introduction to Folklore and Mythology	3
MCL 595 Topics in Folklore and Myth (Subtitle required)	3
PHI 260 History of Philosophy I: From Greek Beginnings to the Middle Ages	3
PHI 503 Topics in Ancient Philosophy	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Total Elective hours	12
Major Requirement hours:	42

MCL / French and Francophone Studies

Track Requirements

FR 204 Introduction to French and Francophone Studies	3
FR 214 France Today or FR 215 Visual Cultures	3
FR 410 French in Performance or FR 425 Media Studies	3
FR 470G Topical Seminar I (Subtitle required)	3
FR 471G Topical Seminar II (Subtitle required)	3
Track Requirement hours:	15

Track Electives

Choose 15 hours from among the following courses:

FR 307 French for Business and Economics	3
FR 310 French Phonetics	3
FR 311 Introduction to French Linguistics	3
FR 324 Studies in French Literature (Subtitle required)	3
FR 325 French Cinema (Subtitle required)	3
FR 344 The Literary Text (Subtitle required)	3
FR 350 Francophone Cultures (Subtitle required)	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Total Elective hours	15
Major Requirement hours:	42

MCL / German Studies

Track Requirements

GER 307 Intermediate German Composition and Conversation I	3
GER 308 Intermediate German Composition and Conversation II	3
GER 311 Introduction to German Literature: Themes (Subtitle required)	3
GER 312 Introduction to German Literature: Popular Forms	3
Track Requirement hours:	12

Track Electives

In addition, the student must complete 12 hours from the following courses:

GER 310 German for International Business and Professions	3
GER 317 History of German Culture	3
GER 319 Contemporary German Literature and Culture	3
GER 342 War, Peace, and Terror in Germany and Europe	3
GER 352 German-Speaking Europe (Subtitle required)	3
GER 361 German Cinema	3
GER 363 Germanic Mythology	3
GER 395 Independent Work in German	3
GER 507 Advanced German Composition and Conversation	3
GER 515 Studies in Major Authors	3
GER 516 Studies in Genre	3
GER 550 Multidisciplinary German Studies Seminar (Subtitle required)	3
MCL 343 Global Horror	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3

The student must also complete an additional 6 hours of related courses in History, Linguistics, Philosophy, English, Gender and Women's Studies, or Geography. Courses from an additional major or a minor could be applied here.

Total Elective hours **18**

Major Requirement hours: **42**

MCL / Japan Studies

Track Requirements

JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	3
JPN/ANT 321 Introduction to Japanese Culture, Meiji (1868) to Present or JPN 351 The Japanese Experience of the Twentieth Century or HIS 357 Japan at War, 1850 to the Present	3
JPN 401 Advanced Japanese III	3
JPN 402 Advanced Japanese IV	3
Track Requirement hours:	12

Track Electives

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

JPN 283 Japanese Film	3
JPN 400G Topics in Japan Studies (Subtitle required)	3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3
JPN 420G Pre-Modern Literary and Visual Arts of Japan	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3
JPN 520 Japanese Linguistics and Society	3
MCL 324 The City in the Twentieth Century: Tokyo, Shanghai, Paris	3
A-H 310 Asian Art and Culture (Subtitle required)	3
A-H 311 The Arts as Soft Power: The Japanese Tea Ceremony	3
HIS 295 East Asia to 1800	3
HIS 296 East Asia Since 1600	3
HIS 357 Japan at War, 1850 to the Present	3

GEO/JPN 334 Environment, Society and Economy of Japan	3
GEO/JPN 491G Japanese Landscapes	3
GEO/JPN 551 Japanese Multinational Corporations	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Total Elective hours	18
Major Requirement hours:	42

MCL / Russian Studies

Track Requirements

RUS 301 Conversation and Composition I	3
RUS 302 Advanced Intermediate Russian II	3
RUS 371 Russian Culture 900-1900	3
RUS 372 Russian Culture 1900-Present	3

Track Requirement hours: 12

Track Electives

In addition, the student must complete 12 hours from the following courses:

RUS 275 Russian Film	3
RUS 370 Russian Folklore (in English)	3
RUS 401 Advanced Russian I	3
RUS 404 Advanced Russian II	3
RUS 410G Russian for Special Purposes (Subtitle required)	3
RUS 525 Russian Literary Studies (Subtitle required)	3
RUS 535 Russian Visual Studies (Subtitle required)	3
RUS 545 Russian Cultural Studies (Subtitle required)	3
RUS 555 Topical Seminar on Russian Studies (Subtitle required)	3

MCL 375 Language Study Abroad

or

MCL 376 Cultural Studies Abroad

or

other Study Abroad courses approved by the Director
of Undergraduate Studies

Plus 6 credit hours related to Russia/Former USSR from
outside the major department.

Total Elective hours 18

Major Requirement hours: 42

Total Minimum Hours

Required for Degree 120

Bachelor of Science with a major in MODERN AND CLASSICAL LANGUAGES, LITERATURES AND CULTURES

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list

II. Intellectual Inquiry in the Humanities

Choose one of the following courses

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

CHI 331 Introduction to Chinese Culture, 1840 to Present	
FR 103 French Cinema	
FR 205 The French Graphic Novel	
FR 225 French Film Noir	
GER 103 Fairy Tales in European Context	
GER 105 German Film Today	
MCL 100 The World of Language	
MCL 135 Vampires: Evolution of a Sexy Monster	
MCL 200 Global Literacy	
MCL 270 Introduction to Folklore and Mythology	
RUS 275 Russian Film	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

or any area course

GER 103 Fairy Tales in European Context	
GER 105 German Film Today	
MCL 100 The World of Language	
MCL 135 Vampires: Evolution of a Sexy Monster	
MCL 200 Global Literacy	
MCL 270 Introduction to Folklore and Mythology	
RUS 275 Russian Film	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

III. Intellectual Inquiry in the Social Sciences

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

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

Choose one course from approved list

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

AIS 430 Islam in America
or any area course

X. Global Dynamics

AIS 228 Islamic Civilization	
CHI 331 Introduction to Chinese Culture, 1840 to Present	
GER 342 War, Peace, and Terror in Germany and Europe	
GER 361 German Cinema	
JPN 320 Introduction to Japanese Culture, Pre-Modern to 1868	
JPN 321 Introduction to Japanese Culture, Meiji (1868) to Present	
JPN 351 The Japanese Experience of the Twentieth Century	
MCL 343 Global Horror	
RUS 370 Russian Folklore (in English)	
RUS 371 Russian Culture 900-1900	
RUS 372 Russian Culture 1900-Present	
or any area course	3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

MCL 495 Modern and Classical Languages,
Literatures and Cultures Capstone

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

College Requirements

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

II. Disciplinary Requirements

a. Natural Science	3-6
b. Social Science	3-6
c. Humanities (<i>completed by Major Requirements</i>)	

III. Laboratory or Field Work

IV. Electives

College Requirement hours: 19

MCL Common Core

MCL 100 The World of Language	3
MCL 200 Global Literacy	3
Cross-Disciplinary Requirement: a course at or above the 200-level offered by MCL in an area other than the student's field of concentration	3
MCL 495 Modern and Classical Languages, Literatures and Cultures Capstone	3

