



**College of  
Arts and Sciences**

**Bloomington Campus Supplement—May 2001**

**2000/02**

**Bulletin**

**INDIANA UNIVERSITY**

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## College of Arts and Sciences

Bloomington Campus Supplement—May 2001

# 2000/02 Bulletin

### Supplement to 2000-02 Bulletin

This 2001 supplement should be used in conjunction with the 2000-02 College of Arts and Sciences Bulletin. The supplement includes additions and changes made during the 2000-01 academic year.

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## Entering the College of Arts and Sciences

Although freshmen generally spend their first year in the University Division, the College of Arts and Sciences encourages them to visit departments in which they are interested to discuss possible programs with faculty members and academic advisors. Freshmen planning to earn bachelor's degrees in the College can begin to satisfy degree requirements in the first year.

**Declaring a Major in the College** Students who wish to earn a major in the College of Arts and Sciences must complete 26 credit hours of course work that can count toward a degree in the College with a minimum cumulative College of Arts and Sciences grade point average of 2.0. Students must also complete the English composition requirement. When students in the University Division have satisfied the entry requirements, they will be certified to the major department listed on their record. To declare or change the major listing, students in the University Division should see their freshman advisor or fill out a Change of Major form in the University Division Records Office, Maxwell Hall 006.

**Changing Majors** Once in the College of Arts and Sciences, students who wish to change their majors may do so by following the procedure stated in the "Change of Major" section of the 2000-02 College of Arts and Sciences Bulletin.

**Exploratory Students** Students wanting to pursue degrees in the College of Arts and Sciences, who have completed all requirements for certification but have not yet chosen a major, will be able to enter the College as exploratory students. (NOTE: Associate of Arts degree candidates may not enter the College as exploratory students.) Exploratory students receive academic advising directly from the College through an advisor assigned to the office of the Academic Assistant Deans in Kirkwood Hall 012. Students interested in this option should call (812) 855-1647 to set up an appointment. Note that students must declare and complete a major (for a bachelor's degree) or concentration (for an associate degree) in the College to render themselves eligible for graduation. Students may remain in this exploratory category no more than one year.

## Transfer Students

**Transfers from Other Undergraduate Schools on the Bloomington Campus** Students transferring to the College of Arts and Sciences from other undergraduate schools of the university, such as the Schools of Business, Education, or Music, must have completed at least 26 credit hours that can count toward a degree in the College with a minimum cumulative College of Arts and Sciences grade point average of 2.0. They also must have completed the English composition requirement. Engineering and technical courses, including courses from the School of Engineering and Technology, cannot be applied as credit toward a degree program in the College of Arts and Sciences. Students must bring to the College Recorder's Office (Kirkwood Hall 001) written approval from the department in which they wish to major before their request for transfer will be processed. Requests for transfer must be completed by July 1 for the fall semester, December 1 for the spring semester, or April 15 for the summer session.

**Transfers to and from Other Indiana University Campuses** At Indiana University, students can transfer easily from one campus of the university to another to continue their studies as degree candidates. Credits are evaluated on a course-by-course basis, but students generally find that most courses do transfer because of the similarity of course work on the eight campuses. Transferring students should note that the degree requirements may differ among the various campuses of Indiana University. Students who are eligible to transfer as degree candidates from one campus of Indiana University to another must meet the degree requirements of the degree-granting division of the campus from which they expect to graduate. Students who are planning to transfer to another campus are encouraged to contact the dean of their prospective school for additional information.

**Transfers from Other Indiana University Campuses to the College** Students transferring to the College of Arts and Sciences at Bloomington from other campuses of Indiana University must have completed at least 26 credit hours that can count toward a degree with a minimum cumulative College of Arts and Sciences grade point average of 2.0 and must have completed the English composition requirement. Students must indicate their intention to enter the College of Arts and Sciences at Bloomington by formal notice to the College Recorder's office at the campus at which they are enrolled no later than July 1 for the fall semester, December 1 for the spring semester, or April 15 for the summer session.

**Transfers from the College to Other Indiana University Campuses** Students enrolled in the College of Arts and Sciences at Bloomington who wish to attend another Indiana University campus should report to the College of Arts and Sciences Recorder's Office, Kirkwood Hall 001, to complete an Inter-College Transfer Form.

**Transfers from Other Colleges and Universities** Indiana University welcomes students who wish to transfer from other colleges or universities. Students who have completed less than one full year of academic course work will be considered for admission into the University Division. Students who have completed at least 26 credit hours that can count toward a degree in the College, a year of course work at another institution, and the English composition requirement may be given admission to the College of Arts and Sciences.

Applications for transfer admission are evaluated on the basis of a number of factors, including the following:

1. A minimum cumulative grade point average of 2.0 on a 4.0 scale. A higher GPA is required for certain majors. In addition, nonresidents of Indiana will be expected to have a considerably higher GPA for consideration.
2. A high school record showing satisfactory entrance units.
3. Evidence of good standing in the institution last attended.
4. Official transcripts of credits and grades earned in all subjects.

Applications for admission must be received in the Office of Admissions by July 1 for the fall semester, December 1 for the spring semester, or April 15 for the summer session.

Acceptance of credit from other institutions will be determined by the Office of Admissions, and the applicability of credit toward degree requirements in the College will be determined by the dean. Only credits earned at Indiana University will count toward a student's cumulative grade point average. Courses from other colleges and universities transfer as credit only, with the exception of courses that transfer into a student's major; the grades associated with these courses are factored into the student's major grade point average.

## Students with Learning Disabilities

Students who have, or believe they may have, a learning disability that affects their capacity to complete basic requirements for a degree in the College of Arts and Sciences should contact the Office of Disabled Student Services at (812) 855-7578 for information about services and accommodations.

## Degrees and Majors Offered

### Bachelor of Arts (B.A.)

The College of Arts and Sciences offers the Bachelor of Arts degree with the following majors:

Afro-American Studies  
 Anthropology  
 Biochemistry  
 Biology  
 Chemistry  
 Classical Civilization  
 (Art and Archaeology)  
 (Culture and Literature)  
 Classical Studies  
 (Latin and Greek)  
 Cognitive Science  
 Communication and Culture  
 Comparative Literature  
 Computer Science  
 Criminal Justice  
 East Asian Languages and Cultures  
 (Chinese, Japanese, and Korean)  
 East Asian Studies  
 Economics  
 English  
 Environmental Studies  
 (as part of a double major)  
 Folklore  
 French  
 Gender Studies  
 Geography  
 Geological Sciences  
 Germanic Studies  
 History  
 History of Art  
 Individualized Major Program  
 Italian  
 Jewish Studies  
 Linguistics  
 Mathematics  
 Microbiology

Music  
 Near Eastern Languages and Cultures  
 Philosophy  
 Physics  
 Political Science  
 Portuguese  
 Psychology  
 Religious Studies  
 Slavic Languages and Literatures  
 (Russian; others by special arrangement)  
 Sociology  
 Spanish  
 Speech and Hearing Sciences  
 Studio Art  
 Telecommunications  
 Theatre and Drama

For further information, refer to individual departmental descriptions and degree requirements. To locate departments, see the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Bachelor of Arts (B.A.) Interdepartmental Majors

The College of Arts and Sciences offers the Bachelor of Arts degree with the following interdepartmental majors:

Afro-American Studies and English  
 Afro-American Studies and History  
 Afro-American Studies and Sociology  
 Computer Science and Philosophy  
 Economics and Mathematics  
 Economics and Political Science  
 English and Afro-American Studies  
 History and Afro-American Studies  
 Mathematics and Economics  
 Philosophy and Computer Science  
 Philosophy and Political Science  
 Philosophy and Religious Studies  
 Political Science and Economics  
 Political Science and Philosophy  
 Psychology and Speech and Hearing Sciences  
 Religious Studies and Philosophy  
 Sociology and Afro-American Studies  
 Speech and Hearing Sciences and Psychology

For further information, refer to individual departmental descriptions and degree requirements. To locate departments, see the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Bachelor of Science (B.S.)

The College of Arts and Sciences offers the Bachelor of Science degree with the following majors:

Apparel Merchandising  
 Astronomy and Astrophysics  
 Biochemistry  
 Biology  
 Chemistry  
 Cognitive Science  
 Computer Science  
 Environmental Science  
 (jointly administered with SPEA)  
 Geography  
 Geological Sciences  
 Interior Design  
 Mathematics  
 Microbiology  
 Physics  
 Psychology  
 Speech and Hearing Sciences

For further information, refer to individual departmental descriptions and the degree requirements. Students planning to earn the B.S. degree should see an advisor in the department offering the major. To locate departments, see the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Bachelor of Fine Arts (B.F.A.)

The College of Arts and Sciences offers courses leading to the Bachelor of Fine Arts degree in the School of Fine Arts. For further information, refer to "Fine Arts" and the degree requirements that follow this section.

### Certificates

As part of completing the bachelor's degree and in addition to completing the requirements for the major, students may earn certificates in the following interdisciplinary areas:

African Studies  
 Animal Behavior  
 Central Eurasian Studies  
 Criminal Justice  
 Cultures of Science and Medicine (Department of History and Philosophy of Science)  
 Environmental Studies  
 India Studies  
 Jewish Studies  
 Latin American and Caribbean Studies  
 Liberal Arts and Management  
 Medieval Studies  
 Urban Studies

To locate departments, see the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

## Secondary Teacher Certification

Students who receive degrees in the College can, if they plan their course work carefully, receive certification to teach in secondary schools. Information on the requirements for secondary teacher certification may be found by referring to "Education" in the 2000-2002 College of Arts and Sciences Bulletin or to the School of Education Undergraduate Program Bulletin. Students should also contact the academic advisor in their major department for full details.

## General Requirements for Bachelor's Degrees

Academic counseling for each student in the College is provided by a faculty member or an academic counselor from the student's major department prior to each semester's enrollment. Although academic counseling is intended to provide effective guidance and students are encouraged to seek the counsel of their advisor, **students are responsible for planning their own programs and for meeting the following degree requirements for graduation.**

### Online Student Advising System (INSITE)

The online computerized student advising system is available to all students. Students should use this system to monitor their progress toward meeting degree requirements. Every fall and spring semester, printed copies of the advising report are distributed to students. Information about the Student Advising System is available in the *Schedule of Classes*, from academic advisors, from the College of Arts and Sciences Recorder's Office (Kirkwood Hall 001), and in a pamphlet available at the Computing Support Center (IMU 061).

### General Requirements

Students must complete a minimum of 122 credit hours to graduate. At least 100 credit hours **must** be earned in courses offered by the College of Arts and Sciences. Students may select the remaining 22 credit hours in the College or from courses outside the College.

**Exception:** Students satisfying requirements for a teaching certificate may take a maximum of 29 credit hours outside the College if the courses selected are required for teaching certification. See the School of Education section in the 2000-02 College of Arts and Sciences Bulletin.

1. The College will not accept certain types of credit, including engineering, technology, or self-acquired competency credits.

2. Students must have a minimum cumulative College of Arts and Sciences grade point average of 2.0 (C) in order to graduate. Any course taken to satisfy the requirements of the major must be completed with a minimum grade of C-, and the grade point average of all courses taken in the major must be at least 2.0 (C).
  3. Students must complete a minimum of 36 credit hours in courses at the 300/400 (junior-senior) level for the B.A. or B.F.A. degrees. Students must complete a minimum of 30 credit hours at the 300-400 (junior-senior) level for the B.S. degree.
  4. Students must take at least 25 College of Arts and Sciences credit hours in the major subject area. For B.A. programs, no major department may require more than 42 hours in the major. (This stipulation does not apply to the interdepartmental major.) However, especially for students considering graduate school, a maximum of 22 major hours taken in excess of 42 may be counted toward the 122-minimum hours required for the degree if the students have not exceeded the maximum of 22 hours allowable for courses outside the College. In no case may the total of outside hours and excess major hours exceed 22 hours.
  5. Every degree candidate must complete at least 26 credit hours of the work in senior status in residence on the Bloomington campus of Indiana University. At least 10 credit hours of course work in the major field of study must be completed on the Bloomington campus.
  6. Every degree candidate must satisfy the one Topics/Freshman Seminar course requirement.
- Recorder's Office, Kirkwood Hall 001, to determine which set of requirements, or what particular combination of old and current requirements, will be appropriate for the student.
2. Only elective courses may be taken on a Pass/Fail basis. For more information, see "Pass/Fail Option" under "Academic Regulations." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.
  3. No more than 60 credit hours earned in accredited junior colleges may be applied toward a degree.
  4. With permission of the dean of the College, course credit may be earned by satisfactory performance on departmentally approved examinations.
  5. No more than two courses taken by correspondence may be counted toward the 122 credit hours required for the bachelor's degree without special permission of the dean.
  6. Candidates for degrees must have all credit on record at least six weeks prior to the conferral of degrees, except that of the current semester.
  7. An application for a degree must be filed in the College Recorder's Office, Kirkwood Hall 001. This should be done no later than September 1 for May graduation, no later than December 1 for August graduation, and no later than March 1 for December graduation. Failure to file by these deadlines may delay graduation.
  8. Degrees are conferred in December, May, and August; commencement ceremonies are held in May and December. Candidates for degrees in August may participate in the May commencement.

### Academic Policies and Procedures

In planning their academic programs, students should be aware of the following policies and procedures of the College of Arts and Sciences:

1. With the exception of GradPact students (for more information, see "GradPact" in the "Index" in the 2000-02 College of Arts and Sciences Bulletin), the **degree requirements** that will apply to an undergraduate student pursuing a degree in the College of Arts and Sciences at Bloomington will be those in effect at the time he or she matriculated at Indiana University (any campus) as a degree-seeking student. Students admitted for the fall semester who elect to take courses in the preceding summer will be bound by the degree requirements in effect for the fall for which they are admitted. **A student who fails to complete a degree within eight years of matriculation will forfeit the automatic right to use the requirements in effect at the time of matriculation.** In such cases, students should contact their major advisor or the College

### Course Requirements Credit Hours

Course Requirements	Credit Hours
<b>Culture Studies Requirement</b> Two courses from List A or one course from List A and one course from List B	6
<b>Distribution Requirements</b>	
Arts and Humanities	12
Social and Historical Studies	12
Natural and Mathematical Sciences	12-20
<b>Fundamental Skills Requirements</b>	
Writing	
English Composition	3
Intensive Writing	3
Foreign Language	
Four-semester sequence	10-14
Mathematics	0-4
<b>Major Concentration</b>	25-42
<b>Electives</b>	7-61
<b>Total Credit Hours</b>	122

### Culture Studies Requirement

Students must observe the following guidelines when fulfilling the culture studies requirement:

1. Students are required to complete two courses that carry culture studies credit.
2. Students must complete one course from List A (see "Appendix I").
3. Students must take another course either from List A or from List B (see "Appendix I").
4. Students who successfully complete an academic year abroad in a program sponsored by the Indiana University Office of Overseas Study will satisfy the culture studies requirement through the course work they take on the year-long program.

### Distribution Requirements

Specially designated courses that count for distribution requirements are classified in the following areas:

- A. Arts and Humanities (A & H)
- B. Social and Historical Studies (S & H)
- C. Natural and Mathematical Sciences (N & M)

Specific courses that fulfill distribution requirements are designated by abbreviations following the course titles. (See symbols in parentheses above.) A complete list of courses that fulfill the distribution requirements is located in "Appendix II." Courses designated in prior bulletins as AHLA and AHTI satisfy A & H requirements. Courses designated in prior bulletins as SHSI and SHHS satisfy S & H requirements. Courses designated in prior bulletins as NMNS and NMMC satisfy N & M requirements.

A special category of distribution courses called Topics/Freshman Seminar is offered primarily for freshmen and sophomores.

## Course Requirements for the Bachelor of Arts

The course requirements for the B.A. degree are summarized here to provide an overview of the program. Students must also complete the general requirements for bachelor's degrees and the B.A. requirements described on the following pages (fundamental skills, distribution, culture studies, major concentration). Students may test out of all but 3 credit hours (Intensive Writing) of the fundamental skills requirement. Requirements completed in one area may, under certain conditions, also fulfill requirements in other areas. See section on "Foreign Language" regarding credit in foreign language study. The requirement for the major ranges from 25 to 42 credit hours, depending on the department.

College of Arts and Sciences E103, S103, and S113 count in the arts and humanities distribution requirement; College of Arts and Sciences E104, S104, and S114 count in social and historical studies; College of Arts and Sciences E105, S105, and S115 count in natural and mathematical sciences.

Any student who matriculates in the summer of 2001 or subsequently and who is a candidate for any bachelor's or associate degree offered by the College of Arts and Sciences is required to complete one Topics/Freshman Seminar course: choose one from COAS E103, E104, E105, S103, S104, S105, S113, S114, or S115. Students are encouraged to take this course in their first year; in any case, they should plan to take their Topics/Freshman Seminar course no later than the first semester of their second year. Students who transfer from other institutions, from other IU campuses, or from other IU Bloomington schools must also successfully complete one Topics/Freshman Seminar course.

To ensure that they gain a rich and varied education, the College requires students to complete 12 courses for distribution requirements. These 12 courses must be distributed according to the following rules:

1. Students must complete one Topics/Freshman Seminar course as specified above.
2. Students must complete four designated courses in the arts and humanities, four designated courses in social and historical studies, and four designated courses in natural and mathematical sciences. The appropriate Topics/Freshman Seminar course will count as one of the required courses in that area.

### Arts and Humanities

Distribution courses in this area help students think about the complexity of human experience, appreciate the range of human thought and emotion, learn about varieties of aesthetic expression, and grapple with moral issues. To determine which courses fulfill this requirement, students must check the appropriate course descriptions in this Supplement and/or the 2000-2002 College of Arts and Sciences Bulletin. Courses that fulfill the Arts and Humanities distribution requirement are designated by the symbol **A & H (or AHLA or AHTI)** following the course titles.

### Social and Historical Studies

Distribution courses in this area analyze social institutions, the behavior of individuals in social contexts and historical settings, and changes in social conditions over time. Students are introduced to theories and methods for studying social experience and behavior. To determine

which courses fulfill this requirement, students must check the appropriate course descriptions in this Supplement and/or the 2000-2002 College of Arts and Sciences Bulletin. Courses that fulfill the Social and Historical Studies distribution requirement are designated by the symbol **S & H (or SHSI or SHHS)** following the course titles.

### Natural and Mathematical Sciences

Distribution courses in this area provide an appreciation of the physical and biological environment, introduce students to systematic investigation of that environment, show the value of experimental methods for understanding natural laws, and explore the role and methods of the mathematical sciences. To determine which courses fulfill this requirement, students must check the appropriate course descriptions in this Supplement and/or the 2000-2002 College of Arts and Sciences Bulletin. Courses that fulfill the Natural and Mathematical Sciences distribution requirement are designated by the symbol **N & M (or NMNS or NMMC)** following the course titles.

A complete list of courses that fulfill distribution requirements is located in "Appendix II."

## Fundamental Skills Requirements

Students must meet requirements in writing, mathematics, and foreign language.

### Writing

Students must complete English composition and intensive writing requirements.

**English Composition** This part of the writing requirement may be fulfilled in any one of the following ways:

1. Exemption without credit. Students scoring 670 or above on the SAT Verbal Examination, or 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section, are exempt from English composition.
2. Exemption with credit. Some students have an opportunity to receive College of Arts and Sciences credit. A student will be granted 2 credit hours of English W143 if the student has
  - a. a score of 670 or above on the SAT Verbal Examination, or 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section. **PLUS**
  - b. a score of 660 or better on the SAT II English Writing Test, AND if the student applies to the Department of English in

Ballantine Hall 442. Students should also see "Special Note" under "Credit by Examination." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

3. Completion of any of the following options with a grade of C- or better:
  - a. English W110 (primarily for Collins cluster students) (3 cr.)
  - b. English W131 (3 cr.)
  - c. English W170 (3 cr.)
  - d. English L141 and L142 (4-4 cr.)
  - e. Afro-American Studies A141-A142 (4-4 cr.)
  - f. Two semesters of English W143 (1 cr.), combined with two introductory courses (3 cr.) from the following: Comparative Literature C145, C146; Slavic Languages and Literatures R145, R146.
  - g. A combination of any two courses from (d), (e), and (f) above.

**Note:** Courses taken under these options, except for English W110, W131, W143, and W170, may, if they are so designated, be applied toward distribution requirements.

**Intensive Writing** This part of the writing requirement may be fulfilled by completing one intensive writing course at or above the 200 level after completing the English composition requirement. Normally, intensive writing sections are taught by faculty in small sections or by individual arrangement and include a series of written assignments evaluated with close attention to organization and expression as well as to substance and argument. Graded revision of assignments is a requirement of all intensive writing courses and of all special arrangements for intensive writing. **Students must check the listings for courses in the Schedule of Classes each semester to make certain the course section they have chosen fulfills the requirement.** Students seeking to arrange an individual intensive writing component for a course or section that is not listed as intensive writing must contact the faculty director of undergraduate studies of the department of their major concentration prior to the semester during which they wish to enroll for intensive writing. All special arrangements are subject to the approval of the College. Intensive writing credit will not normally be awarded for written work in courses not listed as intensive writing unless arrangements are completed and approved in advance. Designated intensive writing courses also may be counted toward fulfilling other College of Arts and Sciences degree requirements (e.g., distribution, major, 300/400-level).

### Foreign Language

Students pursuing the B.A. or B.F.A. degrees must complete the study of a single foreign

language through the second semester of the second year of college-level course work. (See departmental listings in this bulletin for B.S. foreign language requirements. Note also that the second semester of the second year of American Sign Language is numbered as Speech and Hearing Sciences A300.) All or part of this requirement may be fulfilled by performance on placement examinations. Completion of high school foreign language courses will not be accepted as a basis for exemption. Students may fulfill the entire foreign language requirement by placing into the third-year level. With the permission of the College, international students may fulfill the foreign language requirement through demonstrated proficiency in their native languages. International students interested in this option should contact the Office of the Academic Assistant Deans, Kirkwood Hall 012, as early in their undergraduate careers as possible.

**Special Credit Option** Students whose scores on the language placement exam place them in or beyond the third semester of language study may be eligible for special credit in some languages. Students must apply for the special credit, and the following rules apply:

1. Students who earn exemption from one or more semesters may be eligible for special credit toward graduation. Students earning exemption from the first or second semester of foreign language study may receive 4 or 8 credit hours of special credit in some languages when they apply.
2. Students earning exemption from the third or fourth semesters may receive 3 or 6 hours of additional special credit only if they complete a specified language course at the level at which they place. Students may fulfill the entire foreign language requirement by placing into the third-year level without enrolling in an additional course.
3. International students may not earn credit or be awarded special credit for any courses at the first- or second-year level in their native languages.

See also "Credit by Examination" and "Foreign Languages, Placement." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

**Foreign Language Courses** Course sequences that fulfill the foreign language requirement may be offered in the languages listed below. Students should consult the departmental course descriptions for specific courses. To locate departments that offer these languages, see the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

American Sign Language (Department of Speech and Hearing Sciences)

Arabic  
 Chinese-Mandarin  
 Croatian  
 Czech  
 Dutch  
 Estonian  
 Finnish  
 French  
 German  
 Greek  
 -Classical  
 -Modern  
 Hausa  
 Hebrew  
 -Biblical  
 -Modern  
 Hindi  
 Hungarian  
 Italian  
 Japanese  
 Korean  
 Lakota (Sioux)  
 Latin-Classical  
 Mongolian  
 Persian  
 Polish  
 Portuguese  
 Romanian  
 Russian  
 Sanskrit  
 Serbian  
 Spanish  
 Swahili  
 Tibetan  
 Turkish  
 Twi  
 Uzbek  
 Yiddish  
 Zulu

### Mathematics

Students must demonstrate mastery of a fundamental skill in mathematics, which is defined as a level of proficiency equivalent to three years of high school math. This proficiency is needed for study in many courses throughout the College of Arts and Sciences curriculum. Students may demonstrate mastery of a fundamental skill in mathematics in any one of the following three ways:

1. Earning minimum math test scores of 650 on the SAT exam or 29 on the ACT exam.

2. Completing MATH M025 with a minimum grade of C-. (Note that MATH M025 does not carry hours of credit toward a degree program in the College.)
3. Completing with a minimum grade of C- or being exempted from MATH A118, M118, M119, M211 or M215, M213 or M217, D116 and D117 (both courses must be successfully completed), X118, or math courses that directly presuppose the fundamental skill proficiency.
4. Students entering the College who have scored below 400 on the SAT mathematics section or below 20 on the ACT mathematics sections are advised to enroll in MATH M014 before fulfilling the mathematics requirement.
5. Students with incomplete records can take a placement test administered by the Department of Mathematics.
6. Students may be exempted from the mathematics requirement through CEEB Advanced Placement tests in calculus or through departmental examinations. Students who pass a departmentally administered examination may be eligible for special credit. For information about applying for these credit hours, refer to "Credit by Examination." (See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.)

## Major Concentration Requirements (B.A.)

Students have three options for fulfilling the major concentration requirements for the B.A. degree: major, double major, or inter-departmental major. Detailed requirements are to be found in the departmental statements in the 2000-02 College of Arts and Sciences Bulletin. Some departments require students to complete a minor in addition to the major. Some of the rules below also apply to minors.

1. At least 25 College of Arts and Sciences credit hours must be taken in the major subject area.
2. The 100-level courses in French, German, Italian, Latin, Portuguese, Russian, and Spanish will not count toward a major or minor in these languages.
3. Any course in which the student receives a grade below C- may not be used to fulfill a major or minor requirement. Courses in which the student receives a D- or higher, however, will count toward the 122 credit hour total.
4. Courses taken to satisfy the English composition fundamental skills requirement (W110, W131, W143, or W170) may not be

applied toward a major or minor requirement.

5. The grade point average of all courses taken in the major must be at least 2.0.
6. Students must take at least 25 College of Arts and Sciences credit hours in the major subject area. For B.A. programs, no major department may require more than 42 hours in the major. (This stipulation does not apply to the interdepartmental major.) However, especially for students considering graduate school, a maximum of 22 major hours taken in excess of 42 may be counted toward the 122-minimum hours required for the degree if the students have not exceeded the maximum of 22 hours allowable for courses outside the College. In no case may the total of outside hours and excess major hours exceed 22 hours.
7. The residence requirement of at least 10 credit hours in the major at Bloomington must be met.

**Double Major** The College offers a double major for the B.A. degree with the following requirements:

1. At least 25 College of Arts and Sciences credit hours must be taken in each major.
2. The residence requirement of at least 10 credit hours in each major at Bloomington must be met.
3. Students must have two advisors, one from each department in which they propose to study.
4. The program of studies must be approved by the College of Arts and Sciences, Kirkwood Hall 001.
5. With approval of both departments and the College, one course may be cross-listed in both majors.

Students interested in having a third completed major recognized at the point of graduation should contact the College Recorder's Office, Kirkwood Hall 001, for further information.

**Interdepartmental Major** Interdepartmental majors are available in some disciplines for students who are pursuing a Bachelor of Arts degree and who wish to combine two disciplines or subjects into an interdepartmental concentration area. Such students are required to complete a minimum of 40 credit hours in the interdepartmental major. For Interdepartmental Majors, no program may require more than 62 hours in the major. However, especially for students considering graduate school, a maximum of 22 major hours taken in excess of 62 may be counted toward the 122-minimum hours required for the degree if the students have not exceeded the maximum of 22 hours allowable for courses outside the College. In no case may the total of

outside hours and excess major hours exceed 22 hours.

The following interdepartmental majors are available; students should consult the appropriate departmental listing for details: Afro-American Studies and English, Afro-American Studies and History, Afro-American Studies and Sociology, Computer Science and Philosophy, Economics and Mathematics, Economics and Political Science, English and Afro-American Studies, History and Afro-American Studies, Mathematics and Economics, Philosophy and Computer Science, Philosophy and Political Science, Philosophy and Religious Studies, Political Science and Economics, Political Science and Philosophy, Psychology and Speech and Hearing Sciences, Religious Studies and Philosophy, Sociology and Afro-American Studies, and Speech and Hearing Sciences and Psychology.

## College of Arts and Sciences Optional Minors

Many departments in the College of Arts and Sciences offer minors of at least 15 College of Arts and Sciences credit hours. Students majoring in one department (e.g., English) may satisfy the requirements for a minor in a different department (e.g., Religious Studies). A student may also have more than one minor. Students' majors and minors may be listed on their transcripts. Students planning to complete a minor should obtain an Application for Minor form from the department in which they wish to complete a minor. This form must be completed, signed by an advisor or the chairperson of the student's minor department, and returned to the Recorder's Office, Kirkwood Hall 001.

Two departments (Spanish and Portuguese; Psychology) **require** that students in those departments complete a minor in a different department. Students with a major in those departments should check with the advisor in their major department about requirements for the minor. For students majoring in other departments, the minor is optional.

The following minors are available in the College of Arts and Sciences:

Afro-American Studies  
 American Studies  
 Animal Behavior  
 Anthropology  
 Apparel Merchandising  
 Astronomy and Astrophysics  
 Biology  
 Chemistry

Classical Civilization  
 Cognitive Science  
 Communication and Culture  
 Comparative Literature  
 Computer Science  
 Criminal Justice  
 Dutch Studies (Department of Germanic Studies)  
 East Asian Languages  
 East Asian Studies  
 Economics  
 Economics and Political Science  
 English  
 Folklore  
 French  
 Gender Studies  
 Geography  
 Geological Sciences  
 Germanic Studies  
 Greek (Department of Classical Studies)  
 History  
 History and Philosophy of Science  
 History of Art (Department of Fine Arts)  
 India Studies  
 Information Technology (Department of Computer Science)  
 International Studies (International Studies Program)  
 Italian  
 Latin (Department of Classical Studies)  
 Latin American and Caribbean Studies  
 Linguistics  
 Mathematics  
 Medieval Studies  
 Music  
 Near Eastern Languages and Cultures  
 Philosophy  
 Physics  
 Political Science  
 Political Science and Economics  
 Portuguese  
 Psychology  
 Religious Studies  
 Russian and East European Studies  
 Russian and East European Studies with Language Certification  
 Slavic Languages and Literatures  
 Social Science and Medicine (Department of Sociology)  
 Sociology  
 Sociology of Work and Business  
 Spanish  
 Speech and Hearing Sciences

Speech and Hearing Sciences (Pre-professional)  
 Studio Art (School of Fine Arts)  
 Telecommunications  
 Theatre and Drama  
 West European Studies  
 Yiddish

## Completing Minor Requirements

In completing requirements for minors, students should be aware of the following College of Arts and Sciences policies and procedures:

1. A minor must consist of 15 or more credit hours in College of Arts and Sciences courses.
2. The 100-level courses in French, German, Italian, Latin, Portuguese, Russian, and Spanish will not count toward a minor in these languages. Consult the lists of requirements for individual minors to see which 200-level courses will count toward a minor in each language.
3. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement.
4. The grade point average of all courses taken in fulfillment of minor requirements must be at least 2.0.
5. Courses taken to satisfy the English composition requirement (W110, W131, W143, or W170) may not be applied toward a minor requirement.
6. Students majoring in Portuguese, Psychology, and Spanish must consult the advisor in their major department about requirements for a minor.
7. Some minors have an overall grade point average requirement. See lists of requirements for specific minors for more information.
8. A student may complete up to three minors.

For specific minors, see departmental statements.

## Associate of Arts Degree (A.A.)

### General Requirements

1. Students must complete 61 credit hours to graduate, including general-education courses (including one Topics/Freshman Seminar course), a concentration (a set of courses in a single College of Arts and Sciences discipline), and elective courses.

No more than 6 credit hours can be taken outside of the College of Arts and Sciences.

2. Students must have a minimum cumulative College of Arts and Sciences GPA of 2.0 in order to receive the Associate of Arts degree. The student's GPA in the concentration, which consists of at least 15 credit hours in a single College of Arts and Sciences department or program (see description of "Course Requirements" below), must be 2.0 or higher. No course completed with a grade lower than C- can count toward the concentration.
3. Students must complete at least 30 credit hours in residence in the Indiana University system, including at least 20 credit hours at or above sophomore standing at IU Bloomington. A minimum of 13 credit hours must be completed once the student has been admitted to candidacy for the A.A. degree. A minimum of 5 credit hours in the concentration must be completed in residence at IU Bloomington. No more than 30 credit hours can be transferred from accredited junior colleges.
4. Only elective courses may be taken on a Pass/Fail basis. For more information, see "Pass/Fail Option" under "Academic Regulations" in the "Index" in the College of Arts and Sciences Bulletin.
5. No more than one course taken by correspondence may be counted toward the 61 credit hours required for the A.A. degree without special permission of the dean.
6. A student cannot be simultaneously enrolled in a baccalaureate degree program in the College of Arts and Sciences and an A.A. program in the College of Arts and Sciences. Under certain circumstances, a candidate for a degree in another school can obtain an A.A. degree in the College of Arts and Sciences; further information can be obtained from an academic assistant dean in the College of Arts and Sciences.
7. For A.A. degrees, no department may require more than 25 hours in the concentration. However, for students considering continuation to a Bachelor of Arts degree, a maximum of 6 major hours taken in excess of 25 may be counted toward the 61-minimum hours required for the degree if the students have not exceeded the maximum of 6 hours allowable for courses outside the College. In no case may the total of outside hours and excess major hours exceed 6 hours.
8. Students must complete at least 6 credit hours at the 300-level or above.
9. The IU Bloomington A.A. degree requirements that are in effect at the time the student matriculates at Indiana University (at any campus) as a degree-seeking student will be the ones that apply to a student pursuing an A.A. degree in the College of Arts and Sciences at Bloomington. A student who fails to complete the A.A. degree within four years of matriculation will forfeit the automatic right to use the requirements in effect at the time of matriculation. Students who move from the A.A. program to a bachelor's degree program in the College of Arts and Sciences (whether or not they have completed the associate degree) will be allowed to use the B.A., B.S., or B.F.A. requirements in effect at the time they matriculated at IU (any campus) as an A.A. candidate. However, a student who fails to complete a bachelor's degree within eight years of matriculation as an A.A. student forfeits the automatic right to use the bachelor's degree requirements in effect at the time of matriculation.

**Course Requirements (A.A. degree)****Fundamental Skills Requirements****English Composition:**

Exemption of English composition can be with or without credit, as outlined for the B.A. program in the College of Arts and Sciences Bulletin, or completion of any of the following options with a minimum grade of C-. (The expectation that this requirement can be met with 3 credit hours of course work is based on the assumption that most students will choose W131 to fulfill the requirement; if students choose an option that requires more than 3 credit hours of course work, they may need more than a total of 61 credit hours to complete an A.A. degree.)

Completion of any of the following options with a minimum grade of C-:

English W110 (primarily for Collins cluster students) (3 cr.); English W131 (3 cr.); English W170 (3 cr.); English L141 and L142 (4-4 cr.); Afro-American Studies A141-A142 (4-4 cr.); two semesters of English W143 (1 cr.), combined with two introductory courses (3 cr.) from the following: Comparative Literature C145, C146; Slavic Languages and Literatures R145, R146. Or a combination of any two courses from English L141 and L142 (4-4 cr.), Afro-American Studies A141-A142 (4-4 cr.), two semesters of English W143 (1 cr.), combined with two introductory courses (3 cr.) from the following: Comparative Literature C145, C146; Slavic Languages and Literatures R145, R146.

Note: Courses taken under these options, except for English W110, W131, W143, and W170, may, if they are so designated, be applied toward distribution requirements.

**Mathematics:**

Exemption with or without credit, as outlined for the B.A. program in the College of Arts and Sciences Bulletin, or completion of any of the following courses with a minimum grade of C-:

Mathematics A118, M118, M119, M211 or M215, M213 or M217, D116 and D117 (both courses must be successfully completed), or X118, or Mathematics courses that directly presuppose the fundamental skill proficiency.

(Students with deficiencies in mathematics should take M025, which will fulfill the fundamental skill requirement for the A.A. degree. Students who are not prepared for M025 should take M014 before taking M025; neither M025 nor M014 carries degree credit.)

**Foreign Language:**

Proficiency equivalent to two semesters of college-level study in a single foreign language. All or part of this requirement may be fulfilled by performance on placement examinations. Completion of high school foreign language courses will not be accepted as a basis for exemption. Students who earn exemption from one or more semesters of a single foreign language may be eligible for special credit toward graduation. Students earning exemption from the first or second semester may receive 4 or 8 credit hours of special credit in some languages when they apply. For complete information, consult "Language Placement Tests." (See the "Index" of the 2000-02 College of Arts and Sciences Bulletin.) Students may fulfill the entire A.A. foreign language requirement and apply for 8 credit hours in some languages by placing into the second-year level of instruction without enrolling in an additional foreign language course.