Common Core hours: 12

TRACKS

MCL / Arabic and Islamic Studies

Track Requirements

AIS 228 Islamic Civilization	3
AIS 311 Arabic for Business and Media I	3
AIS 312 Arabic for Business and Media II	3
AIS 330 Islamic Civilization II	3

Track Requirement hours: 12

Track Electives

Students must take 18 hours of the following courses toward
a total of 42 credits:

AIS 301 Colloquial Arabic I	3
AIS 302 Colloquial Arabic II	3
AIS 320 Modern Arabic Literature and Film in Translation	3
AIS 331 Classical Arabic Literature (in English)	3
AIS 338 Women and Islam	3
AIS 340 Fundamentalism and Reform in Islam	3
AIS 345 Islamic Mysticism	3
AIS 410 Theology and Law in Islam	3
AIS 430 Islam in America	3
AIS 440 Introduction to the Quran	3
AIS 442 Arabic Reading I	3
AIS 443 Arabic Reading II	3
ANT 222 Middle East Cultures	3
ANT 326 People and Cultures of Sub-Saharan Africa ...	3
ANT 327 Culture and Societies of India and South Asia	3
GEO 328 Geography of the Middle East and North Africa	3
GEO 330 Geography of the Indian Subcontinent	3
GEO 336 Geography of Sub-Saharan Africa	3
PHI 504 Islamic and Jewish Philosophy and the Classical Tradition	3
*PS 410 Topics in Regional Politics (Subtitle required)	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3

**If topic is appropriate.*

Total Elective hours 18

Major Requirement hours: 42

MCL / Chinese Studies

Track Requirements

CHI 301 Advanced Intermediate Chinese I 3
 CHI 302 Advanced Intermediate Chinese II 3
 CHI 330 Introduction to Chinese Culture,
 Pre-Modern to 1840 3
 CHI 331 Introduction to Chinese Culture,
 1840 to Present 3

Track Requirement hours: 12

Track Electives

Students must take 18 hours of the following courses toward a total of 42 credits:

CHI 320 Gender Politics in Chinese Literature 3
 CHI 321 Introduction to
 Contemporary Chinese Film 3
 CHI 322 Self and Society in Chinese Culture 3
 CHI 345 Introduction to Early Chinese Thought 3
 CHI 395 Independent Work in Chinese 1-3
 CHI 401 Advanced Chinese I 3
 CHI 402 Advanced Chinese II 3
 CHI 430 Popular Culture in Modern China 3
 CHI 450 Daoism 3
 CHI 495G Advanced Independent Work
 in Chinese 1-3
 CHI 511 Literary Chinese 3
 HIS 355 Topics in Non-Western History
 Since 1789 3
 HIS 597 Westerners in East Asia,
 1839 to the Present 3
 HIS 598 China in Revolution, 1895-1976 3
 A&S 300 Special Course (Subtitle required) 3

MCL 375 Language Study Abroad

or

MCL 376 Cultural Studies Abroad

or

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

In addition to the courses above, students may also choose to draw up to 6 credits maximum from the following courses in China and in its East Asian context toward their total of 42 credits:

HIS 295 East Asia to 1800 3
 HIS 296 East Asia Since 1600 3
 HIS 593 East Asian History Since World War II 3
 *A-H 310 Asian Art and Culture (Subtitle required) 3
 TA 584 Asian Theatre 3
 GEO 333 Geography of East Asia 3
 MUS 330 Music in the World (Subtitle required) 3
 PHI 343 Asian Philosophy 3
 PS 419G The Governments and Politics
 of Eastern Asia 3

**If topic is appropriate.*

Total Elective hours 18

Major Requirement hours: 42

MCL / Classics

Track Requirements

To graduate with a field of study in Classics, the student must complete either Greek to the CLA 252 level or Latin to the 202 level either by successfully completing the specified course, by successfully completing a course above the 200 level in either language, or by demonstrating the equivalent competency.

The student must also complete 18 hours in courses at the 200 level or above with a CLA prefix or cross-listed CLA.

Total Requirement hours: 18

Track Electives

In addition, the student must complete 12 hours in courses appropriate to the field of study at the 200 level or above not prefixed CLA (courses cross-listed CLA also fulfill this requirement). The following courses are automatically accepted to fulfill this requirement, but other courses may be accepted by the Director of Undergraduate Studies on a case-by-case basis.

A-H 314 Ancient (Subtitle required) 3
 AIS 228 Islamic Civilization 3
 ANT 240 Introduction to Archaeology 3
 ENG 271 The Bible as Literature 3
 ENG 274 Classics of Western Literature 3
 HIS 330 A History of Western
 Religious Thought (I) 3
 HIS 370 Early Middle Ages 3
 HIS 500 Preclassical and Classical Greece 3
 HIS 501 Fourth-Century Greece
 and the Hellenistic World 3
 HIS 502 A History of the Roman Republic 3
 HIS 503 A History of the Roman Empire 3
 HIS 504 Greek and Roman Medicine 3
 HIS 511 Barbarians 3
 HIS 512 Carolingian Empire 3
 HIS 519 The Era of the Renaissance 3
 HIS 546 The Byzantine Empire 3
 HJS 324 Jewish Thought and Culture I:
 From Ancient Israel to the Middle Ages 3

MCL 270 Introduction to Folklore and Mythology 3

MCL 595 Topics in Folklore and Myth
 (Subtitle required) 3

PHI 260 History of Philosophy I:
 From Greek Beginnings to the Middle Ages 3

PHI 503 Topics in Ancient Philosophy 3

MCL 375 Language Study Abroad

or

MCL 376 Cultural Studies Abroad

or

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

Total Elective hours 12

Major Requirement hours: 42

MCL / French and Francophone Studies

Track Requirements

FR 204 Introduction to French
 and Francophone Studies 3

FR 214 France Today

or

FR 215 Visual Cultures 3

FR 410 French in Performance

or

FR 425 Media Studies 3

FR 470G Topical Seminar I (Subtitle required) 3

FR 471G Topical Seminar II (Subtitle required) 3

Track Requirement hours: 15

Track Electives

Choose 15 hours from among the following courses:

FR 307 French for Business and Economics 3

FR 310 French Phonetics 3

FR 311 Introduction to French Linguistics 3

FR 324 Studies in French Literature
 (Subtitle required) 3

FR 325 French Cinema (Subtitle required) 3

FR 344 The Literary Text (Subtitle required) 3

FR 350 Francophone Cultures (Subtitle required) 3

MCL 375 Language Study Abroad

or

MCL 376 Cultural Studies Abroad

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

Total Elective hours 15

Major Requirement hours: 42

MCL / German Studies

Track Requirements

GER 307 Intermediate German Composition
 and Conversation I 3

GER 308 Intermediate German Composition
 and Conversation II 3

GER 311 Introduction to German
 Literature: Themes (Subtitle required) 3

GER 312 Introduction to German Literature:
 Popular Forms 3

Track Requirement hours: 12

Track Electives

In addition, the student must complete 12 hours from the following courses:

GER 310 German for International Business
 and Professions 3

GER 317 History of German Culture 3

GER 319 Contemporary German Literature
 and Culture 3

GER 342 War, Peace, and Terror
 in Germany and Europe 3

GER 352 German-Speaking Europe
 (Subtitle required) 3

GER 361 German Cinema 3

GER 363 Germanic Mythology 3

GER 395 Independent Work in German 3

GER 507 Advanced German Composition
 and Conversation 3

GER 515 Studies in Major Authors 3

GER 516 Studies in Genre 3

GER 550 Multidisciplinary German Studies Seminar
 (Subtitle required) 3

MCL 343 Global Horror 3

MCL 375 Language Study Abroad

or

MCL 376 Cultural Studies Abroad

or

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

The student must also complete an additional 6 hours of related courses in history, linguistics, philosophy, English, gender and women's Studies, or geography. Courses from an additional major or a minor could be applied here.