**Distribution Requirements**

(NOTE: Students must successfully complete one Topics/Freshman Seminar course as part of their distribution requirements. If students take COAS E103, S103, or S113, then only two more appropriate courses in A & H are required. If students take COAS E104, S104, or S114, then only two more appropriate courses in S & H are required. If students take COAS E105, S105, or S115, then only two more appropriate courses in N & M are required.)

**Arts and Humanities: (A & H)**

**Social and Historical Studies: (S & H)**

**Natural and Mathematical Sciences: (N & M)**

(NOTE: Students are advised to choose N & M courses that carry 3 or 4 credits. If they choose courses that carry 5 credit hours, they may require more than 61 credit

**Credit Hours**

6-17

0-3

0-4

4-8

27-29

9

9

9-11

hours to complete the A.A. degree, depending on the credit hours required to fulfill the foreign language requirement and whether they can be exempted from English composition or mathematics requirements without course work.)

These are the same areas of distribution used for the B.A. degree. See the B.A. degree requirements in this bulletin for details. For the A.A. degree, students are required to take three of the four courses in each area required for the B.A. In addition, students who want to obtain a B.A. from IU Bloomington are advised to choose two courses for distributional requirements that will simultaneously fulfill the culture studies requirement.

**Courses in Concentration**

For a concentration, students must take at least 15 credit hours in a single College of Arts and Sciences discipline that grants a minor of 15 credit hours or more for B.A. degrees and that grants a B.A. in the same area (see list below under "Degrees and Majors Offered" for available A.A. concentrations; this list includes the vast majority of minors); the specific course requirements for the concentration will be the same as the specific course requirements for an undergraduate minor in the College of Arts and Sciences.

(Note: Most minors require 15 credit hours in College of Arts and Sciences courses, hence the expectation that the concentration can be fulfilled with 15 credit hours in the College of Arts and Sciences. Students who opt for a concentration/minor that requires more than 15 credit hours in College of Arts and Sciences courses may require more than 61 credit hours to complete the A.A. degree.)

**Electives****Total**

15

2-15

61

**Associate of Arts (A.A.)**

The College of Arts and Sciences offers the A.A. degree with the following majors:

Afro-American Studies

Anthropology

Biology (Only the biology minor for science majors is available as an A.A. concentration.)

Chemistry

Classical Civilization

Classical Studies: Greek

Classical Studies: Latin

Cognitive Science

Communication and Culture

Comparative Literature

Computer Science (A.A. for minor in Computer Science only—no A.A. available for Information Technology.)

Criminal Justice

East Asian Languages

East Asian Studies

Economics (requires mathematics preparation)

English

Folklore

French (requires language preparation)

Gender Studies

Geography

Geological Sciences

Germanic Studies (requires language preparation)

History

History of Art

Italian (requires language preparation)

Linguistics

Mathematics (requires mathematics preparation)

Music (careful sequential ordering required)

Near Eastern Languages and Cultures (three A.A. tracks: Arabic, Hebrew, Persian)

Philosophy

Physics

Political Science

Portuguese (requires language preparation)

Psychology

Religious Studies

Slavic Languages and Literatures (requires language preparation)

Sociology (Sociology minor only—no A.A. available for minor in Work and Business or for minor in Social Science and Medicine)

Spanish (requires language preparation)

Speech and Hearing Sciences

Studio Art

Telecommunications

Theatre and Drama

## Courses Outside the College of Arts and Sciences

A candidate for a bachelor's degree in the College of Arts and Sciences must satisfactorily complete a minimum of 100 credit hours in courses offered by the College. School of Music courses in history, literature, composition, and theory of music may be counted among the 100 credit hours inside the College of Arts and Sciences.

Students may select the remaining 22 credit hours from courses in the College of Arts and Sciences and/or from courses outside the College. The College will not accept certain types of credit, including engineering, technology, or self-acquired competency credits.

Students satisfying requirements for a teaching certificate may take a maximum of 29 credit hours outside the College if the courses selected are required for teaching certification.

## Student Information

### Program Planning and Counseling Guidelines

The experience of faculty advisors and of successful students suggests the following guidelines for effective planning of undergraduate programs.

#### Requirements

Students should be thoroughly familiar with the sections in this bulletin entitled "General Requirements for Bachelor's Degrees" and "Academic Regulations" and with the sections on completing fundamental skills, distribution, culture studies, and major concentration requirements. (See "Index" in the 2000-02 College of Arts and Sciences Bulletin.)

#### Advisors

Students should seek an appointment with an advisor in their major department on or before the dates established by the university calendar for academic counseling. In such conferences, students should, as a minimum objective, make certain that they understand the requirements for successful completion of the area requirements and that they have made an appropriate plan for the next semester. (See "Online Student Advising System" section in the 2000-02 College of Arts and Sciences Bulletin.)

The Health Professions Prelaw Information Center, in Maxwell Hall 021, (812) 855-9766, will assist students planning to seek admission to the Schools of Law, Medicine, Dentistry, Nursing, and Allied Health Sciences.

#### Student Responsibility

Students should understand that the responsibility for making an appropriate academic program and for meeting every degree requirement rests with them; faculty advisors and academic counselors are obligated only to assist students in meeting this responsibility. Each semester, students are responsible for obtaining from their major department a copy of their Academic Progress Report. Students needing clarification of any of the requirements for their bachelor's degree or of any information on their Academic Progress Report are urged to obtain that clarification from their faculty advisor, from their academic counselor, or from the Recorder's Office in the College. Requests for deviation from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or their respective administrative representative). Disposition at each level is final.

#### Suggested Program for Arts and Sciences Freshmen

Students should complete their mathematics and English composition fundamental skills and one Topics/Freshman Seminar course during their freshman year. The following program is suggested only as a general guide. Students should see their advisor before determining a schedule.

##### First Semester

- English Composition or Mathematics requirement (3-4 cr.)
- Foreign Language (3-4 cr.)
- One Topics/Freshman Seminar course or other distribution or Culture Studies requirement (6 cr.)
- Elective or course in major (3 cr.)

##### Second Semester

- English Composition or Mathematics requirement (3-4 cr.)
- Foreign Language (3-4 cr.)
- One Topics/Freshman Seminar course or other distribution or Culture Studies requirement (6 cr.)
- Elective or course in major (3 cr.)

#### Students with Learning Disabilities

Students with a learning disability, hearing impairment, speech impairment, or any other disability that may affect their ability to fulfill a requirement of the College should contact the Office of Disabled Student Services,

Franklin Hall 096, (812) 855-7578, prior to registering. Requirements will not be waived for students with disabilities; however, some modifications may be made within specific courses.

## Academic Regulations

### Change of Major

In order to change their major, students must secure from the department in which they wish to become a major a Major or School Change Form and have it signed by the department's undergraduate advisor. Students must bring this form to the College Recorder's Office, Kirkwood Hall 001. The recorder will then process the change of major.

### Grading System

Grades are awarded on the following basis:

A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Average
C-	1.7	
D+	1.3	
D	1.0	Poor
D-	.7	
F	0.0	Unsatisfactory

### FX Policy

For students who matriculate at IU in the fall of 1992 or subsequently, the College of Arts and Sciences will calculate FX grades as grades of F for internal purposes and degree requirements. This calculation will apply to all categories of academic standing: good standing, probation and dismissal, class rank, and all grade point average requirements in the degree, including cumulative, semester, and major concentration.

If students who matriculated prior to fall 1992 already have approved FX grades on their internal records, those grades will remain. However, such students may not have any additional F grades removed from the internal college record in the fall of 1995 or subsequently.

Students who matriculate in the summer of a year are considered to be fall matriculants for degree and policy purposes.

A student may use the FX option for purposes of the university transcript. An undergraduate student who has repeated a course previously failed may request to have only the second grade in that course counted in the student's grade point average as entered on the student's transcript. A student may exercise this FX option for no more than three courses, totaling no more than 10 credit hours. A student may use the FX option on the transcript only once for a given course. Requests for approval of FX courses should be made to the school's recorder.

### Pass/Fail Option

During the four years of their undergraduate program, students in good standing (not on probation) may enroll in a maximum of eight elective courses to be taken with a grade of P (Pass) or F (Fail). The Pass/Fail option is open for a maximum of two courses per academic year, including summer sessions. The course selected for Pass/Fail must be an elective (i.e., it cannot fulfill requirements other than the minimum 122 hours required for degree, and the requirements of 36 hours at the 300-400 level). It may not be used to satisfy any of the College of Arts and Sciences' general education requirements, nor may it be counted as a part of the student's concentration area, nor may it be counted toward completion of a minor or certificate program. The course or courses may be used to meet the requirement for courses on the 300-400 level.

During the freshman year, students may elect to take the School of Health, Physical Education, and Recreation activity courses on a Pass/Fail basis in addition to the two other courses permitted.

Decisions to take courses Pass/Fail must be made no later than the end of the third week of the semester. For summer sessions, the decision to elect to take a course Pass/Fail must be made no later than the fifth day of the first summer session and the tenth day of the second summer session. See the *Schedule of Classes* for deadline dates.

A grade of P is not counted in computing grade point averages; a grade of F is counted. A grade of P cannot be changed subsequently to any other letter grade.

### Incompleted Courses

A grade of I (Incomplete) may be given only when the work of the course is substantially completed and when the student's work is of passing quality. When an I is assigned, a record must be maintained in the office of the department in which the grade was given. The record will include a statement of the reason for recording the I, an adequate guide for its

removal, and a suggested final grade in case the instructor should leave campus for an extended time.

The time allowed for the removal of an I may not exceed one calendar year from the date of its recording, although the dean of the student's college or school may authorize adjustment of this period in exceptional circumstances.

To complete a course in which a student received a grade of I, the student should consult with the instructor. The student should not reenroll in the course.

By assigning an I, an instructor implicitly authorizes and requires the I to be changed to an F at the end of one calendar year if that instructor does not act to remove the I. The registrar will automatically change the I to an F at the end of this time period. Both the student and the instructor in whose course the student received the I will be notified of this change of grade.

When the grade of I is given because students missed the final examination, they will be allowed to remove the I by taking the examination only if they have the approval of the instructor and the Committee on Absence of the Office of the Dean of Students.

These regulations do not apply to research and reading courses in which completion of the work of the course is not necessarily required at the end of the semester and the grade R (Deferred) is given. Once a student has graduated, nothing in these regulations shall prohibit the I from remaining on the record.

### Withdrawals from Courses

The College permits withdrawal from courses with the automatic grade of W (Withdrawal) until the end of the eighth week of classes during the regular academic year, until the end of the fourth week of classes for eight-week courses, and until the end of the first two weeks of classes during a summer session. See the *Schedule of Classes* for deadline dates.

Petitions for withdrawal after the periods specified above will not be authorized by the dean except for urgent reasons related to extended illness or equivalent distress. The desire to avoid a low grade is not an acceptable reason for withdrawal from a course.

If students withdraw with the dean's consent, their grade in the course shall be W if they are passing at the time of withdrawal and F if they are not passing. The grade will be recorded on the date of withdrawal. Failure to complete a course without authorized withdrawal will result in the grade F.

### Grade Appeals and Retroactive Changes

Appeals of grades should be resolved with the instructor who assigned the disputed grade. If the student and instructor cannot resolve the matter, the student should discuss it further with the chair of the department offering the course. Appeals unresolved at the department level may be referred to the academic assistant deans. Appeals of grades or requests for other actions after the conclusion of a course (such as retroactive withdrawals) should be made as soon as possible. Such requests normally will not be considered after one calendar year from the end of the semester in which the course in question was taken.

### Addition of Courses

No course may be added by an undergraduate student after the first week of a semester or summer session unless the instructor of the course approves and the request is approved by both the chairperson of the department in which the course is offered and the dean of the school in which the student is enrolled.

### Absences from Scheduled Classes

Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up. The names of students who are excessively absent are to be reported by their instructor to the Dean of Students.

### Absences from Final Examinations

A student who fails to attend the final examination of a course and who has a passing grade up to that time may be given a grade of I. The Committee on Absence of the Office of the Dean of Students reviews excuses concerning absences from final examinations and informs instructors of its decisions. Students scheduled for more than three examinations in one day may have their examination schedule adjusted if they notify the instructor or department of the course scheduled for the fourth (and additional) final examination of the day.

### Transcripts

Complete information on transcripts can be found in the *Schedule of Classes*. Requests for transcripts must be made in person or in writing to the Office of the Registrar, Franklin Hall 100, Indiana University, Bloomington, IN 47405-7104.

## Academic Standing of Students

### Candidates for Bachelor's Degrees in Good Standing

Students are considered to be candidates in good standing for an Indiana University bachelor's degree when they have been regularly admitted by the Office of Admissions, when their academic grade point average is not less than a 2.0 (C) for the last semester's work, and when their cumulative grade point average is at least 2.0 (C).

### Class Standing

Class standing is based on the number of credit hours completed toward graduation:

- Freshman, fewer than 26 credits
- Sophomore, 26 to 55 credits
- Junior, 56 to 85 credits
- Senior, 86 or more credits

### Academic Probation

Students are on academic probation when their cumulative grade point average is below 2.0 (C). They are also on probation for the duration of the regular semester following one in which they failed to attain at least a 2.0 (C) grade point average. Students on academic probation must comply with such restrictions as the Office of the Dean of Students or the dean of their school may deem necessary.

### Dismissal

Students are dismissed from the College of Arts and Sciences when, in the judgment of the Scholarship and Probation Committee, they have ceased to make adequate progress toward their degree. Students who fail to attain a minimum grade point average of 2.0 (C) in any two semesters and who have a cumulative grade point average below 2.0 (C) are dismissed automatically. (Note that these students will have been placed on probation at least once before dismissal.)

Whether or not students have been placed on probation before, the Scholarship and Probation Committee may dismiss students if their record reveals any of the following:

- failing or near failing performance in any semester;
- failure to make adequate progress toward completion of major requirements;
- failure to make any progress toward completion of degree requirements in any semester;
- a cumulative grade point average below 2.0 (C).

### Readmission

The Scholarship and Probation Committee considers petitions for readmission from students who have been dismissed. A student dismissed for the first time may not continue without permission of the Scholarship and Probation Committee. A student dismissed for the second time may not be admitted for the next regular semester but is eligible to submit a petition for readmission after a period of at least one regular semester. Third dismissals are generally considered final.

In order for petitions for readmission to be considered and accepted by the committee, students eligible to submit them must do so before June 20 for the fall semester, October 1 for the spring semester, and March 1 for a summer session.

### Restart Policy

Students who have been away from Indiana University for at least five years, and who earned grades that make it impossible or very difficult to return to a College of Arts and Sciences degree program, may petition for a "restart." Under a restart, the College of Arts and Sciences will establish a new degree record for the student that will consist of courses previously taken that were completed with a minimum grade of C. Note that all Indiana University course work will remain on the student's permanent record (the university transcript); this policy will affect only the student's College of Arts and Sciences record.

Students will be eligible for consideration for this policy if it has been a minimum of five years since full-time or continuous part-time enrollment. Students will need to provide evidence that would indicate a significant change in their ability to succeed in academic work. Reevaluation of fundamental skills may be necessary before the student can proceed. Students should petition for a restart as part of the readmission process. They are held to the deadlines listed above for submission of readmission petitions.

Students should contact the Office of the Undergraduate Academic Assistant Deans, Kirkwood Hall 012, to begin the petition process and to discuss the details of this policy.

## Special Opportunities for Students

### Basic Skills/Special Skills

The College of Arts and Sciences takes seriously its obligation to help students achieve scholastic success. There are "Basic Skills" sections in English and mathematics to help students with poor backgrounds in these areas to

fulfill the fundamental skills requirements. Finally, the College sponsors "Special Skills" courses (see the "Index" in the 2000-02 College of Arts and Sciences Bulletin) in such areas as library use and career development to help students gain maximum academic benefit from their other course work.

### Career Development Center

In five distinct units, the Career Development Center provides an array of services designed to assist undergraduate students in making informed academic and career decisions. The Career Development Center, located at 625 North Jordan Avenue, is open Monday through Friday from 8:00 a.m. to 4:30 p.m. Visit the office Web site at [www.indiana.edu/~career](http://www.indiana.edu/~career).

**Career Counseling Services (CCS)** provides assistance to students who are in the process of selecting a major and/or exploring career options. In addition to scheduled counseling appointments, freshmen and sophomores may obtain career planning assistance by enrolling in an eight-week, two credit hour course titled Q294 Basic Career Development. Freshmen through seniors may take advantage of Project SEEK, a program that allows students to explore a career option by spending the day shadowing a professional currently working in that field.

**The Internship Opportunities Program (IOP)** actively supports undergraduate students as they pursue and secure meaningful internship experiences. IOP assists students with their internship search through a variety of services including drop-in advising, resume/cover letter workshops, mock interviews, internship listings, and use of the Career Resource Library. IOP also provides students with the opportunity to participate in on-campus interviews, an Internship Fair, and a Web Resume Book.

**The Student Employment Office (SEO)** maintains listings of current part-time, temporary, work-study, and non-work-study positions both on and off campus. SEO sponsors an annual Camp Day in February and the biannual IU Student Jobs Fair, bringing together students seeking jobs and employers with job openings.

**The Arts and Sciences Placement Office (ASPO)** assists juniors and seniors with career planning and placement-related decisions. Students can meet one-on-one with a career counselor to discuss job search-related issues such as: resume and cover letter writing, interviewing, career research, and the graduate school application process. Students are encouraged to enroll in Q400 Job Search Strategies for Liberal Arts Students. This two-credit, eight-week course is designed to help

students develop an effective plan for post-graduate success. In addition, ASPO sponsors seven field-specific career/job fairs, an on-campus recruiting program, job vacancy postings, and a resume referral service available to help students locate permanent, full-time positions.

**The Career Resource Library (CRL)** houses a variety of resources designed to assist students in choosing a major or graduate school program; identifying and researching career options; investigating internship opportunities, summer job options, and full-time employment leads; researching potential employers; improving job search techniques and interviewing skills; and writing effective resumes, cover letters, and graduate school applications. The CRL is open weekdays from 9:00 a.m. to 4:30 p.m.

### Credit by Examination

Students may receive credit for certain courses by successful performance on SAT II Subject Tests, College Board Advanced Placement Tests, and examinations offered by an academic department while at Indiana University. The appropriate department of the university reviews the College Board Advanced Placement Tests in order to make recommendations about advanced standing. Students who believe that they are prepared for advanced study or that they are eligible for special credit because of superior preparation or independent study are urged to accelerate their college programs in this manner. Information on applying for these credit hours can be found immediately below. Credit will be recorded simply with the grade of S (Satisfactory) unless the examination clearly merits an A grade. Failure to pass the examination carries no penalty. Students may thus graduate early, or they may use the time gained to take courses beyond those ordinarily required for an undergraduate degree.