Total Elective hours 18

Major Requirement hours: 42

MCL / Japan Studies

Track Requirements

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

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

or

JPN 351 The Japanese Experience
 of the Twentieth Century

or

HIS 357 Japan at War, 1850 to the Present 3

JPN 401 Advanced Japanese III 3

JPN 402 Advanced Japanese IV 3

Track Requirement hours: 12

Track Electives

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

JPN 283 Japanese Film	3
JPN 400G Topics in Japan Studies (Subtitle required)	3
JPN 405 Seminar in Japanese and Asian Studies (Subtitle required)	3
JPN 420G Pre-Modern Literary and Visual Arts of Japan	3
JPN 421G Contemporary Literary and Visual Arts of Japan	3
JPN 520 Japanese Linguistics and Society	3
MCL 324 The City in the Twentieth Century: Tokyo, Shanghai, Paris	3
A-H 310 Asian Art and Culture (Subtitle required)	3
A-H 311 The Arts as Soft Power: The Japanese Tea Ceremony	3
HIS 295 East Asia to 1800	3
HIS 296 East Asia Since 1600	3
HIS 357 Japan at War, 1850 to the Present	3
GEO/JPN 334 Environment, Society and Economy of Japan	3
GEO/JPN 491G Japanese Landscapes	3
GEO/JPN 551 Japanese Multinational Corporations	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Total Elective hours	18
Major Requirement hours:	42

MCL / Russian Studies**Track Requirements**

RUS 301 Conversation and Composition I	3
RUS 302 Advanced Intermediate Russian II	3
RUS 371 Russian Culture 900-1900	3
RUS 372 Russian Culture 1900-Present	3

Track Requirement hours: 12

Track Electives

In addition, the student must complete 12 hours from the following courses:

RUS 275 Russian Film	3
RUS 370 Russian Folklore (in English)	3
RUS 401 Advanced Russian I	3
RUS 404 Advanced Russian II	3
RUS 410G Russian for Special Purposes (Subtitle required)	3
RUS 525 Russian Literary Studies (Subtitle required) ...	3
RUS 535 Russian Visual Studies (Subtitle required)	3
RUS 545 Russian Cultural Studies (Subtitle required) ...	3
RUS 555 Topical Seminar on Russian Studies (Subtitle required)	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Plus 6 credit hours related to Russia/Formal USSR from outside the major department.	
Total Elective hours	18
Major Requirement hours:	42
Total Minimum Hours Required for Degree	120

Minor in Modern and Classical Languages, Literatures and Cultures

The minor in Modern and Classical Languages, Literatures and Cultures requires a minimum of 18 hours of course work. Students choose one of nine options (fields of concentration) from: Chinese Studies, Classics, Folklore and Mythology, French and Francophone Studies, German Studies, Islamic Studies, Italian, Japan Studies and Russian Studies.

MCL / Chinese Studies**Core Requirements**

All students must complete a minimum 6 credits from among the following courses:

CHI 301 Advanced Intermediate Chinese I	3
CHI 302 Advanced Intermediate Chinese II	3
CHI 330 Introduction to Chinese Culture, Pre-Modern to 1840	3
CHI 331 Introduction to Chinese Culture, 1840 to Present	3
Total Core hours	6

Elective Requirements

In addition, students must take at least 12 additional credits from the following for a total of 18 credits. (Please note that courses on the core course list above NOT used to satisfy the Core Requirements may be used to satisfy the Elective Requirements.):

CHI 320 Gender Politics in Chinese Literature	3
CHI 321 Introduction to Contemporary Chinese Film	3
CHI 322 Self and Society in Chinese Culture	3
MCL 100 The World of Language	3
MCL 200 Global Literacy	3
MCL 375 Language Study Abroad or MCL 376 Cultural Studies Abroad or other Study Abroad courses approved by the Director of Undergraduate Studies	1-3
Total Elective hours	12

MCL / Classics**Core Requirements**

The requirements for a Classics minor are 18 credit hours, at least 6 of which must be at the 300 level or above, earned from among the following courses:

1. Greek and Latin courses at any level
2. Non-language CLA courses at the 200 level or higher

All courses may be chosen from category 1, all from category 2, or the two categories may be combined in any manner, as long as students earn the requisite 18 credit hours. MCL 100, MCL 200, MCL 375 and MCL 376 may count toward the MCL/Classics minor.

MCL / Folklore and Mythology**Core Requirements**

MCL 270 Introduction to Folklore and Mythology	3
CLA 135 Greek and Roman Mythology	3
or CLA 100 Ancient Stories in Modern Films	3
GER 103 Fairy Tales in European Context	3
Total Core hours	9

Students in this minor must also satisfy the current A&S Language Requirement, regardless of their college. The minor is not restricted to A&S majors.

Elective Requirements

Choose an additional 6 hours from the following courses:

CLA 331 Gender and Sexuality in Antiquity	3
CLA 382 Greek and Roman Religion	3
FR 263 African and Caribbean Literature and Culture of French Expression in Translation (Subtitle required)	3
GER 363 Germanic Mythology	3
RUS 370 Russian Folklore (in English)	3
MCL 595 Topics in Folklore and Myth (Subtitle required)	3

Choose 3 additional hours in elective courses (chosen from the MCL courses above not taken for the elective requirement) or from other courses approved by the advisor or from the following:

CLA 462G Topics in Classical Literature (Subtitle required)	3
GER 263 The German Cultural Tradition I	3
*GER 312 Introduction to German Literature: Popular Forms	3
AAS 200 Introduction to African-American Studies	3
AAS 254 History of Colonial and Post-Colonial Africa	3
ANT 220 Introduction to Cultural Anthropology	3
ANT 241 Origins of Old World Civilization	3
ANT 242 Origins of New World Civilization	3
ANT 245 Food Culture and Society	3
ANT 301 History of Anthropological Theory	3
ANT 401 Gender Roles in Cross-Cultural Perspective	3
ANT 450 Symbols and Culture	3
ANT 470G Regional American Ethnography	3
APP 200 Introduction to Appalachian Studies	3
*APP 300 Topics in Appalachian Studies (Subtitle required)	3
ENG 271 The Bible as Literature	3
*ENG 492G Cultural Studies (Subtitle required)	3
ENG 519 Introduction to Old English	3
HIS 521 European Social History, 1400-1800	3
HIS 536 Intellectual and Cultural History of Russia to 1800	3
LAS 201 Introduction to Latin America	3
*LIN 317 Language and Society (Subtitle required)	3
MAT 247 Dress and Culture	3
MUS 300 History of Jazz	3
MUS 301 Appalachian Music	3
*SOC 350 Topics in Sociology (Subtitle required)	3
GWS 200 Sex and Power	3
GWS 201 Gender and Popular Culture	3
*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
Total Elective hours	9

* Approved for the minor when the topic of the course is appropriate as determined by the minor advisor.