**Special Note** Students who pass departmentally administered examinations may be eligible for credit. Fees for special credit/credit by examination are waived for undergraduate students enrolled in an IU degree-seeking program for at least 12 credit hours in either the fall or spring semesters. Regular credit-hour rates apply for graduate students and undergraduate students enrolled in fewer than 12 credit hours. See also "Fees" in the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Degrees Awarded with Distinction

The College recognizes outstanding performance in course work by awarding bachelor's degrees with three levels of distinction: Distinction, High Distinction, and Highest Distinction. Students must have a minimum of

60 graded credit hours at Indiana University to be considered for distinction degrees.

### Departmental Honors Programs

Outstanding students can pursue independent study and research during their junior and senior years through honors programs in most departments of the College of Arts and Sciences. Ordinarily, students will apply for admission to an honors program in the second semester of their sophomore year or in the first semester of their junior year. Students must have a minimum grade point average of 3.3 and the approval of the department chairperson or departmental honors committee for admission and must maintain this minimum average to be graduated with honors. A potential candidate for honors should consult as soon as possible with the departmental honors advisor or the chairperson of the department about requirements. Programs vary somewhat among departments but generally include the following:

1. Participation in some phase of honors course work (seminars, tutorials, and courses of independent study) each semester of the last two years.
2. An independent project of research, study, or creative achievement, culminating in a paper, laboratory problem, field research problem, or creative effort. Students wishing to earn honors in two different departments must complete a distinct body of work for each honors notation.
3. A comprehensive examination, given in the last semester of the senior year, covering the work of the concentration group. It may be oral or written or both, as the department desires. One faculty member outside the student's major field is always asked to participate.

Enrollment in Reading for Honors is ordinarily done under the course number 399 for juniors and 499 for seniors. The number of credit hours earned under these two course numbers is determined by the departmental honors committee, but it normally should not exceed a maximum total of 15 credit hours. Although the university and its undergraduate schools have specific requirements for graduation, substitutions within the spirit of these requirements may be made to the benefit of the individual student.

### Experimental Courses

The College offers a number of experimental courses. These are listed under "Special Courses and Programs." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Foreign Study

See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### GradPact

GradPact is a mutual agreement between the university and the student in which both parties commit themselves to facilitating the student's graduation within eight consecutive regular semesters of full-time enrollment at IU Bloomington. Students entering Indiana University Bloomington as degree-seeking undergraduates in fall 1996 and later for whom graduation in four years is a priority may wish to consider enrolling in GradPact. Most majors in the College of Arts and Sciences are available for students who wish to participate in the program.

The assurances provided by the university under GradPact and the conditions that must be met by students enrolled in it are described in detail in special publications devoted to the GradPact agreement available from the Office of the Dean of Faculties, Bryan Hall 109. The degree requirements that apply to an undergraduate student pursuing a degree in the College of Arts and Sciences at Bloomington under GradPact will be those in effect during the first semester of enrollment at IU Bloomington as a degree-seeking student (regardless of prior enrollment of any sort on other Indiana University campuses and regardless of prior enrollment at IU Bloomington in nondegree status).

### Groups Program

The Groups Student Support Services Program provides whatever reasonable support is needed to attain the bachelor's degree at Indiana University for individuals who are first-generation college students, are from officially determined low-income families, or are physically disabled. It is jointly funded and sponsored by the U.S. Department of Education and Indiana University. The program offers a variety of services including personal counseling, academic counseling, tutoring, enrollment in specialized courses, and activities that foster academic enrichment. Courses are listed in this bulletin under "Special Courses and Programs." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

### Honors College

Indiana University offers the Honors College Program in an effort to present challenging educational opportunities to superior students. In addition to providing the entering student with special sections of traditional departmental courses, the Honors College offers innovative seminar experiences and arranges inde-

pendent reading programs. Specially chosen honors advisors aid first-year students in planning their individual programs. Students in the Honors College follow no rigid program and may choose to earn a general honors notation and/or an honors degree in their discipline. The first two years of study may be seen as a prelude to formal departmental or school honors programs that lead to distinctive degrees with honors. Students should contact the Honors College, 324 N. Jordan Avenue, (812) 855-3555, for further information.

The Honors College offers the following opportunities to superior students:

**Recognition in General Honors** Students in the Honors College may earn an honors degree in their major discipline. They may also, if they choose, earn a general honors notation on their official transcript and diploma. In order to earn this designation, students must successfully complete the following general requirements of the Honors College and be in good standing in the Honors College:

1. Each student shall complete, with a minimum grade point average of 3.3, a general honors curriculum consisting of a minimum of 18 credit hours of approved Honors College courses, including at least one semester of an Honors College "H" course (or an approved junior/senior equivalent).
2. Each student shall have a minimum cumulative grade point average of 3.3 at graduation.

#### **Honors Seminars and Special Sections**

Freshman Honors Seminars are 3 credit hour discussion classes limited to about 20 freshman and sophomore students, who explore some of the great thinkers and poets in the Western tradition. More advanced seminars (H300 and H400) offer opportunities for study and research on specialized topics. Many departments reserve special introductory sections or seminars for entering students with superior scholastic records, such as Biology S115, Chemistry S105-S106, Economics S201-S202, Mathematics S212, and Psychology P106. The Honors College faculty also teach honors seminars in their various disciplines. The material covered in these courses is broader in scope or more in-depth than that of a regular course.

**Honors Tutorial (H299)** Honors tutorials are individually arranged programs of directed reading and research. Freshmen or sophomores who wish to engage in intensive study growing out of an undergraduate seminar or to pursue a clearly defined research interest may enroll in H299 for 1-3 credit hours under the tutelage of a faculty sponsor. Applications for a tutorial, accompanied by the recommen-

dation of the prospective faculty tutor, should be submitted to the Honors College for approval prior to the semester in which the project is to be undertaken.

**Grants and Internships** Juniors and seniors may be eligible for undergraduate grants in support of academic research or study projects during the regular academic year or the summer. These are designed to meet expenses not normally anticipated in planning an undergraduate program and may be used to support various needs. Applications are normally submitted during the spring semester both for summer grants and grants for the following fall, and during the fall semester for the following spring semester.

A number of internships are also available for students who wish to engage in a controlled undergraduate teaching program or some equivalent experience in their major area of study. These grants are meant to support a close faculty-student relationship in which the student is treated as a junior colleague.

Academic credit may also be considered when appropriate.

**Course Listings** For course listings, refer to "Special Courses and Programs." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### **Individualized Major Program**

See alphabetical listing for more information.

#### **Intensive Freshman Seminars (IFS)**

See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### **Language Placement Tests**

Students who wish to continue at Indiana University a foreign language begun in high school or at another university must take a foreign language placement test. Contact the Bureau of Evaluative Studies and Testing or foreign language departments for more information.

#### **Special Credit as a Result of Placement Tests**

Students earning exemption from the second semester may be eligible for credit. Students who are eligible for such credit in French, German, or Italian will automatically receive credit if the placement test is taken at Indiana University or if the student's CEEB test score is sent to Indiana University. For special credit in other foreign languages and for special credit above the first-year level, students should check directly with the foreign language departments. See also "Special Note" under "Credit by Examination."

If students place at the fifth-semester level on the language placement test as a result of high

school language study, and complete their first course enrollment at Indiana University in any fifth-semester course that requires knowledge of the language with a minimum grade of C-, they may be eligible for 6 hours of special credit plus credit for the fifth-semester course in which they are enrolled. (The Department of Slavic Languages and Literatures has different requirements. Check with that department's listing.) If students place in the second semester of a second-year foreign language and complete that semester with a minimum grade of C-, they can receive 3 hours of special credit for the first semester, plus credit for the course in which they are enrolled. (The Department of Slavic Languages and Literatures has different requirements. Check with that department's listing.) The grade for special credit will be S (Satisfactory). It is the student's responsibility to request that the language department send this information to the Office of the Recorder, College of Arts and Sciences, Kirkwood Hall 001.

**International Students** Students whose native language is not English may demonstrate required proficiency in their language, with permission of the College. They may not, however, earn credit for any courses at the first- or second-year level in their native language; departmental policies vary with regard to granting credit for third- and fourth-year courses in such cases.

#### **Living Learning Centers**

Living learning centers (LLC) are residential-academic programs located in residence halls. Two centers are available: Collins Living-Learning Center, located in the Collins Quadrangle, and Foster International, located in Foster Quadrangle's Shea Hall. Membership in these centers is based on an application available from Residential Programs & Services and from most university offices.

Collins LLC is the older of the two centers. Prospective members should be interested in accepting responsibility for affairs of the center, such as governance, curriculum planning, and programming. They should also be interested in exploring a variety of academic disciplines through the LLC experimental curriculum. Collins LLC students must enroll in at least one Collins course during each of their freshman and sophomore years; all new students also enroll in a 1 credit hour workshop in residential learning. Most courses may be counted toward graduation requirements.

Foster International was established in 1983 to accommodate students with interests in international affairs. The center offers special interdisciplinary courses with an international focus, including freshman- and sophomore-

level seminars taught by faculty in the residence hall. Foster International also sponsors a wide range of guest lectures and films, involving both Indiana University faculty and visiting lecturers. Center governance and programming are the responsibility of the students in residence.

Students majoring in any discipline or school are eligible to apply for membership in either program, and current university students may apply to transfer to a center at the beginning of any semester. For additional information, contact the director of Collins LLC at (812) 855-9815 or the director of Foster International at (812) 855-6215. Courses are listed in this bulletin under "Special Courses and Programs." See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### **McNair Scholars Program**

See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### **MEDIC-B Scholars Program**

See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### **Military Science and Aerospace Studies**

Qualified men and women may elect to earn credits leading to a commission as a second lieutenant in the United States Army or Air Force. Credits earned in Army ROTC and Air Force ROTC may be applied toward the 122 credit hour total required for graduation. More specific information may be obtained from the offices of the particular ROTC units in which the student is interested: Military Science (Army), 814 E. Third Street, (812) 855-7682; and Aerospace Studies (Air Force), 814 E. Third Street, (812) 855-4191.

#### **Overseas Study Programs**

**Indiana University Programs** Indiana University grants direct credit for more than 60 university-sponsored overseas study programs for a full academic year, semester, or summer abroad. Some programs require a strong foreign language background and permit students to attend regular courses in the host university. Others, especially summer programs, provide intensive language instruction as part of the program. A number of programs offer courses in English on comparative or international topics. Students may participate in some summer programs as early as their freshman year. Academic year and semester programs normally require junior or senior standing.

Programs are open to all College of Arts and Sciences majors, and financial aid is applicable to program costs. Students are encouraged to

explore the range of opportunities for study abroad early in their university career.

Credits earned in Indiana University programs may be applied to university degree requirements in most cases and generally satisfy the senior residency requirements at the student's home campus. Students who have completed a substantial amount of course work at another campus of Indiana University may consult an academic assistant dean in the College office, Kirkwood Hall 012, about their eligibility for a College of Arts and Sciences degree.

Indiana University's overseas study programs include:

#### Academic Year

Britain (Canterbury)  
France (Paris, Aix-en-Provence)  
Germany (Freiburg)  
Israel (Jerusalem)  
Italy (Bologna)  
Japan (Nagoya)  
Spain (Madrid)

#### One Semester

Argentina (Buenos Aires)  
Australia (Adelaide, Canberra, Wollongong)  
Austria (Vienna)  
Belize (Chau Hiix)  
Brazil (São Paulo)  
Britain (London, Manchester)  
Chile (Santiago)  
China (Hong Kong)  
China (Nanjing)  
Czech Republic (Prague)  
Denmark (Copenhagen)  
France (Paris, Rennes, Rouen)  
Germany (Freiburg)  
Germany (Reutlingen)  
Ghana (Legon)  
Greece (Athens)  
Hungary (Budapest)  
Japan (Tokyo)  
Mexico (Monterrey)  
Netherlands (Maastricht, Rotterdam)  
Peru (Lima)  
Russia (St. Petersburg)  
Spain (Alicante, Madrid, Seville)

#### Summer

Austria (Graz)  
Britain (London)  
Canada (Quebec)  
Cayman Islands (Grand Cayman)  
Denmark (Copenhagen)  
Finland (Mikkeli)

France (Paris)  
Greece (Athens, Paros)  
Ireland (Dublin)  
Israel (Bet Shemesh)  
Italy (Florence)  
Mexico (Cuernavaca, Guanajuato)  
Netherlands (Maastricht)  
Spain (Salamanca)

#### Intersession

Costa Rica (field sites)

Information on overseas study programs, both those sponsored by Indiana University and those arranged through other institutions, is available from the Overseas Study Information Center in Franklin Hall 303 on the Bloomington campus, (812) 855-9304; the overseas study coordinators on the other Indiana University campuses; and on the Web at [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas). See also the "Studying Abroad" section in this bulletin.

#### Pass/Fail Option

Students wishing to explore new subject areas without the risk of harming their grade point average may consider the Pass/Fail option. See "Pass/Fail Option" under "Academic Regulations."

#### Phi Beta Kappa

The Society of Phi Beta Kappa, founded in 1776 at the College of William and Mary in Virginia, is the oldest academic Greek-letter society in existence. Throughout its history, Phi Beta Kappa has held as its primary objective the recognition of excellence in the academic performance of undergraduate students who are candidates for degrees in the liberal arts and sciences in U.S. colleges and universities. There are at present 248 chapters of Phi Beta Kappa. Indiana University's chapter, Gamma of Indiana, was established in 1911.

Members are chosen by faculty electors of Indiana University's chapter from among senior degree candidates and recent graduates of the College of Arts and Sciences whose academic records have placed them among the top 10 percent of their class.

#### Science Courses for Non-science Majors

These courses are specially designed for the nonscience major; they challenge the liberal arts student to understand modern science and scientific concepts and methods.

During any academic year, courses of this type are available in mathematics, physics, chemistry, astronomy, the biological sciences, and psychology. M110 Excursions into Mathematics; P151 Excursions into Physics; L350 Environmental Biology; and L369

Heredity, Evolution, and Society are among those available.

#### Second Bachelor's Degree

In certain cases the dean may admit bachelor's degree holders to candidacy for a second bachelor's degree. When such admission is granted, the candidates must earn at least 26 additional credit hours in residence and meet the requirements of the College of Arts and Sciences and of the department in which they are candidates. Students may also be admitted to candidacy for a simultaneous second degree. In the case of simultaneous conferral of the first and second undergraduate degrees, 26 additional residency hours for the second degree are not required. Students seeking second degree candidacy should schedule an appointment with the advisor in the College office, (812) 855-1647, Kirkwood Hall 012. Students with a bachelor's degree who wish to further their education should consider becoming qualified for admission to a graduate program.

#### Special Skills Courses

See the "Index" in the 2000-02 College of Arts and Sciences Bulletin.

#### Student Records

**Release of Information in Student Records**  
An implicit and justifiable assumption of trust is placed in the College of Arts and Sciences as custodian of personal data submitted by students entering the College or generated during their enrollment. This mutual relationship of trust between the College and the individual student requires that such data be held in confidence.

**Public Information** Upon request of a third party, certain information is made available to the public by the registrar's office.

**Confidentiality of Records** Indiana University, in compliance with the General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act, provides that all student records are confidential. Confidential academic information is released by the College of Arts and Sciences only to the student, and to person(s) whom the student authorizes in writing to be appropriate recipients of the information. Students may review their records upon request and may ask for deletions or corrections of the record in a hearing process described in detail in the *Code of Student Rights, Responsibilities, and Conduct* distributed at fall registration or available in the Dean of Students' office. References, recommendations, and other similar documents may carry a voluntary waiver relinquishing the student's right to review this specific material. The student may also release the record to

others by signing a written release available in the offices that maintain records. Further details regarding the provisions of the Privacy Act and a list of offices where student records are kept may be found in the *Code of Student Rights, Responsibilities, and Conduct*.

## Explanation of Abbreviations

The various symbols used in the course descriptions on the following pages are explained below.

#### Distribution Requirements

In this Supplement, courses that fulfill the distribution requirements of the College of Arts and Sciences will be designated by specific abbreviations immediately following the course titles. **Arts and Humanities:** Courses that fulfill this distribution requirement are designated by **A & H**; **Social and Historical Studies:** Courses that fulfill this distribution requirement are designated by **S & H**; **Natural and Mathematical Sciences:** Courses that fulfill this distribution requirement are designated by **N & M**.

In the College of Arts and Sciences 2000-2002 Bulletin, a different categorization of distribution requirements was used. The explanations below refer to these former designations and also illustrate how the old and new distribution requirements correlate.

**Arts and Humanities, Literature and the Arts** Courses that fulfilled this old distribution requirement were designated by **AHLA**. Any course formerly designated **AHLA** fulfills the new Arts and Humanities (**A & H**) requirement.

**Arts and Humanities, Traditions and Ideas** Courses that fulfilled this old distribution requirement were designated by **AHTI**. Any course formerly designated **AHTI** fulfills the new Arts and Humanities (**A & H**) requirement.

**Social and Historical Studies, Social Inquiry** Courses that fulfilled this old distribution requirement were designated by **SHSI**. Any course formerly designated **SHSI** fulfills the new Social and Historical Studies (**S & H**) requirement.

**Social and Historical Studies, Historical Studies** Courses that fulfilled this old distribution requirement were designated by **SHHS**. Any course formerly designated **SHHS** fulfills the new Social & Historical Studies (**S & H**) requirement.

**Natural and Mathematical Sciences, Natural Sciences** Courses that fulfilled this old distribution requirement were designated by NMNS. Any course formerly designated NMNS fulfills the new Natural and Mathematical Sciences (N & M) requirement.

**Natural and Mathematical Sciences, Mathematical Sciences and Cognition** Courses that fulfilled this old distribution requirement were designated by NMMC. Any course formerly designated NMMC fulfills the new Natural and Mathematical Sciences (N & M) requirement.

### Culture Studies Requirement

Courses that fulfill the culture studies requirement of the College of Arts and Sciences will be designated by specific abbreviations immediately following the course titles.

**Culture Studies List A** Courses that carry culture studies credit appropriate for List A are designated by **CSA**.

**Culture Studies List B** Courses that carry culture studies credit appropriate for List B are designated by **CSB**.

### Prerequisites

Consent of the instructor is an implicit prerequisite for all courses in the College of Arts and Sciences. However, there are often special prerequisites designated in the course description.