MCL / French and Francophone Studies**Core Requirements**

FR 204 Introduction to French and Francophone Studies	3
FR 214 France Today	3
or FR 215 Visual Cultures	3
Total Core hours	6

Elective Requirements

Choose 12 hours from:
 FR courses 300+ level, excluding FR 553
 and courses taught in English.
 MCL 100 The World of Language 3
 MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
Total Elective hours 12

MCL / German Studies

Core Requirements

GER 307 Intermediate German Composition
 and Conversation I 3
 GER 308 Intermediate German Composition
 and Conversation II 3
Total Core hours 6

Elective Requirements

Choose 12 hours from:
 GER courses at the 300 level or above
 MCL 100 The World of Language 3
 MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
Total Elective hours 12

MCL / Islamic Studies

Core Requirements

AIS 228 Islamic Civilization 3
 AIS 330 Islamic Civilization II 3
Total Core hours 6

Elective Requirements

An additional 12 credit hours from among the following:
 AIS 101 Elementary Modern Standard Arabic 4
 AIS 102 Elementary Modern Standard Arabic 4
 AIS 201 Intermediate Modern Standard Arabic 3
 AIS 202 Intermediate Modern Standard Arabic 3
 AIS 228 Islamic Civilization 3
 AIS 301 Colloquial Arabic I 3
 AIS 302 Colloquial Arabic II 3
 AIS 320 Modern Arabic Literature and Film
 in Translation 3
 AIS 330 Islamic Civilization II 3
 AIS 331 Classical Arabic Literature (in English) 3
 AIS 338 Women and Islam 3
 AIS 340 Fundamentalism and Reform in Islam 3
 AIS 345 Islamic Mysticism 3
 AIS 410 Theology and Law in Islam 3
 AIS 430 Islam in America 3
 AIS 435 Topics in Islamic Studies (Subtitle required) 3
 AIS 440 Introduction to the Quran 3
 AIS 442 Arabic Reading I 3
 AIS 443 Arabic Reading II 3
 ANT 222 Middle East Cultures 3
 ANT 331 Anthropology of North Africa 3
 GEO 328 Geography of the Middle East
 and North Africa 3
 HIS 549 History of the Middle East:
 1952 to the Present 3
 HIS 550 Studies in Mid-East History
 and Politics (Subtitle required) 3
 PS 410 Topics in Regional Politics
 (Subtitle required) 3
 MCL 100 The World of Language 3

MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
 Other courses in the area may be elected with the approval
 of the director of the Islamic Studies Program
Total Elective hours 12

MCL / Italian

Core Requirements

ITA 201 Intermediate Italian 3
 ITA 202 Intermediate Italian 3
Total Core hours: 6

Elective Requirements

In addition student must complete 12 hours from the follow-
 ing courses:
 ITA 263 Studies in Italian Culture
 (Subtitle required) 3
 ITA 300 Italian Conversation and Writing 3
 ITA 301 Italy from Fascism to the Present 3
 ITA 395 Independent Studies in Italian 3
 MCL 100 The World of Language 3
 MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
 A-H 105 World Art Before 1400 3
 A-H 106 Renaissance to Modern Art 3
 A-H 314/CLA 314 Ancient (Subtitle required) 3
 A-H 334 Reframing Renaissance Art 3
 A-H 335 Early Modern Art and Visual Culture,
 1400-1700 (Subtitle required) 3
 CLA 100 Ancient Stories in Modern Films 3
 CLA 135 Greek and Roman Mythology 3
 CLA 191 Christianity, Culture, and Society:
 A Historical Introduction 3
 CLA 210 The Art of Greece and Rome 3
 CLA/HIS 230 The Hellenistic World and Rome
 to the Death of Constantine 3
 CLA/HIS 391 Christians in the Roman Empire 3
 CLA/HIS 509 Roman Law 3
 HIS 120 The World at War, 1939-45 3
 HIS 121 War and Society, 1914-1945 3
 HIS 502 A History of the Roman Republic 3
 HIS 503 A History of the Roman Empire 3
 HIS 519 The Era of the Renaissance 3
Total Elective hours 12

MCL / Japan Studies

Core Requirements

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

Elective Requirements

In addition student must complete 9 hours from the following
 courses:
 JPN 283 Japanese Film 3
 JPN 400G Topics in Japan Studies
 (Subtitle required) 3
 JPN 405 Seminar in Japanese and Asian Studies
 (Subtitle required) 3
 JPN 420G Pre-Modern Literary
 and Visual Arts of Japan 3
 JPN 421G Contemporary Literary
 and Visual Arts of Japan 3
 JPN 520 Japanese Linguistics and Society 3
 MCL 324 The City in the Twentieth-Century:
 Tokyo, Shanghai, Paris 3
 A-H 310 Asian Art and Culture (Subtitle required) 3
 A-H 311 The Arts as Soft Power:
 The Japanese Tea Ceremony 3
 HIS 295 East Asia to 1800 3
 HIS 296 East Asia Since 1600 3
 HIS 357 Japan at War, 1850 to the Present 3
 GEO/JPN 334 Environment, Society
 and Economy of Japan 3
 GEO/JPN 491 Japanese Landscapes 3
 GEO/JPN 551 Japanese Multicultural Corporations 3
 MCL 100 The World of Language 3
 MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
Total Elective hours 9

MCL / Russian Studies

Core Requirements

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

Elective Requirements

12 hours of additional course work taken from the following:
 Russian Studies (RUS) courses
 MCL 100 The World of Language 3
 MCL 200 Global Literacy 3
 MCL 375 Language Study Abroad
 or
 MCL 376 Cultural Studies Abroad
 or
 other Study Abroad courses approved by the Director
 of Undergraduate Studies 1-3
 At least 9 of the 12 credit hours must be in RUS or in Study
 Abroad courses
Total Elective hours 12
Total Hours Required: 18

NEUROSCIENCE

The Bachelor of Science degree program in Neuroscience provides undergraduate students with an opportunity to engage in the in-depth study of neuroscience from a uniquely interdisciplinary perspective. Students receive extensive exposure to fundamental and applied aspects of neuroscience through classroom and laboratory-based interactions with faculty members and research staff from several departments housed in the College of Arts and Sciences and Medicine,

including Biology, Anatomy and Neurobiology, and Psychology. The scope of training spans the entirety of of key topics in neuroscience and includes examination of biological systems ranging from cellular/molecular neuroscience; neurophysiology; neuroanatomy; and integrated neuroscience including behavior.