**Required Prerequisites** The abbreviation “P” followed by a colon indicates course prerequisites that must be met before enrollment.

**Recommended Courses** The abbreviation “R” followed by a colon indicates courses that are suggested as desirable prior to, but not necessary for, enrollment.

**Concurrent Courses or Corequisites** The abbreviation “C” followed by a colon indicates courses to be taken at the same time.

### Semester Designation

If courses are offered in particular semesters, they may be so designated by following the course description with the abbreviations listed below. For courses with no semester designations, refer to the *Schedule of Classes*.

**First Semester** Courses that are expected to be offered first semester 2001-02 and 2002-03 are designated by “I Sem.”

**Second Semester** Courses that are expected to be offered second semester 2001-02 and 2002-03 are designated by “II Sem.”

**Summer Session** Courses that are expected to be offered during summer session 2001 and 2002 are designated by “SS.”

Indiana University reserves the right to change course offerings without notice. Consult the *Schedule of Classes* for the most up-to-date listing.

# Changes and Additions to Departmental Requirements and Course Descriptions

## Afro-American Studies

### Major in Afro-American Studies

**Recommendations** During the freshman and sophomore years, students should take Afro-American Studies A141, A142, and A150. A141 and A142 satisfy the English composition and arts and humanities requirements. A150 satisfies the arts and humanities requirements. A141 and A142 do not count toward the major or minor in Afro-American Studies.

### Interdepartmental Major in Afro-American Studies and English

**Requirements** Students must meet the following course requirements for a minimum total of 40 credit hours.

#### Afro-American Studies

At least 18 credit hours of which at least 12 credit hours must be at the 300 level or above, including

- A150 Introduction to Afro-American Culture.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- Three courses from among the following:
  - A249 Afro-American Autobiography.
  - A383 Blacks in American Drama and Theatre 1767-1945.
  - A384 Blacks in American Drama and Theatre 1945-Present.
  - A479 Contemporary Black Poetry.
  - A480 The Black Novel.
  - A493 Senior Seminar in Afro-American Studies.

#### English

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

- L202 Literary Interpretation.
- L371 Introduction to Criticism.

- One 300-level course appropriate to each of four periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth century; the nineteenth century; 1900 to the present.

### Interdepartmental Major in Afro-American Studies and History

**Requirements** Students must meet the following course requirements for a minimum total of 40 credit hours. No course counting toward completion of the upper-level hours requirement of the History concentration can also be counted toward completion of the upper-level hours requirement of the Afro-American Studies concentration.

#### Afro-American Studies

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

- A150 Survey Culture of Black Americans.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- 9 additional credit hours from the History, Culture, and Social Issues Concentration. These 9 credit hours may include the Senior Seminar.

#### History

At least 18 credit hours of History courses, including:

- At least 15 hours of 300-400 level courses (a J200 may be substituted for 3 hours of 300-400 level courses; only one of A355 Afro-American History I or A356 Afro-American History II taken in either History or Afro-American Studies can be counted toward these 15 hours).
- At least one seminar chosen from J400, J450, J477, J478, K391, or K392.
- Any two courses in non-U.S. History (i.e., Western European, Russia and East Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
- At least 9 credit hours of these History courses must be completed in residence at the IU Bloomington campus.

### Interdepartmental Major in Afro-American Studies and Sociology

**Requirements** Students must meet the following course requirements for a minimum total of 40 credit hours.

### Afro-American Studies

At least 18 credit hours of which at least 12 credit hours must be at the 300 level or above, including:

- A150 Survey Culture of Black Americans.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- 9 additional credit hours from the History, Culture, and Social Issues Concentration. These 9 credit hours must include the Senior Seminar. (Majors are strongly encouraged to take A363 Research on Contemporary Afro-American Problems I when it is taught.)

### Sociology

At least 21 credit hours of which at least 12 credit hours must be at the 300 level or above, including:

- One course from the following:  
S100 Introduction to Sociology.  
S210 The Economy, Organizations, and Work.  
S215 Social Change.  
S230 Society and the Individual.
- S217 Social Inequality.
- S335 Race and Ethnic Relations.
- S110 Charts, Graphs, and Tables.
- 3 additional courses in Sociology at the 300-400 level.

**A392 Afro-American Folklore (3 cr.) A & H, CSA** Afro-American culture in the United States viewed in terms of history (antebellum to present) and social change (rural to urban). Use of oral traditions and life histories to explore aspects of black culture and history. Credit not given for both A392 and FOLK F354.

## Anthropology

### General Anthropology

**A496 Field Study in Anthropology (1-3 cr.) P:** Consent of chairperson. Supervised fieldwork of an anthropological nature arranged through an outside agency or institution, such as an internship, apprenticeship, or volunteer work at a governmental office, zoo, or archaeological site. One credit hour per full week of fieldwork. May be repeated for a maximum of 8 credits.

### Social and Cultural Anthropology

**E230 American Ethnic Diversity (3 cr.) S & H** This course focuses on racial and ethnic groups within the United States, including Native Americans, African Americans, Asian

Americans, Hispanics, Jewish Americans, and the self-defined "white ethnics." Topics will include the nature of prejudice and stereotypes, the immigrant experience, ethnic strategies for success, education, the arts, and competitive sports as a means of expression and social mobility.

**E240 Southwestern American Indian Ritual and Belief (3 cr.) S & H, CSA** This seminar will examine the beliefs and rituals of several of the Indian peoples of the Southwest, particularly the Apache, the Navajo, and the Pueblo. After setting the historical and ethnographic context, we will look at beliefs and rituals focusing on origins, sacred places, healing, the natural environment, life passages as well as other topics. Credit given to Anthropology majors and minors.

**E312 African Religions (3 cr.) A & H, CSA** An introduction to the variety of religious beliefs and practices in sub-Saharan Africa. Examines important themes that are common to indigenous religions and looks at the impact of Islam and Christianity. The focus is on how religion is interwoven with social, political, and economic aspects of life and is expressed in myth, ritual, and art.

## Apparel Merchandising and Interior Design

**H168 Beginning Interior Design (3 cr.)** Focus on critical and analytical ability, reasoned understanding and rational application of design elements and principles, development of vocabulary, attitudes, and skills basic to design and interior design.

**H265 History of European and American Furniture and Interiors, 1730-1830 (3 cr.) S & H** Study of French, English, and American period furnishings, designers, and interior environments, 1730-1830.

**H271 Interior Design I - Three-Dimensional Interior Design (3 cr.) P:** B- or better in H168 and consent of instructor. Fundamentals of drawing and rendering in two and three dimensions, presentation methods, and design practices. Lab fee required. I Sem.

**H328 CAD for Apparel Merchandising (1-3 cr.) P:** H327 and consent of instructor. Computer application for design marketing and merchandising in the apparel and textile industries. Includes color, graphics, prints, knits, and wovens. May be repeated with a different topic for a maximum of 6 credit hours.

**H394 Advanced CAD Applications for Interior Design (3 cr.) P:** H264. Advanced CAD visualization for professional design

practice: three-dimensional modeling and visualization, image processing, animation, and multimedia presentation. Lab fee required. I Sem.

## Astronomy

**A105 Stars and Galaxies (3 cr.) N & M** Introduction to the physical universe. Topics include constellations, gravity, radiation, the sun, structure and evolution of stars, neutron stars and black holes, the Milky Way galaxy, normal galaxies, active galaxies, quasars, cosmology, and the search for extraterrestrial life. Credit given for only one of A105, A110, or COAS E105 Gravity: the Great Attractor. I Sem., II Sem., SS.

## Biology

### Major in Microbiology—B.A.

**Major Requirements** Students must complete the following courses with a minimum grade of C- in each course:

- L112 Introduction to Biology: Biological Mechanisms (3 cr.) and L113 Biology Laboratory (3 cr.).
- L211 Molecular Biology (3 cr.).
- M310 Microbiology (3 cr.) and M315 Microbiology Lab (2 cr.).
- M440 Medical Microbiology (3 cr.) or M460 Biology of the Prokaryotes (3 cr.).
- M480 Microbial Genetics (3 cr.).
- Either M350 Microbial Physiology (3 cr.) or L312 Cell Biology (3 cr.).
- Two additional courses from the following: B351, L321, M375, M430, or M440.
- One additional laboratory from the following: M360, M435, M445, M465, or M485.

### Major in Biology—B.S.

**Additional Requirements** Students must also complete with a minimum grade of C- in each course:

- Chemistry C105-C125, C106-C126, C341, C342, and C343.
- Physics P201-P202 or P221-P222.
- Mathematics M211 or M215, (or M119 and M120), and Mathematics/Psychology/SPEA K300, or Mathematics/Psychology K310. (Note that although SPEA K300 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours.)

### Major in Microbiology—B.S.

**Major Requirements** Students must complete the following:

- Biology L112, L113, and L211.
- Microbiology M310 and M315.
- Microbiology M350-M360, M400, M430-M435, M440-M445 or M460-M465, and M480-M485. Students who receive a grade lower than C in any of these courses, including M310 and M315, must receive permission from the instructor before enrolling in other courses in the series.
- One lecture course selected from B351, L321, M375, or M416.
- Chemistry C105-C125, C106-C126, C341, and C343.
- Mathematics M211 or M215, and Mathematics/Psychology/SPEA K300 or Mathematics/Psychology K310. (Note that although SPEA K300 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours.)
- Physics P201-P202 or P221-P222.

### Courses for the Biology Major

**L305 Project Laboratory in Molecular Biology and Genetics (3 cr.) P:** BIOL L211 or S211 or consent of instructor. Explore the different stages of scientific investigation by performing research using molecular biology and genetic techniques. Design and execute research projects under supervision of the instructor in a teaching laboratory setting on problems including mutant isolation, gene cloning, gene expression, protein localization, protein structure-function, cell division, cell differentiation, etc. A maximum of 12 credit hours between L305 and L490 may count toward graduation.

**L323 Molecular Biology Laboratory (3 cr.) P:** L211. Manipulation and analysis of genes and genomes. Gene cloning and library screening. Gene amplification and disease diagnosis. Gene mapping and Southern blot analysis of complex genome structure. Credit given for only one of L323, L324, and S211.

**L324 Human Molecular Biology Laboratory (3 cr.) P:** BIOL L211 or consent of instructor. Theory and molecular biology techniques used to study the human genome and human genes. Students isolate DNA from their cells and apply current techniques for DNA fingerprinting of macro- and micro-satellites, telomere length estimation, SNP and Alu polymorphism analysis, gene expression analysis, DNA sequencing, and computer analysis. Credit given for only one of L323, L324, and S211.

**M435 Viral-Tissue-Culture Laboratory (3 cr.)** P or C: M430 or consent of instructor. Laboratory techniques in phage, viruses, and tissue culture.

**L473 Ecology (3 cr.)** P: L111. R: L318. Major concepts of ecology for science majors; relation of individual organisms to their environment, population ecology, structure and function of ecosystems. Credit not given for both L473 and L479.

**L474 Field and Laboratory Ecology (2 cr.)** P: L111. R, C: L473. Introduction to research problems and techniques in the ecology of individuals, populations, and ecosystems.

## Chemistry

### Special Sections and Courses

Special courses for students with unusually good aptitude or preparation and especially for students interested in the professional B.S. in Chemistry and B.S. in Biochemistry degree programs are identified by the prefix letter "S": S105, S106, S125, S126, S341, S342, S343, and S344. These courses are equivalent to the corresponding courses lettered "C" for meeting stated requirements.

### Major in Chemistry—B.A.

**Purpose** This major is designed for students planning to do work in other fields, including medicine, dentistry, law, optometry, and business. Students must complete the following course work with a minimum grade of C- in each course:

1. C105-C125, C106-C126, C341, C343, and C360, or C361, or C362.
2. Seven elective credit hours in chemistry, at least four of which must be selected from C315, C317, C318, C342, C344, C364, C430, C460, C481, C483, C484, C485, and C487. C103 (except the 2 credit hours that may be counted for C125), C371, C372, C400, C401, C409, C471, C472, and Y398 may not be used to fulfill the 25 credit hour requirement.
3. Physics P201-P202.
4. Mathematics M119 or M211 or M215.

Students must also complete the degree requirements for the B.A. degree in the College of Arts and Sciences.

### Major in Biochemistry—B.A.

**Purpose** This major is designed for students planning to attend medical or dental school, but who cannot meet all the requirements for the B.S. in biochemistry and who do not plan to pursue graduate work or to seek employment in industry. Students must complete the

following course work with a grade of C- or better in each course:

1. C105-C125, C106-C126, C341, C342, C343, C484, C485, and C487.
2. A minimum of 3 credit hours selected from the following: C317, C318, C344, C360, C430, C460.
3. Biology L112.
4. Mathematics M119 or M211 or M215.
5. Physics P201 or P221.

Students must also complete the degree requirements for the B.A. degree in the College of Arts and Sciences.

### Special B.A. for Three-Year Pre dental Students

**Purpose** This program is designed for students admitted to the Indiana University School of Dentistry. Students who have completed requirements for this major, the fundamental skills and distribution courses required for the standard B.A. in Chemistry or Biochemistry, and at least 90 credit hours in courses offered by the College of Arts and Sciences may apply 32 credit hours of their first-year professional courses as elective credit. Students who have been accepted to dental school other than at Indiana University must have special permission from the dean of the College of Arts and Sciences to apply for this degree.

**Requirements** Students must complete all of the fundamental skills and distribution requirements that are required for the standard B.A. in Chemistry or Biochemistry.

### Major in Chemistry—B.S.

**Major Requirements** Students must complete the following course work with a minimum grade of C- in each course:

1. 45 credit hours of chemistry, including C315, C317, C318, C341, C342, C343, C344, C361, C362, C364, C430, C471, and either C483 or C484. C103 (except the 2 credit hours that may be counted for C125) may not be counted in the 45 credit hours required for the major.
2. Mathematics M211 or M215, M212 or M216, and M303, M311, or M343.
3. Physics P221-P222.

### Major in Biochemistry—B.S.

**Major Requirements** Students must complete all of the following course work with a grade of C- or better in each course:

1. 45 credit hours of chemistry, including C315, C317, C318, C341, C342, C343, C344, C361-C362 or C361-C481, C364 or C487, C471, C484, C485. C103 (except the 2 credit

hours that may be counted for C125) may not be counted in the 45 credit hours required for the major.

2. Mathematics M211 or M215 and M212 or M216.
3. Physics P221-P222.
4. Biology L112 and at least one of the following: L311, L312, M310-M315, M350, M430.

**Recommendations** Chemistry C487 is recommended over Chemistry C364. Chemistry C481 is recommended over Chemistry C362.

### Chemistry Minor

**Requirements** 15 credit hours or more in Chemistry.

1. Required Core Courses: Chem C105, C106, C125, and C341.
2. Electives: Select 2 courses from the following list of lecture courses (4-6 credit hours): C317, C318, C342, C360, C361, C362, C430, C432, C443, C460, C481, C483, C484, C485.
3. 10 credit hours must be taken on the Bloomington campus.
4. A minor GPA of 2.0 is required with no course grade lower than C-.

### Departmental Honors Program

The program is designed for especially well-qualified students who wish to acquire an unusually strong foundation in chemistry. Most students completing the honors program enter graduate or professional school. Special courses for outstanding students are offered in general chemistry, S105-S125, S106-S126; and in organic chemistry, S341, S342, S343, and S344. Participants are expected to complete the requirements for a B.S. in Chemistry or a B.S. in Biochemistry or the following courses: C315, C317, C318, C361, C362, C364, and two 3 credit hour, 400-level courses other than C409 and C445.

### Chemistry Course Descriptions

**C371 Chemical Informatics I (1 cr.)** P: C105, C106, I101, I200. Basic concepts of information representation, storage, and retrieval as they pertain to chemistry. Structures, nomenclature, molecular formulas, coding techniques for visualization of chemical structures and properties. Weekly topics presented by faculty from IUB and IUPUI and others via the Internet.

**C372 Chemical Informatics II (1 cr.)** P: C371, C341. Basic concepts of information representation, storage, and retrieval as they pertain to chemistry with emphasis on organic and biochemical knowledge. Spectral data representation and retrieval, crystallographic data sys-

tems, pattern recognition, instrumentation and laboratory networking, combinatorial chemistry, molecular modeling, and bioinformatics.

**C471 Chemical Information Sources and Services (1 cr.)** P or C: C341, S341, or consent of instructor. Techniques for the storage and retrieval of chemical information in both printed and computer-readable formats; sources of chemical information, including chemical abstracts; development of search strategies; online searching of chemical databases. I Sem. Credit given for only one of C400 and C471.

**C472 Computer Sources for Chemical Information (1 cr.)** P: C400 or C471.

Techniques for the utilization of the major computer-based information tools found in academic and industrial environments. II Sem. Credit given for only one of C401 and C472.

**C487 Biochemistry Laboratory (3 cr.)** P: C344 or S344 and C484. Laboratory instruction in the fundamental techniques of biochemistry, including assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; recombinant DNA procedures; polymerase chain reaction (PCR).

**C498 Special Topics in Chemistry (1-3 cr.)**

P: Consent of instructor; section authorization required. Topics in chemistry and biochemistry vary with each offering of this course.

## Classical Studies

### Major in Latin or Greek

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. 18 credit hours of Latin and Greek courses. L100-L150 (or L300) may not be included in the 18 credit hours. G100 (or G301) may be included only if the student has met one semester's proficiency in another language. Latin majors must include at least two 400-level courses.
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 3 additional credit hours of Latin, Greek, or classical civilization courses.
4. A classical civilization course to be determined with the major advisor.
5. A course in Roman history or C414 is recommended for Latin majors. A course in Greek history or C413 is recommended for Greek majors.

**Recommendations** Students should take courses in both Latin and Greek. Recommended electives are C101, C102, C205, C412, C413, and C414; any other foreign language courses; and courses in archaeology, comparative literature, English, fine arts, folklore, history, library science, linguistics, philosophy, and religious studies.

### Major in Classical Civilization: Culture and Literature

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. C101, C102, C205, C206, and C494 or H494.
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 9 credit hours of additional course work chosen from the following: C310, C311, C350, C351, C360, C361, C405, C408, C409, C419, C491; History C386, C387, C388, C390; Philosophy P201; Religious Studies R220, R325; Communication and Culture C419.

A course in Greek or Roman history or C413 or C414 is recommended.

### Major in Classical Civilization: Art and Archaeology

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. C101, C102, C205, C206, C494 or H494.
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 9 credit hours of additional course work chosen from the following: CLAS C412, C413, C414, C416, C419, C420, C421; Fine Arts A311, A312, A314, A410, A416, A417, A418, A419; Anthropology P220, P301, P409.

### Minor in Classical Civilization

**Requirements** 15 credit hours or more.

1. The minor is to be completed with an average grade of C or better.
2. A maximum of 3 credit hours of conference courses (C495, G495, L495) may be substituted and counted toward the minor. The undergraduate advisor must approve any such substitution before credit will be counted toward a minor.
3. Students may transfer up to 6 credit hours from another institution to count toward the minor with the approval of the undergraduate advisor.

Two tracks are available:

#### Literary and Cultural Emphasis

The following courses are required: C101 or C102, C205 or C405. Any three of the following courses may be counted toward the minor: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390. See requirements 1, 2, and 3 above.

#### Art and Archaeology Emphasis

The following courses are required: C101 or C102, C206. Any three of the following courses may be counted toward the minor: HIST C386, C387, C388, C390, or C409, C411, C412, C414, C419, C420, C421, C495. See requirements 1, 2, and 3 above.

#### Classics Courses

**C308 Roman Law (3 cr.) A & H, CSA** An introduction to the Roman legal system and, more generally, to legal reasoning, with a focus on the Roman law of delict (roughly equivalent to tort). The course uses the casebook method requiring daily participation in discussion of legal cases; other requirements include short writing exercises, exams, and papers.

**C395 Topics in Classical Art and Archaeology (3 cr.) P:** CLAS C206 or FINA C206. Special topics in the history and study of classical archaeology. May be repeated once with different topics for a maximum of 6 credit hours.

**C412 (FINA A412) The Art and Archaeology of the Aegean (3 cr., undergrad.; 4 cr., grad.) A & H P:** CLAS C206 or FINA A206. Introduction to the preclassical art and archaeology of the Aegean Basin: Greece, Crete, and the Aegean islands during the Stone and Bronze Ages (to about 1000 B.C.). Topics covered include Troy, Minoan Crete, and Mycenaean Greece.

**C413 (FINA A413) The Art and Archaeology of Greece (3 cr., undergrad.; 4 cr., grad.) A & H P:** CLAS C206 or FINA A206. Art and archaeology of Greece from about 1000 B.C. through the Hellenistic period. Special attention given to the development of Greek architecture, sculpture, and vase painting. Continuation of CLAS C412 (FINA A412), but CLAS C412 (FINA A412) is not a prerequisite.

**C414 (FINA A414) The Art and Archaeology of Rome (3 cr., undergrad.; 4 cr., grad.) A & H P:** CLAS C206 or FINA A206. Development of Roman architecture, sculpture, and painting from the beginning through the fourth century A.D. Consideration given to the major archaeological sites. Continuation of CLAS C413 (FINA A413), but CLAS C413 (FINA A413) is not a prerequisite.

#### C498 Internship in Classical Studies (1-3 cr.)

**P:** Major standing; minimum GPA of 3.5; prior arrangement with faculty member or supervisor; departmental authorization. Supervised experience in teaching Latin, Greek, or classical civilization at the undergraduate level or supervised internship in a museum. May be repeated once for a maximum of 6 credit hours; only 3 credit hours may count toward the major with approval of the undergraduate advisor.

## Cognitive Science

### Major in Cognitive Science—B.A.

The underlying aim of the program is twofold: (1) to give students a solid grounding in the formal and conceptual tools needed to understand and conduct research in cognitive science; and (2) to foster depth in a particular area. Students must satisfy four requirements. First, they must demonstrate mastery of fundamental skills by completing a set of four coordinated cognitive science core courses. Second, they must concentrate in a particular aspect of cognitive science by completing a sequence of three courses within a particular area of study. Third, they must demonstrate a breadth of knowledge across other contributing areas of cognitive science. Finally, they must complete a senior seminar course that will serve as a capstone for the degree program.

**Requirements** In addition to the degree requirements for the B.A. degree in the College of Arts and Sciences, students must complete the following:

1. **CORE:** The four-course sequence: Q240, Q250, Q270, and Q320 (NOTE: Credit will not be given for both COGS Q260 and Q320.)
2. **CONCENTRATION:** Three courses in one of the following areas: cognition, computation, foundations, informatics, language, logic, and neuroscience. Of these three courses, at least two must be at or above the 200 level, and at least one at or above the 300 level.

The following courses are preapproved for the seven concentrations:

**Cognition:** Psychology P101/P151 or P106, P211, P325, P329, P330, P335, P350, P424, P435, P438, P443.

**Computation:** Computer Science B401, C211, C212, C241, C311, C335, C343, B351/Q351 (or their honors equivalents).

**Foundations:** Philosophy P310, P312, P320, P360, P366.

**Informatics:** Informatics I101, I200, I210 (or CSCI A201), I211 (or CSCI A202), I300, I320; CSCI A346.

**Language:** Linguistics L303, L306, L307, L308, L310, L325, L430, L490, Psychology P438.

**Logic:** Philosophy P250, P251, P350, P352.  
**Neuroscience:** Cognitive Science Q301; Psychology P101/P151 or P106, P211, P326, P407, P410, P411, P423, P426.

In addition to these preapproved concentrations, other specialized concentrations may be designed by individual students and submitted for approval to the cognitive science undergraduate curriculum committee.

3. **BREADTH:** Three ADDITIONAL courses from at least two different departments, outside of the concentration area. Courses from those departments included on the list at the end of this section are preapproved. The cognitive science undergraduate curriculum committee must approve courses not on the list, on an individual basis.
4. **SENIOR SEMINAR:** Students must complete COGS Q400 Senior Seminar in the Cognitive and Information Sciences.

### Minor in Cognitive Science

The minor in cognitive science consists of 19 credit hours including:

1. **CORE:** The four-course sequence: Q240, Q250, Q270, and Q320.
2. **ELECTIVE:** At least one additional course related to cognitive science, at the 300 level or above, of a minimum of 3 credit hours, from outside the student's major department or program, to be approved by the Department of Cognitive Science undergraduate advisor. Note: It is recommended, but not required, that this fifth course be: COGS Q301: Brain and Cognition (3 cr.).

### Departmental Honors Program

Students who, in addition to fulfilling the requirements for the major in cognitive science, also carry out an independent project and an honors thesis may be eligible for honors in cognitive science. Application for admission to the cognitive science honors program may be made during the sophomore or junior year to the Director of Undergraduate Studies in cognitive science. Students must have a minimum cumulative grade point average of 3.3 to be eligible for consideration and must maintain this minimum average to graduate with honors. Students must take Q499. The honors thesis must be certified by a committee of at least three faculty members. The committee director and at least one other member must be Cognitive Science program faculty. Students who wish to combine honors projects in cognitive science and another department or program may apply to both areas, and every

attempt will be made to accommodate such a plan.

### Major in Cognitive Science—B.S.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
2. Mathematics: three courses, with at least one course at the 300 level or above, from the following: MATH M118, M119, M120, any 200 level or higher (includes PSY K300 and equivalent statistics courses).
3. Foreign Language: three semesters in the same language, or equivalent proficiency.
4. Arts & Humanities: two courses (may include Topics E103 or Honors equivalent).
5. Social & Historical Studies: two courses (may include Topics E104 or Honors equivalent).
6. Natural Sciences (N & M): two courses (may include Topics E105 or Honors equivalent).

#### Major Requirements

1. **CORE:** The four-course sequence: Q240, Q250, Q270, Q320 (NOTE: Credit will not be given for both COGS Q260 and Q320.)
2. **CONCENTRATION:** Three courses in one of the following areas: cognition, computation, informatics, language, logic, and neuroscience. Of these courses, at least two must be at or above the 200 level, and at least one at or above the 300 level. The following courses are pre-approved for the six concentrations:  
**Cognition:** Psychology P101/P151 or P106, P211, P325, P329, P330, P335, P350, P424, P435, P438, P443.  
**Computation:** Computer Science C211, C212, C241, C311, C335, C341, C343, B351/Q351 (or their Honors equivalents).  
**Informatics:** Informatics I101, I200, I210 (or CSCI A201), I211 (or CSCI A202), I300, I320; CSCI A346.  
**Language:** Linguistics L303, L306, L307, L308, L310, L325, L430, L490, Psychology P438.  
**Logic:** Philosophy P250, P251, P350, P352.  
**Neuroscience:** Cognitive Science Q301; Psychology P101/P151 or P106, P211, P326, P407, P410, P411, P423, P426.  
 In addition to these preapproved concentrations, other specialized concentrations may be designed by individual students and submitted for approval to the cognitive science undergraduate curriculum committee.
3. COGS Q301 Brain & Cognition.

4. **Computation:** Two courses from approved list of 200+ level courses from the Computer Science Department. NOTE: Students pursuing a computation concentration must complete coursework in addition to this requirement.
5. **BREADTH:** Three ADDITIONAL courses from at least two different departments, outside of the concentration area. Courses from those departments included on the list at the end of this section are preapproved. The cognitive science undergraduate curriculum committee must approve courses not on the list, on an individual basis.
6. **SENIOR SEMINAR:** Students must complete Q400 Senior Seminar in the Cognitive and Information Sciences.
7. **RESEARCH:** At least 6 credit hours from any combination of COGS Q493, Q495, AND Q499.

### Cognitive Science Course Descriptions

**Q250 Mathematics and Logic for the Cognitive and Information Sciences (4 cr.)** N & M P: Mastery of two years of high school algebra or the equivalent. An introduction to the suite of mathematical and logical tools used in the cognitive and information sciences, including finite mathematics, automata and computability theory, elementary probability, and statistics, together with short introductions to formal semantics and dynamical systems. Credit will not be given for both COGS Q250 and INFO I201.

**Q270 Experiments and Models in Cognition (4 cr.)** N & M P: Mastery of two years of high school algebra or the equivalent. R: PSY K300 or equivalent familiarity with statistics. This course develops tools for studying mind and intelligence, including experimental techniques, and mathematical and computational models of human behavior. Topics include neural structures for cognition, attention, perception, memory, problem solving, judgment, decision making, and consciousness. Students will design and analyze laboratory experiments and apply formal models to the results.

**Q320 Computation in the Cognitive and Information Sciences (4 cr.)** N & M P: One semester of computer programming or equivalent experience, and mastery of two years of high school algebra or the equivalent. R: CSCI A201 or C212. Students will develop their computer programming skills, learning to write programs that simulate cognitive processes and that run experiments with human subjects. The nature of computation, the relation between computation and intelligence, and a selection of approaches from artificial intelli-

gence will be explored. Credit not given for both Q260 and Q320.

**Q493 Research in the Cognitive and Information Sciences (1-3 cr.)** P: Consent of instructor. Active participation in research under faculty supervision. May be repeated for a maximum of 6 credit hours. S/F grading.

### Courses Related to Cognitive Science

The following courses in other departments are considered to lie within the scope of cognitive science. Those marked with an asterisk are preapproved to meet concentration requirements.

#### Computer Science

- A201 Introduction to Programming I (4 cr.) N & M  
 A202 Introduction to Programming II (4 cr.) N & M  
 A247 Network Technologies and Administration (4 cr.)  
 A304 Introductory C++ Programming (2 cr.)  
 A306 Object-Oriented Programming in C++ (2 cr.)  
 A346 User-Interface Programming (3 cr.)  
 \*C211 Introduction to Computer Science (4 cr.) N & M  
 \*H211 Introduction to Computer Science, Honors (4 cr.) N & M  
 \*C212 Introduction to Software Systems (4 cr.) N & M  
 \*H212 Introduction to Software Systems (4 cr.) N & M  
 \*C241 Discrete Structures for Computer Science (3 cr.) N & M  
 \*H241 Discrete Structures for Computer Science, Honors (3 cr.) N & M  
 \*C311 Programming Languages (4 cr.) N & M  
 \*H311 Programming Languages, Honors (4 cr.) N & M  
 \*C335 Computer Structures (4 cr.) N & M  
 \*H335 Computer Structures, Honors (4 cr.) N & M  
 \*B401 Fundamentals of Computing Theory (3 cr.) N & M  
 \*H401 Fundamentals of Computing Theory, Honors (3 cr.) N & M  
 \*C343 Data Structures (4 cr.) N & M  
 \*H343 Data Structures Honors (4 cr.) N & M  
 \*B351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.) N & M (Cross-listed as COGS Q351)

#### School of Informatics

- \*I101 Introduction to Informatics (3 cr.)  
 \*I200 Information Representation (3 cr.)  
 \*I210 Information Infrastructure I (4 cr.)

- \*I211 Information Infrastructure II (4 cr.)  
 \*I300 Human Computer Interaction (3 cr.)  
 \*I320 Distributive Systems and Collaborative Computing (3 cr.)

#### Linguistics

- L103 Introduction to the Study of Language (3 cr.) S & H  
 L210 Topics in Language and Society (3 cr.) S & H  
 \*L303 Introduction to Linguistic Analysis (3 cr.) N & M  
 \*L306 Phonetics (3 cr.) N & M  
 \*L307 Phonology (3 cr.) N & M  
 \*L308 Morphology (3 cr.)  
 \*L310 Syntax (3 cr.) N & M  
 \*L325 Semantics (3 cr.) N & M  
 \*L430 Language Change and Variation (3 cr.) S & H  
 L431 Field Methods (3 cr.)  
 L432 Advanced Field Methods (3 cr.)  
 \*L490 Linguistic Structures (3 cr.)

#### Philosophy

- P100 Introduction to Philosophy (3 cr.) A & H  
 P105 Thinking and Reasoning (3 cr.) A & H  
 \*P250 Introductory Symbolic Logic (3 cr.) N & M  
 \*P251 Intermediate Symbolic Logic (3 cr.) N & M  
 \*P310 Topics in Metaphysics (3 cr.) A & H  
 \*P312 Topics in the Theory of Knowledge (3 cr.) A & H  
 \*P320 Philosophy of Language (3 cr.) A & H  
 \*P350 Logic of Sets (3 cr.)  
 \*P352 Logic and Philosophy (3 cr.) A & H  
 \*P360 Introduction to Philosophy of Mind (3 cr.) A & H  
 \*P366 Philosophy of Action (3 cr.) A & H

#### Psychology

- \*P101/P151 Introductory Psychology I (3 cr.) N & M  
 or \*P106 General Psychology, Honors (4 cr.) N & M  
 P201 Biological Bases of Behavior (3 cr.) N & M  
 \*P211 Methods of Experimental Psychology (3 cr.) N & M  
 \*P325 Psychology of Learning (3 cr.) N & M  
 \*P326 Behavioral Neuroscience (3 cr.)  
 \*P329 Sensation and Perception (3 cr.) N & M  
 \*P330 Perception/Action (3 cr.) N & M  
 \*P335 Cognitive Psychology (3 cr.) N & M  
 \*P350 Human Factors (3 cr.) N & M

P405 Elementary Mathematical Psychology (3 cr.) N & M

\*P407 Drugs and the Nervous System (3 cr.)

\*P410 Development of the Brain and Behavior (3 cr.)

\*P411 Neural Bases of Learning and Memory (3 cr.)

P417 Animal Behavior (3 cr.) N & M

\*P423 Human Neuropsychology (3 cr.)

\*P424 Laboratory in Sensation and Perception (3 cr.)

\*P426 Laboratory in Behavioral Neuroscience (3 cr.)

P429 Laboratory in Developmental Psychology (3 cr.)

\*P435 Laboratory in Human Learning and Cognition (3 cr.)

\*P438 Language and Cognition (3 cr.) N & M

\*P443 Cognitive Development (3 cr.)

P444 Developmental Psychobiology (3 cr.)

P448 Social Judgment and Person Perception (3 cr.)

## Communication and Culture

**C382 Internship in Communication and Culture (1-3 cr.)** P: Junior or senior standing; at least 12 semester credit hours completed in the department; advanced arrangement with individual faculty member. Faculty-supervised work in a communications field related to student's academic interests. Student must write a critical analysis paper and be evaluated by a workplace supervisor. May be repeated, but a maximum of 3 credit hours will apply toward the 30 credit hours required for the major. S/F grading.

**C430 Native American Communication and Performance (3 cr.)** CSA Survey of communicative patterns in Native American cultures and their realization in performance, including oral performance (e.g., narrative, oratory), ceremonial (e.g., feast days, powwow), and media (e.g., radio, film). We will also explore the use of performance forms as symbolic resources in literature, photography, and film.

## Comparative Literature

### Literature and the Other Arts

**C151 Introduction to Popular Culture (3 cr.)** A & H, CSB Explores the scope and methodologies for the serious study of entertainment for mass consumption, including popular the-

atre and vaudeville, bestsellers, mass circulation magazines, popular music, phonograph records, and popular aspects of radio, film, and television. Provides the basic background to other popular culture courses in comparative literature.

### Literary Relations

**C310 Film and Literature (3 cr.)** A & H Analysis of the processes and problems involved in turning a literary work (novel, play, or poem) into a screenplay and then into a film. Close study of literary and film techniques and short exercises in adaptation.

**C464 French Language Literature of Africa and the Americas (3 cr.)** A & H, CSA Literary texts and films, their poetics and historical contexts. Particular consideration of the tension surrounding the use of French language in Africa and the Caribbean and the creation of French language literatures, their relationship to local oral traditions and metropolitan French literature. Course will be conducted in French.

## Computer Science

### Major in Computer Science—B.S.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
2. Foreign language: three semesters in the same language, or equivalent proficiency.
3. Arts and Humanities and Social and Historical Studies: total of five courses with at least two courses in each of the two groups.
4. Mathematics: M211 (or equivalent proficiency) and at least two mathematical science courses. (See "Introduction to Computer Science" in the 2000-2002 College of Arts and Sciences Bulletin.)
5. Natural Sciences: 12 credit hours.

### Computer Science Course Descriptions

**A110 Introduction to Computers and Computing (3 cr.)** N & M P: One year of high school algebra or MATH M014. Basic principles of computers and software. Social and lifestyle effects of information technology. Emphasis on problem-solving techniques. Productivity software skills are taught using real-world projects. Lecture and laboratory. Credit given for only one of A106, A110, and A111.

**C241 Discrete Structures for Computer Science (3 cr.)** N & M P: C211. Induction and recursive programs, running time, asymptotic notations, combinatorics and discrete probability, trees and lists, the relational data model, graph algorithms, propositional and predicate logic.

**C311 Programming Languages (4 cr.)** N & M P: C335 or H335. P or C: C343 or H343. Systematic approach to programming languages. Relationships among languages, properties and features of languages, and the computer environment necessary to use languages. Lecture and laboratory.