Bachelor of Science with a major in NEUROSCIENCE

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

PSY 100 Introduction to Psychology
or equivalent transfer 3-4

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 4

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 33

Graduation Composition and Communication Requirement (GCCR)

WRD 204 Technical Writing 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 Major Requirements</i>)	
b. Social Science	3
c. Humanities	3
III. Laboratory or Field Work	1
IV. Electives	6

College Requirement hours: 13-27

Premajor/Preprofessional 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	4
PSY 100 Introduction to Psychology	4

**Premajor/Preprofessional Requirement
hours: 25**

Program Core

BIO 302 Introduction to Neuroscience	3
BIO 305 Introduction to Neuroscience Techniques	4
*ANA 394 Independent Research in Neurobiology and Neuroscience or	
BIO 394 Research in Neuroscience or	
PSY 393 Research in Neuroscience	6
BIO 315 Introduction to Cell Biology or	
BCH 401G Fundamentals of Biochemistry or	
CHE 550/552 Biological Chemistry I/II	3-6
BIO 426 Neuroscience Seminar	1
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
PHY 211/213 General Physics	10
or	
PHY 231/232 General University Physics and	
PHY 241/242 General University Physics Laboratory	10
**WRD 204 Technical Writing	3

Program Core hours: 38-41

Guided Electives

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

A. Cellular/Molecular

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

B. Physiology

BIO 446 Neurophysiology Laboratory	3
*BIO 535 Comparative Neurobiology and Behavior	3

C. Neuroanatomy

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

D. Integrated

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

**Requires consent of instructor.*

Guided Elective hours: 12-14

Electives

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

**Total Minimum Hours
Required for Degree 120**

***Fulfills the Graduation Composition and Communication requirement.*

PHILOSOPHY

Philosophy encourages critical and systematic inquiry into fundamental questions of right and wrong, truth and falsehood, the meaning of life, and the nature of reality, knowledge, and society. More than any other discipline, philosophy explores the core issues of the Western intellectual tradition. With its emphasis on reason and argumentation, a philosophy major is an excellent preparation for a career in law or business.

Bachelor of Arts with a major in PHILOSOPHY

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

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

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

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

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

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

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

Graduation Composition and Communication Requirement (GCCR)
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*) 1

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 pages 130-131.

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

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

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

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

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

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

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

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

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

Graduation Composition and Communication Requirement (GCCR)
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*) 1

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 (9 hours) at the 300 level or above, excluding PHI 320 and PHI 399.

PHYSICS AND ASTRONOMY

The Department of Physics and Astronomy helps many students acquire a general understanding and appreciation of physics and astronomy. In the liberal arts tradition, the undergraduate curriculum is complete and flexible enough to allow a graduate with a major in physics to pursue a variety of careers. Many of our graduates continue their studies with graduate work in physics or other areas.

For the student interested in combining the study of physics with studies in other areas, the department can assist in the planning of an individual curriculum which meets **both** the minimum requirements of the Physics program and the student's needs and interests. Such planning is of particular value to students intending to pursue careers in engineering, computer science, applied physics, medicine, radiation medicine, biophysics, law, meteorology, oceanography, geophysics, environmental sciences, management, or the teaching of physics and/or physical science at the junior and senior high school levels. By working closely with an advisor, the student with special interests can take advantage of opportunities to take several other courses from one or more departments outside physics, or double major in physics and another area. For a description of suggested curricula, visit our Web site at:

www.pa.uky.edu/undergrad/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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

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*)

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

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 pages 130-131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

PHY 535 Advanced Physics Laboratory 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

II. Disciplinary Requirements

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

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

IV. Electives 6

College Requirement hours: 12-26

Premajor Requirements

*PHY 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 6

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 astrophysics. Students are encouraged, though not required, to enroll in AST 191, The Solar System, and AST 192, Stars, Galaxies and the Universe.

POLITICAL SCIENCE

The undergraduate program in Political Science allows students to pursue course work in four disciplinary fields:

- American Politics – define the American political system, including the high-demand sub-field of judicial politics and legal studies; study of the institutions, behavioral patterns, and public policies that define the American political system;
- Comparative Politics – study of the institutions, policies, and mass behaviors observed in political systems outside the United States, usually explored through comparison within or across regions of the world;
- International Relations – study of the international system as a whole, as well as of the actors (such as nation-states, corporations, and international organizations) who participate in shaping diplomatic, military, and economic outcomes within that system;
- and
- Theory/Methodology – study of the values, concepts, and analytical methods that shape how people evaluate political life.

Degree recipients take introductory course work in each of these four areas, then pursue advanced studies in one or more of the fields as determined by their interests and/or career goals.

In addition to conveying information about politics and government – necessary background for pursuing graduate work in political science and related fields – Political Science courses at UK

are designed to provide students with a broad liberal arts education. Graduates leave the program having cultivated their analytical abilities and having exercised their written and spoken communication skills. Such disciplinary training leads to a wide variety of careers, many of which have no direct political or governmental connection, but is particularly helpful in preparing students for careers such as law, policy analysis, governmental administration, diplomatic service, journalism, lobbying, and other sorts of political activity.

Currently the department offers two degree: a Bachelor of Arts and a Bachelor of Science. Most majors choose to pursue the B.A. The primary difference is that B.A. students must complete a minimum of 39 hours at the 300+ level, a requirement that students can fulfill using courses already needed for the major. Earning the B.S. degree, on the other hand, requires completing a minimum of 60 hours in natural, physical, mathematical, and computer sciences. Little of that course work fulfills other degree requirements.

Bachelor of Arts with a major in POLITICAL SCIENCE

120 hours (minimum)

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity	
Choose one course from approved list	3
II. Intellectual Inquiry in the Humanities	
Choose one course from approved list	3
III. Intellectual Inquiry in the Social Sciences	
*PS 230 Introduction to International Relations	3
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences	
Choose one course from approved list	3
V. Composition and Communication I	
CIS/WRD 110 Composition and Communication I	3
VI. Composition and Communication II	
CIS/WRD 111 Composition and Communication II	3
VII. Quantitative Foundations	
Choose one course from approved list	3
VIII. Statistical Inferential Reasoning	
Choose one course from approved list	3
IX. Community, Culture and Citizenship in the USA	
PS 101 American Government	3

X. Global Dynamics

PS 210 Introduction to Comparative Politics	3
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UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

WRD 304 Writing in the Social Sciences	3
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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 Requirements</i>)	6
c. Humanities (<i>choose 300+ level courses</i>)	6
III. Laboratory or Field Work (<i>completed by PS 372</i>)	
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 230 Introduction to International Relations	3
Field Four – Theory/Methodology	
PS 240 Introduction to Political Theory	
or	
PS 372 Introduction to Political Analysis	3
Premajor/Intro hours:	12

Major/Core Requirements

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

Disciplinary Courses

Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 399 may **not** be counted toward this requirement. Eligible courses span all four undergraduate fields:

Field One – American Politics

General American Politics Courses

PS 456G, 458, 470G, 471, 472G, 473G, 474G, 475G, 476G, 479, 480G, 484G, 489G, 557, 580

Courses on American Law and Courts

PS 360, 363, 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 6 hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) 6

From Outside the Major Department

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies 15

- AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)
 - ACC 407
 - AEC 324, 471, 479, 510, 532
 - AIS 228, 330
 - AN 300
 - ANT – 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534
 - APP 200
 - BSC – all 200+ level courses
 - COM 249, 449, 453
 - ECO – all 200+ level courses
 - EDC 326, 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, 520
 - MGT 340, 341
 - MKT 310, 340, 450
 - NRE – all 300+ level courses
 - PHI – all 200+ level courses
 - PSY – all 200+ level courses
 - RUS 371, 372
 - SOC – all 200+ level courses
 - SPA 312, 314
 - ST 500
 - STA – all 200+ level courses
 - SW 222, 320, 430, 505, 523, 571
 - WRD 204
- Major/Core hours: 39**

Electives

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

**Total Minimum Hours
Required for Degree 120**

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

**Bachelor of Science with a major in
POLITICAL SCIENCE**

120 hours (minimum)

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

ence degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

- I. Intellectual Inquiry in Arts and Creativity**
Choose one course from approved list 3
 - II. Intellectual Inquiry in the Humanities**
Choose one course from approved list 3
 - III. Intellectual Inquiry in the Social Sciences**
*PS 230 Introduction to International Relations 3
 - IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences**
Choose one course from approved list 3
 - V. Composition and Communication I**
CIS/WRD 110 Composition and Communication I 3
 - VI. Composition and Communication II**
CIS/WRD 111 Composition and Communication II 3
 - VII. Quantitative Foundations**
Choose one course from approved list 3
 - VIII. Statistical Inferential Reasoning**
Choose one course from approved list 3
 - IX. Community, Culture and Citizenship in the USA**
PS 101 American Government 3
 - X. Global Dynamics**
PS 210 Introduction to Comparative Politics 3
- UK Core hours: 30**

Graduation Composition and Communication Requirement (GCCR)

WRD 304 Writing in the Social Sciences 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

- I. Foreign Language (placement exam recommended) 0-14
 - II. Disciplinary Requirements
 - a. Natural Science 3
 - b. Social Science (completed by Premajor Requirements) 3
 - c. Humanities 3
 - III. Laboratory or Field Work (completed by PS 372) 6
 - IV. Electives 6
- College Requirement hours: 12-26**

Premajor/Introductory Requirements

- Field One – American Politics**
PS 101 American Government 3
 - Field Two – Comparative Politics**
PS 210 Introduction to Comparative Politics
 - Field Three – International Relations**
*PS 230 Introduction to International Relations 3
 - Field Four – Theory/Methodology**
PS 240 Introduction to Political Theory
or
PS 372 Introduction to Political Analysis 3
- Premajor/Intro hours: 12**

Major/Core Requirements

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

Disciplinary Courses

Students must take 18 additional credit hours of political science course work, of which at least 15 hours must be at the 300+ level. Note that PS 399 may not be counted toward this requirement. Eligible courses span all four undergraduate fields:

Field One – American Politics

General American Politics Courses
PS 456G, 458, 470G, 471, 472G, 473G, 474G, 475G, 476G, 479, 480G, 484G, 489G, 557, 580

Courses on American Law and Courts
PS 360, 363, 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 6 hours of PS courses (including 1-6 hours of PS 399) or approved courses from outside political science (see list below) 6

From Outside the Major Department

Choose 15 hours outside political science from the list below. You must take at least 6 hours from one department and 6 hours from another department. Special topics courses and other offerings related to the concentration may be substituted, subject to the approval of the Director of Undergraduate Studies 15

- AAS 200, 420 (also acceptable are AAS courses cross-listed with courses eligible to serve as Major Requirements)
- ACC 407
- AEC 324, 471, 479, 510, 532
- AIS 228, 330
- AN 300
- ANT – 220, 221, 324, 326, 327, 340, 375, 401, 433, 435, 532, 534
- APP 200
- BSC – all 200+ level courses
- COM 249, 449, 453
- ECO – all 200+ level courses
- EDC 326, 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, 520
- MGT 340, 341
- MKT 310, 340, 450

NRE – all 300+ level courses
 PHI – all 200+ level courses
 PSY – all 200+ level courses
 RUS 371, 372
 SOC – all 200+ level courses
 SPA 312, 314
 ST 500
 STA – all 200+ level courses
 WRD 204

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:

- 6 hours of 200 level courses, 3 hours of which must be either PS 210 or PS 230.
- 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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

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

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

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

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 35-36

Graduation Composition and Communication Requirement (GCCR)

Select one of the following (completed by Advanced Lecture/Lab):

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

Graduation Composition and Communication Requirement hours (GCCR) 4

College Requirements

I. Foreign Language (*placement exam recommended*) 0-14
 II. Disciplinary Requirements
 a. Natural Science (*partially completed by PSY 312; and to complete this requirement, consider PSY 456 as the Advanced Lecture/Lab or PSY 565 as the Capstone or PSY 393 or PSY 459 as electives*) 3
 b. Social Science (*completed by Premajor and Major Requirements*) 6
 c. Humanities 6
 III. Laboratory or Field Work (*completed by Premajor Requirement*) 6
 IV. Electives 6

College Requirement hours: 15-29

Premajor Requirements

*PSY 100 Introduction to Psychology 4
 or
 ^PSY 11- 3
 PSY 195 Orientation to Psychology 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, 320, 331, 333, †393, 394, 395, 399, †459, 558

From Outside the Major Department

Choose 14 hours outside Psychology at the 300+ level. 200+ level 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 393, PSY 456, PSY 459, and PSY 565, courses with a PSY prefix are generally not accepted towards fulfilling this 60-hour requirement. Therefore, be sure to keep this requirement in mind as you choose your course work for the requirements in the major. See the complete description of College requirements for a Bachelor of Science degree, including a specific listing of courses applicable to the 60-hour requirement, on pages 130-131.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

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

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

Choose one course from approved list 3

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

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

VII. Quantitative Foundations
Choose one course from approved list 3

VIII. Statistical Inferential Reasoning
PSY 215 Experimental Psychology 4
PSY 216 Applications of Statistics
in Psychology 4

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

X. Global Dynamics
Choose one course from approved list 3

UK Core hours: 35-36

Graduation Composition and Communication Requirement (GCCR)

Select one of the following (completed by Advanced Lecture/Lab):

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

Graduation Composition and Communication Requirement hours (GCCR) 4

College Requirements

I. Foreign Language (*placement exam recommended*) 0-14
II. Disciplinary Requirements
a. Natural Science (*completed by PSY 312*)
b. Social Science (*completed by Premajor Requirement*)
c. Humanities 3
III. Laboratory or Field Work (*completed by Premajor Requirement*) 6
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, 320, 331, 333, ††393, 394, 395, 399, ††459, 558

From Outside the Major Department

Choose 14 hours outside Psychology at the 300+ level. 200+ level 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.