**C335 Computer Structures (4 cr.)** N & M P: C212 or H212. P or C: C241 or H241. Structure and internal operation of computers. The architecture and assembly language programming of a specific computer are stressed, in addition to general principles of hardware organization and low-level software systems. Lecture and laboratory.

**H335 Computer Structures, Honors (4 cr.)** N & M P: C212 or H212. P or C: H241. Honors version of C335. Credit given for only one of H335 and C335.

**C343 Data Structures (4 cr.)** N & M P: C212 or H212. P or C: C241 or H241. R: C335 or H335. Systematic study of data structures encountered in computing problems, structure and use of storage media, methods of representing structured data, and techniques for operating on data structures. Lecture and laboratory.

**H343 Data Structures, Honors (4 cr.)** N & M P: H212 or C212. P or C: H241. R: H335. Honors version of C343. Credit given for only one of H343 and C343.

**B401 Fundamentals of Computing Theory (3 cr.)** N & M P: C241. P or C: C212. Fundamentals of formal language theory, computation models and computability, the limits of computability and feasibility, and program verification.

**B403 Introduction to Algorithm Design and Analysis (3 cr.)** N & M P: C241 and C343, or honors equivalents, and MATH M216 or M212. Algorithm design methodology. General methods for analysis of algorithms. Analysis of the performance of specific algorithms, such as those for searching and sorting.

**P415 Introduction to Verification (3 cr.)** N & M P: C311. Tools and techniques for rigorous reasoning about software and digital hardware. Safety, reliability, security, and other design-critical applications. Decision algorithms. Projects involving the use of automated reasoning, such as model checkers, theorem provers, and program transformation.

**P423 Compilers (4 cr.)** N & M P: C311 or H311. Compiler design and construction, including lexical analysis, parsing, code generation, and optimization. Extensive laboratory exercises.

**P436 Introduction to Operating Systems (4 cr.)** N & M P: C311, C335, C343, or honors equivalents. Organization and construction of computer systems that manage computational resources. Topics include specification and implementation of concurrency, process scheduling, storage management, device handlers, mechanisms for event coordination. Lecture and laboratory.

**B441 Digital Design (4 cr.)** N & M P: C335 or H335. Organization and logic design of digital systems. Course presents a structured design philosophy, emphasizing hardwired and microprogrammed control. Boolean algebra, hardware building blocks, circuit synthesis, microprogramming. In the laboratory, students build, study, and debug a working minicomputer from elementary hardware components. Lecture and laboratory.

**P442 Digital Systems (4 cr.)** N & M P: B441. Elements of computer architecture construction of hardware systems, emphasizing a combination of components to form systems, and applications of general principles of computing to digital implementation. Lecture and laboratory.

**B443 Introduction to Computer Architecture (3 cr.)** N & M P: C335 and C343, or honors versions. P or C: C311 or H311. Principles of processors, control units, and storage systems. Registers, buses, microprogramming, virtual storage. Relation between computer architecture and system software.

**P465-P466 Software Engineering for Information Systems I-II (3-3 cr.)** N & M P: C335 and C343, or honors versions. P or C: B461. Analysis, design, and implementation of information systems. Project specification. Data modeling. Software design methodologies. Software quality assurance. Supervised team development of a real system for a real client. Credit given for only one of P465-P466 or C445-C446 (discontinued).

**B481 Interactive Graphics (4 cr.)** N & M P: C343 or H343, MATH M301 or M303. Computer graphics techniques. Introduction to graphics hardware and software. Two-dimensional graphics methods, transformations, and interactive methods. Three-dimensional graphics, transformations, viewing geometry, object modeling, and interactive manipulation methods. Basic lighting and shading. Video and animation methods. Credit given for only one of B481 and B581.

## East Asian Languages and Cultures

**Policy on Continuing in the East Asian Language Program** Students wanting to proceed to the next level of an East Asian language must earn a minimum grade of C in their current course. Any student earning a grade less than C and registering for the next semester of an East Asian language will be required to drop the class.

### Chinese Language and Literature

**C451 Advanced Classical Chinese I (3 cr.)** P: A grade of C or better in C307 or C362. Selected readings of representative Chinese poems and essays in the classical period.

**C452 Advanced Classical Chinese II (3 cr.)** P: A grade of C or better in C307 or C362. Selected readings of representative Chinese poems and essays.

### Japanese Language and Literature

**J421 Introduction to Japanese Linguistics (3 cr.)** N & M A descriptive survey of issues in Japanese linguistics. Topics will include syntax, phonology/phonetics, and semantics/pragmatics of Japanese.

### Korean Language and Literature

**K401 Fourth-Year Korean I (3 cr.)** P: A grade of C or better in EALC K302 or equivalent proficiency. Emphasis on advanced reading skills, featuring authentic writings such as newspaper editorials, essays, movie scenarios, and TV news.

**K402 Fourth-Year Korean II (3 cr.)** P: A grade of C or better in EALC K401 or equivalent proficiency. Continuation of K401, completing the fourth year of Korean language study.

### East Asian Culture

**E201 Issues in East Asian Literature (3 cr.)** A & H, CSA Survey and analysis of selected issues in East Asian literature and arts. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**E202 Issues in East Asian Traditions and Ideas (3 cr.)** A & H, CSA Survey and analysis of selected issues in thought and religion of general import. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**E203 Issues in East Asian Cultural History (3 cr.)** S & H, CSA Survey and analysis of

selected issues pertinent to changes in the human condition over time in East Asia. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**E204 Issues in East Asian Society (3 cr.)** S & H, CSA Survey and analysis of selected issues in East Asian political, economic, and cultural institutions of society. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**E350 Studies in East Asian Society (3 cr.)** S & H Selected issues and problems of importance to the understanding of East Asian society. May be repeated with a different topic for a maximum of 6 credit hours.

**E352 Studies in East Asian History (3 cr.)** S & H Selected issues and problems of importance to the understanding of East Asian history. May be repeated with a different topic for a maximum of 6 credit hours.

### East Asian Culture Courses, by Subject Area

#### History and Society

EALC E302 Geographic Patterns in China S & H, CSA

EALC E350 Studies in East Asian Society S & H

EALC E352 Studies in East Asian History S & H

EALC E354 Society and Education in Japan S & H, CSA

EALC E384 East Asian Nationalism and Cultural Identity S & H, CSA

EALC E385 Asian Americans: Cultural Conflict and Identity S & H, CSA

EALC E394 Business and Public Policy in Japan S & H, CSA

EALC J441 Readings in Japanese Scholarly Materials S & H

HIST G357 Premodern Japan S & H, CSA

HIST G358 Early Modern Japan S & H, CSA

HIST G369 Modern Japan S & H, CSA

HIST G372 Modern Korea S & H, CSA

HIST G380 Early China S & H, CSA

HIST G382 China: The Age of Glory S & H, CSA

HIST G383 China: The Later Empires S & H, CSA

HIST G385 Modern China S & H, CSA

HIST G387 Contemporary China S & H, CSA

POLS Y333 Chinese Politics S & H, CSA

POLS Y334 Japanese Politics S & H, CSA

Other courses that may count toward the majors

CMLT C257 Asian Literature and the Other Arts A & H, CSA

CMLT C265 Introduction to East Asian Poetry A & H, CSA

CMLT C266 Introduction to East Asian Fiction A & H, CSA

CMLT C291 Studies in Non-Western Film A & H, CSA

EALC E201 Issues in East Asian Literature A & H, CSA

EALC E202 Issues in East Asian Traditions and Ideas A & H, CSA

EALC E203 Issues in East Asian Cultural History S & H, CSA

EALC E204 Issues in East Asian Society S & H, CSA

EALC E231 Japan: The Living Tradition A & H, CSA

EALC E232 China: The Enduring Heritage A & H, CSA

EALC E233 Survey of Korean Civilization A & H, CSA

EALC E251 Traditional East Asian Civilization S & H, CSA

EALC E252 Modern East Asian Civilization S & H, CSA

EALC E256 Land and Society in East Asia S & H, CSA

EALC E270 Japanese Language and Society A & H, CSA

EALC E271 Twentieth-Century Japanese Culture A & H, CSA

EALC E316 Computer Enhanced Language Learning

FINA A262 Introduction to Japanese Art and Culture S & H, CSA

HIST H208 American–East Asian Relations S & H, CSA

## Economics

**E175 Economics for Educators (3 cr.)** This course covers basic concepts and analytical techniques in both microeconomics and macroeconomics. Emphasis is placed on active learning exercises, discussion and analysis of current events, group problem solving, and other instructional techniques useful in primary and secondary education. Enrollment is limited to students in the School of Education.

**E327 Game Theory (3 cr.)** S & H P: E321. Mathematical analysis of strategic interaction. Noncooperative games played once or repeat-

edly, with perfect or imperfect information. Necessary condition for a solution (equilibrium) as well as sufficient conditions (refinements). Cooperative games, such as bargaining and market games. Numerous applications, including experimental games.

## English

### Interdepartmental Major in English and Afro-American Studies

**Requirements** Students must meet the following course requirements for a minimum total of 40 credit hours.

#### English

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

- L202 Literary Interpretation.
- L371 Introduction to Criticism.
- One 300-level course appropriate to each of four periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth century; the nineteenth century; 1900 to the present.

#### Afro-American Studies

At least 18 credit hours of which at least 12 credit hours must be at the 300 level or above, including:

- A150 Introduction to Afro-American Culture.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- Three courses from among the following: A249 Afro-American Autobiography, A383 Blacks in American Drama and Theatre 1767-1945, A384 Blacks in American Drama and Theatre 1945-Present, A479 Contemporary Black Poetry, A480 The Black Novel, A493 Senior Seminar in Afro-American Studies.

### English Language

**G302 Structure of Modern English (3 cr.)** Linguistic analysis of present-day spoken and written English, with attention to its phonemic, morphemic, and syntactical systems and its system of expressive features. II Sem.

## Literature

**L399 Junior Honors Seminar (3 cr.) P:** Approval of departmental honors committee. May be repeated once for credit.

## Fine Arts

### History of Art

**A200 Topics in Art History (3 cr.)** Various topics in the history of art will be offered depending upon instructors and their area of expertise. May be repeated with a different topic for a maximum of 6 credit hours.

### Computer Art

**T320 Video Art (3 cr.) A & H** Exploration of the medium of video as an aesthetic expression. Time and sound are elements incorporated into visual composition's traditional concerns. Emphasis on technical command of 1/2" VHS camera and editing procedures in conjunction with development of a visual sensitivity. Readings and a research project are also required. Credit given for only one of T220 and T320.

**T330 Interactive Media (3 cr.)** An intermediate-level production course, this class offers the opportunity to investigate several interactive art production methods with particular attention to time, narrative structure, and sound in addition to imagemaking. Emphasizes conceptual and creative potential of the technology.

**T338 Special Topics in Digital Media (3 cr.)** Special topics in computer-related art production. May be repeated for a maximum of 6 credit hours.

**T340 3D Computer Graphics (3 cr.) P:** Consent of the instructor. Hands-on studio course exploring the technical development of three-dimensional computer graphics for state-of-the-art display systems. Students will investigate user-interface design, create 3D graphical environments, and explore the parallel drives toward content creation and visual aesthetics.

**T420 Digital Video (3 cr.)** A study of the techniques of generating and editing digital imagery, sound, and video. Students will apply their concept to the nonlinear digital editing system while learning new visual vocabulary from this innovative platform. The class also covers special effects and animation programs that will allow artists to further explore the aesthetics of time-based media.

**T430 Advanced Multimedia (3 cr.)** A broad range of aesthetic and conceptual issues relat-

ing to digital material and electronic interactivity. Students are encouraged to develop experimental narrative based on digital multimedia, video, hypertext, or incorporation or object based media such as kinetic sculpture and installation. Research and presentation on related topics is required.

**T439 Advanced Digital Media Project (2-6 cr.)** Independent project of digital media under the supervision and consultation of the instructor. May be repeated for a maximum of 12 credit hours.

**T440 Computer Graphical Environments (1-6 cr.) P:** Consent of the instructor. Students will develop three-dimensional graphic environments to visualize and conceptualize creative constructs for real-time VR environments. Students will explore art creation and spatial simulation in 3-D graphical environments, including animation, interaction, and lighting and design. Discussion of timely issues is encouraged based on readings, videos, CD-ROMs, and visits to galleries, museums, Web sites, and alternative spaces. May be repeated for a total of 20 credit hours.

### Fibers

**S311 Printed and Dyed Textile Design II (3 cr.) A & H P:** S220. Lacquer film silk screening of yardage and extensive designing in tie-dye and batik, followed in second semester with designing for liquid block-out screens and introduction to color separations, mixed media printing, and color studies for vat dyes. May be repeated once.

### Sculpture

**S479 B.F.A. Sculpture Seminar (1 cr.)** P: Admission into the B.F.A. Sculpture program. Weekly critiques, assigned readings, discussions, slide lectures, and special research projects. May be repeated for a total of 10 credit hours.

## Department of Folklore and Ethnomusicology

**F402 Traditional Arts Indiana (1-3 cr.)** Designed as a practicum for students to work collaboratively in applying the methods and approaches of folklore studies to public needs and public programs. Students will engage in a variety of outreach projects linking the university to the larger community in the areas of public arts and culture and cultural documentation.

## French and Italian

### Courses in French Language, Literature, and Civilization

#### 400-Level Courses

**F413 French Renaissance (3 cr.) A & H** Rabelais, Montaigne, the Pléiade, and others.

**F443 Nineteenth-Century Novel I (3 cr.) A & H** Balzac, Stendhal, and others.

**F444 Nineteenth-Century Novel II (3 cr.) A & H** Flaubert, Zola, and others.

### Courses in Italian Language, Literature, and Civilization

**M110 Italian Language for Opera Lovers (4 cr.) P:** Consent of department. An analysis of the Italian language through a close reading of the librettos of the major Italian operas. Combines language lessons of M100 and M150 into one semester. Recommended for music students with previous foreign language experience. Students who complete M110 cannot also receive credit for M100, M115, or M150.

**M222 Topics in Italian Culture (3 cr.) CSA** Selected readings emphasizing a particular author, genre, or theme in Italian culture. Interdisciplinary approach combining political, historical, social, and artistic methods. Subjects vary from semester to semester and are listed in the *Schedule of Classes*. May be repeated with a different topic for a maximum of 6 credit hours. No credit in the Italian major.

**M445 Risorgimento (3 cr.) A & H, CSA** P: Junior or senior standing. A survey of nineteenth-century Italian history and culture, seen in all its varied manifestations. Particular emphasis will be given to the Risorgimento period, as portrayed in music, art, literature, and film.

**M450 Seminar in Italian Literature (up to 6 cr.) A & H P:** M308 or consent of instructor. Selected topics in Italian literature. Course content varies and is identified in the *Schedule of Classes*. May be repeated for up to 12 credit hours with different topics.

## Geography

### Major in Geography—B.A.

**Recommendations** Students ordinarily select one of the following concentration areas and identify a faculty member or members associated with that concentration area to be their advisor.

- A. Atmospheric Science Program** Complete G304 and G350; select from G250, G336, G405, G407, G431, G433, G434, G470, and G475; additionally G450, G460, G471, G472, G473, G477, and G489. (Grimmond, Pryor, Robeson, Schmid)
- B. Environmental Program** Select from G304/G305 and G306/G315 and at least one 400-level course. *Courses within this concentration include* G185, G208, G237, G304, G305, G306, G315, G405, G440, G450, G460, and G475. Other recommended courses include G250, G336, G338, G350, and G488. (Black, Greer, Grimmond, Pryor, Robeson, Schmid, Unruh)
- C. Spatial Analysis and Geographic Information Systems Program** G237, G250, G336, G337, G338, G438, G439, G450, G460, and G488. (Evans, Odland, Robeson)
- D. Global Studies Program** Select courses from E302, G210, G306 (when it has regional focus), G317, G323, G326, G340, G425, G427, G428, G450, and G460. (Conway, Greer, Knudsen, Odland, Unruh)
- E. Urban and Regional Systems Program** Select courses from G237, G302, G306, when appropriate G314, G316, G317, G320, G338, G412, G414, G415, G419, G430, G441, G450, G460, and G488. (Black, Conway, Knudsen, Odland)

### Geography Course Descriptions

**G185 Global Environmental Change (3 cr.) N & M** The scientific basis behind natural and human-induced global environmental changes. Geological perspective of the formation of the earth. Human activities influencing the natural system, including population, deforestation, water usage, acid rain, ozone depletion, smog, and global warming. Subsequent human reactions.

**G210 Introductory Political Geography (3 cr.) S & H P:** Junior standing or consent of instructor. Considers geopolitics and geographical political economy. Features the role that geography plays in legitimizing political territories from trading blocs to subnational regions to global cities in the global system as a background to current events.

**G302 Introduction to Transportation Analysis (3 cr.) S & H** Examination of movement of people, goods, and information over space using spatial analysis and planning techniques.

**G317 Geography of Developing Countries (3 cr.) S & H, CSA** Analysis of spatial processes in the Third World with emphasis on the processes of migration, urbanization, and resource development. Examination of alternative theories of the development process.

**G409 History and Philosophy of Geography (3 cr.) S & H P:** Consent of instructor. This course examines the history of geography. Particular reference is made to the use of philosophical traditions of positivism, structuralism, humanism, and postmodernism within geography and to the major debates about philosophy and methodology in the last two centuries within the discipline.

**G416 Advanced Economic Geography (3 cr.)** Advanced economic geographic theory and location decision making. Applications include agricultural, industrial, and commercial location decision making as well as geographic understanding of the wider regional development process. Students will be expected to demonstrate understanding of theories and location decision making graphically and mathematically.

**G419 Urban Land Use Planning (3 cr.) S & H P:** G314, G415, or consent of instructor. Land use planning principles including the comprehensive planning process, land use assessment, urban design, zoning and land use regulation, site and subdivision design, capital improvements, and historical preservation. Emphasizes the applied aspects of land use planning in public and private sectors.

**G425 Africa: Contemporary Geography Problems (3 cr.) S & H, CSA** Examines contemporary geographic problems confronting the countries of sub-Saharan Africa. Primary focus on urbanization, rural-urban migration, unemployment, agriculture, and health care. Also analyses of terrain, resource base, and other aspects of the natural environment.

**G436 Advanced Remote Sensing: Digital Image Processing (3 cr.) P:** G336 or consent of instructor. Advanced remote sensing theory and digital image processing techniques with an emphasis on environmental applications. Hands-on computer exercises provide significant experience in introductory digital image processing for extraction of qualitative and quantitative information about the Earth's terrestrial environments.