††Course used toward completion of the College Natural Science requirement.

Minor in Psychology

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

Prerequisite Courses

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

Four of the following five courses:

PSY 223 Developmental Psychology 3
PSY 311 Learning and Cognition 3
PSY 312 Brain and Behavior 3
PSY 313 Personality and Individual Differences 3
PSY 314 Social Psychology and Cultural Processes 3

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 130.

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 30

Graduation Composition and Communication Requirement (GCCR)

SOC 302 Sociological Research Methods 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

College Requirement hours: 18-32

Premajor Requirements

Any two sociology courses at the 100 or 200 level (including CLD 102) 6

Premajor hours: 6

Major Core Requirements

SOC 302 Sociological Research Methods 3

SOC 303 Quantitative Sociological Analysis

or

PSY 216 Applications of Statistics in Psychology 3-4

SOC 304 Classical Sociological Theory 3

Major Core hours: 9-10

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

Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level 18

From Outside the Major Department

Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. 15

Other Major hours: 30

Electives

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

Total Minimum Hours

Required for Degree 120

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

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

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

UK Core Requirements

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

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

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

Choose one course from approved list 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

Choose one course from approved list 3

VIII. Statistical Inferential Reasoning

Choose one course from approved list 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours: 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

Any two sociology courses at the 100 or 200 level (including CLD 102) 6

Premajor hours: 6

Major Core Requirements

SOC 302 Sociological Research Methods 3

SOC 303 Quantitative Sociological Analysis

or

PSY 216 Applications of Statistics in Psychology 3-4

SOC 304 Classical Sociological Theory 3

Major Core hours: 9-10

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

Choose 18 hours of 300+ level Sociology courses, at least 6 of which must be at the 400+ level 18

From Outside the Major Department

Choose 15 hours outside Sociology at the 300+ level. Maximum of 3 hours of 200+ level courses used to satisfy College requirements can also be counted here. 15

Other Major hours: 30

Electives

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

Total Minimum Hours

Required for Degree 120

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

Minor in 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 302 Ethnographic Methods: Doing Anthropology

SW 450 Social Work Research

COM 365 Introduction to Communication

Research Methods 3-4

plus:

SOC 339 Introduction to Criminology 3

Minor Electives

9 hours from the following courses, 3 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 9 hours, students may take one course from the following:

PS 360 Politics of Law and Courts 3

PS 415G Comparative Judicial Politics 3

PS 437G Dynamics of International Law 3

PS 463G Judicial Politics 3

PS 465G Constitutional Law 3

GWS 430 Gender, Power and Violence 3

PSY 331 The Psychology of Adjustment 3

PSY 333 Abnormal Psychology 3

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.*

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

STATISTICS

The Department of Statistics at the University of Kentucky is concerned with three essential functions: teaching, research, and consulting in statistics.

The department does not offer an undergraduate degree, but students may elect to include statistics as part of a topical major or to minor in statistics. The program in mathematical sciences also includes several statistics courses. The Mas-

ter 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
 STA 296 Statistical Methods and Motivations
 STA 321 Basic Statistical Theory I
 STA 525 Introductory Statistical Inference 3

Complete one of the following:
 STA 281 Probability and Statistics
 Using Interactive Computer Techniques
 STA 320 Introductory Probability
 STA 524 Probability 3

plus
 STA 570 Basic Statistical Analysis 4

Complete one additional STA course approved by the Director of Undergraduate Studies 3-4

Complete one course from the student's area approved by the Director of Undergraduate Studies 3-4

Total Hours 16-18

WRITING, RHETORIC, AND DIGITAL STUDIES

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

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

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

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

120 hours (minimum)

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

UK Core Requirements

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

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

Graduation Composition and Communication Requirement (GCCR)

WRD 430 Advanced Workshop
 (Subtitle required) 3

Graduation Composition and Communication Requirement hours (GCCR) 3

College Requirements

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

College Requirement hours:

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**

INTERDISCIPLINARY MINORS

African American Studies

The minor in African American Studies provides students with an opportunity to examine the contributions of established academic disciplines towards the understanding of African peoples, particularly those peoples in the New World. It also provides a framework for research and analysis of issues which focus on African American experiences in artistic, literary, historical, and sociopolitical environments. The minor requires 21 hours of study as follows:

1. AAS 200 Introduction to African-American Studies
2. AAS 400 Special Topics in African-American Studies
3. AAS 401 Independent Reading and Research in African-American Studies
4. a. At least 6 hours of course work in the humanities (as approved by the African American Studies Committee). Among these are:

AAS/ENG 264 Introduction to Black Writers
 AAS/FR 263 African and Caribbean Literature and Culture of French Expression (Subtitle required)
 FR 504 Topics in French Literature and Culture (if appropriate)
 AAS/HIS 254 History of Colonial and Post-Colonial Africa
 AAS/HIS 260 African American History to 1865
 AAS/HIS 261 African American History 1865-Present
 AAS/HIS 360 Race and Sports in America
 HIS 585 The Age of Jim Crow, 1880-1930
 AAS/MUS 300 History of Jazz

4. b. At least 6 hours in the social sciences (as approved by the African American Studies Committee). Among these are:

AAS/ANT 326 People and Cultures of Sub-Saharan Africa
 AAS/EDC 550 Education in a Culturally Diverse Society
 AAS/GEO 336 Geography of Sub-Saharan Africa
 PS 417G Survey of Sub-Saharan Politics
 PS 461G Civil Liberties
 AAS/PS 471 Race, Ethnicity and Politics
 AAS/SOC 235 Inequalities in Society
 AAS/SOC 432 Race and Ethnic Relations
 AAS/SOC 433 Topics in Social Inequalities (Subtitle required)

NOTE: Courses in English and history are strongly recommended.

For further information, email aaas@uky.edu; 112 Breckinridge Hall 0056, (859) 257-2284. <https://aaas.as.uky.edu/>

American Studies

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

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

The minor requires 18 hours of study as follows:

1. IAS 301 Topics in American Culture
2. IAS 401 Perspectives in American Culture
3. Four additional courses (12 hours) from the following list of approved courses. No more than two courses (or 6 hours) may be taken in any one discipline:

Art History: A-H 342

Anthropology: ANT 221, ANT 342, ANT 470G, ANT 527, ANT 534

English: ENG 310, ENG 480G

Geography: GEO 320, GEO 321, GEO 322, GEO 490G

History: HIS 260, HIS 261, HIS 265, HIS 350, HIS 351, HIS 460, HIS 461, HIS 463, HIS 464, HIS 465, HIS 466, HIS 467, HIS 572, HIS 573, HIS 574, HIS 575, HIS 576, HIS 577, HIS 578, HIS 579, HIS 580, HIS 584, HIS 585, HIS 586

Linguistics: LIN 317

Music: MUS 206, MUS 222, MUS 300, MUS 301, MUS 506

Philosophy: PHI 514

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

MUS 301 Appalachian Music
 PS 456G Appalachian Politics
 SOC 343 Political Sociology (if appropriate)
 SOC 534 Sociology of Appalachia
 SOC 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: Appalachian Studies Director Shaunna Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwelton Court, 0347; (859) 257-6882.

<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. 15 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 Formal Semantics	
LIN 512 Analysis of English Syntax	
*LIN 513 Teaching English as a Second Language	
LIN 515 Phonological Analysis	
LIN 516 Grammatical Typology	
LIN 517 Special Topics in Linguistics (Subtitle required)	
LIN 519 Historical Linguistics	
PHI 320 Symbolic Logic I	
PHI 361 Biology and Society	
PHI 520 Symbolic Logic II (may not be combined with CS 375, 575, or 675)	
PHI 560 Philosophy of Scientific Method	
PHI 565 Philosophy of Language	
PHI 575 Philosophy of Mind	
*PSY 223 Developmental Psychology	
PSY 311 Learning and Cognition	
PSY 312 Brain and Behavior	
PSY 427 Cognitive Processes	
PSY 456 Behavioral Neuroscience	
PSY 552 Evolutionary Psychology	
PSY 562 Advanced Topics in Cognitive Psychology (Subtitle required)	
PSY 564 Advanced Topics in Learning (Subtitle required)	
PSY 565 Advanced Topics in Neuroscience (Subtitle required)	
*PSY 566 Advanced Topics in Social Psychology (Subtitle required)	

Of the 15 credit hours of courses from this list, (1) at least 6 credit hours must be in the same core discipline, where core disciplines are biology, computer science, linguistics, philosophy, and psychology; and (2) no more than 6 credit hours from any single discipline will count towards satisfaction of the requirement.

**Only by approval of the Director of Cognitive Science. The main criterion for approval will be the extent to which the course, as taught during the semester for which the student seeks cognitive science credit, contains a sufficient amount of materials relevant to cognitive science. The Director will make this determination by consultation with relevant faculty from the department teaching the course (including the instructor of the course), in conjunction with the criteria for course inclusion outlined on the Cognitive Science Web page.*

For more information, contact: Director Lawrence Gottlob, gottlob@uky.edu; 207N 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 3 credit hours from each of the ENS Areas of Expertise: Economics, Environment, Society		9

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	
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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 240, FOR 435, GEO 231, GEO 235, GEO 322, GEO 331, GEO 351, GEO 431, GEO 530, GEO 531, GEO 550, WRD 425	
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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	
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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) a well-rounded, multidisciplinary understanding of the culture and geography of India and of contemporary Indian society and politics; and (2) a high degree of preparedness to pursue careers in business or teaching that require knowledge of Indian society and its traditions.

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

12 hours of courses on India from anthropology, English, geography, linguistics, mathematics, philosophy, political science, sociology, and independent studies in India. Students choose from the following courses:	
ANT 327 Culture and Societies of India 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
*GWS 302 Gender Across the World (Subtitle required)	3
LIN 395 Independent Work	3
MA 330 History of Mathematics	3
*MUS 330 Music in the World (Subtitle required)	3
PHI 343 Asian Philosophy	3
PS 420G Governments and Politics of South Asia	3
SOC 380 Globalization: A Cross-Cultural Perspective	3
TA 584 Asian Theatre	3

**The subtitle for this course must directly relate to the field of Indian culture.*

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

For more information, contact: Professor Paul Karan, 817 Patterson Office Tower, (859) 257-6953; ppkaran@uky.edu

Jewish Studies

The interdisciplinary minor in Jewish Studies provides students with the opportunity to become acquainted with the culture, language, literature, religion, history, and philosophy of the Jewish people from antiquity to the present. For more information, visit:

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 6 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:

Premior Requirement

1. LAS 201 Introduction to Latin America 3

Minor Requirements

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

List of approved courses usually taught by affiliate faculty:

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

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

For more information, consult the Director of Latin American Studies.

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

UNDERGRADUATE CERTIFICATES

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

- Appalachian Studies
- Peace Studies

Undergraduate Certificate in Appalachian Studies

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

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

The 12-hour certificate program focuses on understanding the Appalachian region, particularly Appalachian Kentucky, in historical, social/cultural, physical, and comparative context. All students must: **1)** complete APP200, Introduction to Appalachian Studies (which also satisfies the UK Core requirement in U.S. citizenship); **2)** to satisfy an Appalachian engagement requirement (either through APP399, 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 APP399, the Appalachian Studies Practicum, or a course approved as the capstone experience by the Appalachian Studies Program Director.

Remaining courses may be chosen from the Appalachia-related course listings publicized on the Appalachian Studies Web site each term, or a student may propose additional courses with a rationale accepted by the Appalachian Studies Program Director. **Course work for the undergraduate certificate must be taken from within at least two colleges at UK.** This requirement is a significant offering of this certificate program, given the Appalachian Center and Appalachian Studies Program's service to the entire university community. The purpose of the requirement is to encourage students to explore curricular possibilities outside the college in which their major is administratively housed, in a program of study truly committed to interdisciplinary perspectives.

Appalachian Studies Curriculum

The Certificate in Appalachian Studies curricula are as follows:

- A minimum of 12 credits of course work taken for a letter grade.
- At least 12 credits must be 200 level or above, and a minimum of 6 credits must be at the 300-level or above.
- The student must complete a 3-credit breadth component. The breadth component requires that a student take courses in at least two colleges, with a minimum of three credits to be completed in a discipline other than the student's major.
- Student must earn a C or better in each required certificate course to receive the certificate.
- Certificates will only be awarded to students who successfully complete a degree, or have completed a four-year degree.
- No more than 9 credits taken for a certificate can be used to satisfy the requirements for the student's bachelor's degree, a minor, or another certificate, exclusive of free or unrestricted electives.

Examples of Programs of Study

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

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

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

APP 200 Introduction to Appalachian Studies	3
MUS 301 Appalachian Music	3
*ENG 450G Studies in American Literature (Subtitle required)	3
APP 399 Practicum	1-6
<i>*ENG 450G subtitle must focus on some aspect of Appalachian literature.</i>	

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

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

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

For more information, contact: Appalachian Studies Director Shaunna Scott, shaunna.scott@uky.edu; Room 204, 624 Maxwellton Court, 0347; (859) 257-6882. <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. Many avenues also exist for fruitful synergy between the Peace Studies program and a student's major and minor fields.

Program Requirements

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

Peace Studies Courses

*PCE 201 Introduction to Peace Studies 3

**PCE 410 Peace Studies Capstone Seminar 3

*Meets UK Core requirement for Inquiry in the Social Sciences

**Meets UK Core requirement for Citizenship-Global Dynamics

Peace Studies Electives

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

Focus Area I: Peacebuilding 0-6
Addresses systems and infrastructure needed to create more peaceful societies.

Focus Area II: Peacemaking 0-6
Addresses leadership skills, skills for resolving and transforming conflict.

Focus Area III: Promoting Understanding, Cooperation, and Development 0-6
Addresses cross cultural issues, international organizations, economic and social development.

Focus Area IV: Addressing Global and Regional Pressures 0-6
Addresses problems of population, scarcity, trade, sustainability, ecosystems, climate, and immigration.