**G438 Advanced Geographic Information Systems (3 cr.) P:** G338 or consent of instructor. Intermediate and advanced topics in geographic information science and spatial analysis techniques using GIS software. This advanced course is for upper-division undergraduates and graduates who seek a greater understanding of this rapidly developing field and to learn how to construct, manage, and analyze their own GIS data and models.

**G439 Seminar in Geographic Information Science (3 cr.) P:** G336, G338, and G436 or G438. Applications of geographic information science principles in the collection and analysis of spatial data. Integration of GIS, remote sensing, and/or GPS technologies. Review of current literature on techniques, theory, technology, and applications with an emphasis on environmental issues. Discussions, laboratory, and research project. May be repeated with a different topic for a maximum of 6 credit hours.

**G460 Internship in Geographical Analysis (1-6 cr.) P:** Consent of instructor. Faculty-directed study of geographical problems based on an internship experience. Student's area of placement must be related to major field of study and may involve staff work or research. Maximum of 3 credit hours will count toward major. May be repeated for a maximum of 6 credit hours. Credit not given for both G400 and G460.

## Germanic Studies

### German

**G330 Deutsch: Mittelstufe II (3 cr.) P:** G300 with a minimum grade of C-. Advanced oral and written communication. Study of selected advanced grammatical topics. Reading of primarily non-literary texts. Conducted in German. Required for teacher certification. I Sem., II Sem.

**G400 Deutsch: Oberstufe (3 cr.) P:** G330 with a minimum grade of C-. Reading, discussion, and analysis (structural and grammatical) of advanced non-literary texts (academic essays, scientific articles, journals, newspaper articles, interviews, etc.). Development of writing skills. Conducted in German.

## History

### Interdepartmental Major in History and Afro-American Studies

**Requirements** Students must meet the following course requirements for a minimum total of 40 credit hours. No course counting toward completion of the upper-level hours requirement of the History concentration can also be counted toward completion of the upper-level hours requirement of the Afro-American Studies concentration.

### History

At least 18 credit hours of History courses, including:

- At least 15 hours of 300/400-level courses (a J200 may be substituted for 3 hours of 300-400 level courses; only one of A355 Afro-American History I or A356 Afro-American History II taken in either History or Afro-American Studies could be counted toward these 15 hours).
- At least one seminar chosen from J400, J450, J477, J478, K391 or K392.
- Any two courses in non-U.S. History (i.e., Western European, Russia and East Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
- At least 9 hours of these History courses must be completed in residence at the IU-Bloomington campus.

### Afro-American Studies

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

- A150 Survey Culture of Black Americans.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- 9 additional hours from the History, Culture and Social Issues Concentration. These 9 credit hours may include the Senior Seminar.

## History Course Descriptions

### United States History

**A352 History of Latinos in the United States (3 cr.) S & H, CSA** Latino experience in the United States from 1848. Economic and social factors of the Latino role in a non-Latin nation. Credit given for only one of HIST A352 and LATS L210.

**A370 Africans in Colonial America (3 cr.) S & H** This course examines the experience of African people in the British colonies of North America, stressing the origins and dynamics of African American cultures and communities prior to the American Revolution.

**A384 Society, Culture, and Politics in Antebellum America (3 cr.)** This course examines major issues in the United States between 1815 and 1860. Topics include the market revolution, the expansion of slavery, the "second party system," "Jacksonian democracy," evangelical Christianity, reform movements, and the coming of the Civil War. This course stresses the interconnections between economic, social, cultural, and political developments.

### Medieval and Modern Europe

**H209 The Origins of Britain (3 cr.) S & H, CSA** England to 1688. Political and constitutional developments, particularly in relation to Henrician Reformation and Puritanism. I Sem.

**H210 Britain's Road to Modernity (3 cr.) S & H, CSA** England from 1688 to present. Political and economic movements, such as liberalism and socialism, arising out of the industrialization of Britain. II Sem.

**B224 The Emergence of Europe (3 cr.) S & H** This course seeks to answer the questions of how and why Europe emerged as the dominant political and economic power in the world, succeeding in subjugating other peoples around the globe, and then lost that role.

**B322 Jews in the Modern World (3 cr.) S & H, CSA** Topics include Emancipation, the Jewish Enlightenment, modern Judaism, Eastern European Jewry, Jewish politics, women in Jewish society, American Jewry, the Holocaust, Israel.

### Russian and East European History

**D320 Modern Ukraine (3 cr.) S & H** A history of one of the most neglected nations in European history, once the breadbasket of the Soviet Union and now one of the largest nations in Europe. Examines issues of national identity and national consciousness and explores the place of Ukraine in Eurasian history.

### Proseminars and Special Topics

**T300 Issues in History (3 cr.) S & H** Study and analysis of selected historical issues and problems of limited scope. Topics will vary but will usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**T400 Issues in History (3 cr.) S & H** Intensive study and analysis of selected historical issues and problems of limited scope. Topics will vary but will ordinarily cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

## India Studies

**I368 Philosophies of India (3 cr.) A & H, CSA** Historical and critical-analytic survey of the major intellectual traditions of the cultures and civilizations of India. Attention to early philosophizing and the emergence of the classical schools in Hindu, Buddhist, and Jain traditions. Attention also to contemporary thought in India, including critical theory and subaltern theorizing. Credit given for only one of INST I368, PHIL P328, or REL R368.

## International Studies Program

**I115 Exploring International Studies (3 cr.)** Offered in conjunction with the "International Studies Summer Institute," this course examines a wide range of international issues including global environmental change, international economics, populations-at-risk, and conflict resolution through the overall theme of globalization. The objective is to develop critical skills through analysis of current international issues.

**I325 International Issues through Foreign Languages (1 cr.)** This seminar will examine an international issue through a foreign perspective. Course readings and discussions will be conducted in a foreign language at an advanced level. The seminar's objective is to expose participants to global problems utilizing non-U.S. sources.

## Jewish Studies

### Introduction of Jewish Studies as a Single Major

Students in the Jewish Studies Program can pursue either a B.A. in Jewish Studies (as a single major) or an area certificate in Jewish Studies. Both programs are open to students from all academic and personal backgrounds.

### Major in Jewish Studies

**Purpose** Students with a B.A. in Jewish Studies will have concentrated on major aspects of the Jewish experience: they will understand the long history of the Jewish people, its connection over millennia to diverse cultures, and the formative influences of Jews on world civilization. In acquiring such knowledge, students will relate Jewish thought and tradition to the surrounding world and will enrich their understanding of world societies and cultures.

**Requirements** Students must complete the following:

- Two semesters of modern Hebrew (NELC H100-H150), biblical Hebrew, (NELC N171-N172), or Yiddish (GER Y100-Y150).
- REL R245 Introduction to Judaism or HIST H251 Introduction to Jewish History: from the Bible to the Crusades. REL R245 or HIST H251 must be taken on the Bloomington campus. Only one of these courses may be counted toward the Jewish Studies major.

- HIST H252 Introduction to Jewish History: from the Crusades to the Present. This course must be taken on the Bloomington campus.
- Area of specialization. Four courses in one of three areas of specialization: Language and Literature; History and Society; Religion and Thought. Credit acquired through language testing or through transfer credit from universities other than The Hebrew University will not exceed the equivalent of two courses in the student's area of specialization.
- Two additional courses must be completed in one of the other two areas of specialization listed above.
- A student must complete a minimum of 10 credit hours of course work in Jewish Studies on the IU Bloomington campus. A maximum of three courses may be credited toward the major from language testing or transfer credit.
- Students electing the Language and Literature area who study at The Hebrew University in Jerusalem must take an advanced Hebrew course on the IU Bloomington campus upon their return, unless an exception is made by the Jewish Studies advisor or they have completed a 300-level Hebrew language course at IU before going to The Hebrew University and there take Hebrew courses at the Gimel level.
- GradPact students must comply with additional requirements.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Latino Studies

### Introduction

The Program of Latino Studies (LATS) will introduce students to a wide range of current research and scholarly opinion on the history, culture, and social status of Latinos in the United States. It will address issues embracing the U.S. population whose roots are traced to original Spanish-speaking citizens of this country and immigrants from countries in Latin America and the Caribbean. The program will provide the opportunity for its students to develop a deep understanding of Latinos from an interdisciplinary perspective including political science, sociology, history, music, literature, technology, ethnology, and anthropology.

**L210 Introduction to Latina/o History (3 cr.)** S & H, CSA General inquiry into the historical

and cultural heritage of Latinas/os who have lived or currently live in what is today the United States. Through readings and discussion, the course studies the varied histories of Mexican, Puerto Rican, Cuban, and other Latin American peoples in the United States. Credit given for only one of LATS 210 and HIST A352.

**L325 Latinos on the Internet (3 cr.)** CSA P: LATS L210 or L211, or permission of instructor. An intensive inventory, analysis, and critique of Latino-oriented Web-based materials as well as materials targeted to the general population to discover how well they suit the needs and preferences of the Latino population and how they might be improved.

**L490 Individual Reading in Latino Studies (1-3 cr.)** P: Consent of department. Intensive study of selected authors and/or topics. May be repeated with a different topic for a maximum of 6 credit hours.

## Linguistics

**L445 The Computer and Natural Language (3 cr.)** Present-day computer systems work with human language in many different forms, whether as stored data in the form of text, typed queries to a database or search engine, or speech commands in a voice-driven computer system. We also increasingly expect computers to produce human language, such as user-friendly error messages and synthesized speech. This course surveys a range of linguistic issues and problems in computational linguistics.

## Mathematics

**X015 Introductory Algebra (2 cr.)** P: One year of high school algebra. Designed to provide basic algebraic skills needed for the study of higher-level algebra courses such as X019 or M025: linear and quadratic equations, operations on polynomials, graphs of lines. Credit may not be applied toward a degree in COAS, BUS, HPER, EDUC, or SPEA. I Sem., II Sem., SS.

**X018 Basic Algebra for Finite Mathematics (2 cr.)** P: One year of high school algebra. Designed to provide algebraic skills needed for the study of finite mathematics: linear equations and inequalities and their graphs, systems of equations, sets, and basic counting. Credit may not be applied toward a degree in COAS, BUS, HPER, EDUC, or SPEA. I Sem., II Sem., SS.

## Medieval Studies

**M200 Medieval Cultures (3 cr.)** A & H, CSA Introduction to medieval cultures and life. May be repeated once with a different topic for a maximum of 6 credit hours.

## Philosophy

### Interdepartmental Honors Program in Philosophy and Religious Studies

Students with a minimum grade point average of 3.3 are eligible for the interdepartmental honors program in philosophy and religious studies, which culminates with one final honors thesis that combines notions from both disciplines. The honors program has the additional following requirement:

One of the following pairs of courses:

- P498, senior seminar, and P499 senior thesis (Philosophy) **or**
- R399, a tutorial of independent reading and research, and R499, a senior thesis, or an appropriate equivalent (Religious Studies).

The choice of the pair depends on whether the student works with a Philosophy or Religious Studies faculty member. Thesis will be judged by an honors committee that consists of members from both departments.

## Physics

**P425 Introductory Biophysics (3 cr.)** N & M Overview of cellular components; basic structures of proteins, nucleotides, and biological membranes; solution physics of biological molecules; mechanics and motions of biopolymers; physical chemistry of binding affinity and kinetics; physics of transport and initial transduction; biophysical techniques such as microscopy and spectroscopy; mathematical modeling of biological systems; biophysics in the post genome era, etc.

## Political Science

**Y353 Women and Politics in Comparative Perspective (3 cr.)** S & H, CSA Exploration of how different social, economic, and political practices have influenced the construction of gender and sexuality outside of the United States. Examines the interplay between gender relations and characteristics of public and private institutions. May be repeated, with a different topic, for a maximum of 6 credit hours.

**Y395 Quantitative Political Analysis (3 cr.)**  
N & M P: MATH M118 or A118 or equivalent. Introduction to methods and statistics used in political inquiry, including measures of central tendency and dispersion, probability, sampling, statistical inference and hypothesis testing, measures of association, analysis of variance, and regression. Credit given for only one of the following: POLS Y395, CJUS K300, SOC S371, ECON E370 or S370, MATH/PSY K300, K305, or K310, ANTH A306, or SPEA K300.

## Religious Studies

### Interdepartmental Honors Program in Religious Studies and Philosophy

Students with a minimum grade point average of 3.3 are eligible for the interdepartmental honors program in religious studies and philosophy, which culminates with a final honors thesis that combines notions from both disciplines. The honors program has the following additional requirement:

One of the following pairs of courses:

R399, a tutorial of independent reading and research, and R499, a senior thesis, or an appropriate equivalent (Religious Studies) or

P498, senior seminar, and P499, senior thesis. (Philosophy)

The choice of the pair depends on whether the student works with a Religious Studies or Philosophy faculty member. Thesis will be judged by an honors committee that consists of members from both departments.

### Interdepartmental Major in Religious Studies and Philosophy

**Requirements** Students must take a minimum of 42 credit hours, including one course (from either department) in the philosophy of religion (either P371 or R380) and the following course work in each department: (See the 2000-02 College of Arts and Sciences Bulletin for the listing of course work.)

### Religious Studies Course Descriptions

**R236 Religion, Ecology & the Self (3 cr.)** Deep Ecology seeks fundamental transformations in views of world and self. It claims that there is no ontological divide in the forms of life, and aims for an environmentally sustainable and spiritually rich way of life. This course is an introductory examination of Deep Ecology from a Religious Studies perspective.

## Russian and East European Institute

### Minors in Russian and East European Studies

The minors indicate that students have achieved special competence in the Russian and East European area, successfully completing interdisciplinary area course work. Two minors are available, described below. The first minor requires a distribution of area courses in three disciplinary groupings. The second minor, in addition to area courses, includes a language certificate. The second minor is particularly useful to those who are planning to undertake graduate study in the Russian or East European field. The minors are awarded to those who earn the bachelor's degree and complete the requirements below.

**Academic Standing** Students must have a minimum grade point average of 3.0 (B) or the permission of the director to enter either undergraduate minor program.

Applications are available from the Russian and East European Institute (REEI) in Ballantine Hall 565.

### Requirements

#### Minor in Russian and East European Studies

**Course Requirements** Students must complete 15 credit hours, selected in consultation with the REEI advisor, with a minimum average grade of B, in area-related courses, including a minimum of 3 credit hours each from history, social sciences, and literature/culture distribution groups from the list below. Institute courses R302 and R303 can be used to meet the requirement for any of the distribution groups. Nine of these credit hours must be at the 300 level or above. Courses taken to satisfy the institute minor requirements may also be used to meet the College distribution requirements.

#### Minor in Russian and East European Studies with Language Certification

**Course Requirements** Students must complete 15 credit hours, selected in consultation with the REEI advisor, with a minimum average grade of B, in area-related courses, including a minimum of 3 credit hours each from history, social sciences, and literature/culture distribution groups from the list below. Institute courses R302 and R303 can be used to meet the requirement for any of the distribution groups. Nine of these credit hours must be at the 300 level or above. Courses taken to satisfy the institute minor may also be used to meet the College distribution language certification requirements.

### Language Certification Requirements

Students must complete 6 credit hours beyond the first-year level (with at least a grade of B) of any one of the following languages: Russian, Czech, Polish, Estonian, Romanian, Serbian, Croatian, Slovene, Hungarian, Uzbek, or another area language. Students may be exempted from the 6 credit hour requirement by demonstrating equivalent language knowledge with REEI advisor approval.

### Course Descriptions

**R300 Russian and East European Issues (1-3 cr.)** Brief examination of selected topics related to Russian and East Europe. Variable topics. May be repeated with different topics for a total of 6 credit hours.

**R301 Russian and East European Area Topics (3 cr.) S & H, CSA** Selected topics related to politics, culture, economics, and society in the Russian and East European area.

**R302 Russia, Past and Present (3 cr.) S & H, CSA** Interdisciplinary study of the geography, natural resources, peoples, religions, economy, political and social systems, education, law, cultures, literatures, and arts of Russia. Emphasis on recent developments with appropriate attention to historical roots. Credit given for only one of the following: R302 or HIST D302.

**R303 Eastern Europe, Past and Present (3 cr.) S & H, CSA** Interdisciplinary study of the geography, natural resources, peoples, religions, economy, political and social systems, education, law, cultures, literatures, and arts of East Central and Southeastern Europe. Emphasis on recent developments with appropriate attention to historical roots.

**R495 Readings in Russian and East European Studies (1-3 cr.) P:** Consent of instructor and the director of the Russian and East European Institute. May be repeated for a maximum of 6 credit hours.

### Courses Satisfying Distribution Requirements for the REEI Minor

The following is a list of existing courses that were offered in the last three years and are expected to be offered again. This list is subject to change. A current list of courses for each semester may be obtained in Ballantine Hall 565. Please consult with the REEI advisor prior to registering for courses to count toward the minor. (REE=Russian and/or East European.)

### Group I (Historical)

#### Central Eurasian Studies

U320 Topics in Central Eurasian Studies (REE Historical Topics) (3-4 cr.)

U368 The Mongol Conquest (3 cr.) S & H, CSA

U369 Inner Asia after the Mongol Conquest (3 cr.) S & H

U423 Hungary between 1890 and 1945 (3 cr.) S & H, CSA

U427 Hungary from 1945 to Present (3 cr.) S & H, CSA

U436 Finnish Civilization to 1800 (3 cr.) S & H

U469 The Mongols of the 20th Century (3 cr.)

U493 Central Asia in the 16th-19th Centuries (3 cr.) S & H

U494 Central Asia under Russian Rule (3 cr.) S & H

U496 Historical Ethnography of Central Asia (3 cr.) S & H

### College of Arts and Sciences

E103 Topics in Arts and Humanities: REE Historical Topics (3 cr.)

E104 Topics in Social/Historical Studies: REE Historical Topics (3 cr.)

S104 Freshman Seminar: REE Historical Topics (3 cr.)

### Geography

G427 Geography of Former Soviet Lands (3 cr.) S & H, CSA

### History

B323 History of the Holocaust (3 cr.) S & H, CSA

C393 Ottoman History (3 cr.) S & H, CSA

D100 Issues in Russian and East European History (3 cr.) S & H

D101 Icon and Axe: Russia through the Ages (3 cr.) S & H, CSA

D200 Issues in Russian and East European History (3 cr.) S & H

D300 Issues in Russian/East European History (3 cr.) S & H

D302 Historical Roots of Contemporary Russian Society (3 cr.) S & H, CSA

D303 Heroes and Villains in Russian History (3 cr.) S & H, CSA

D305 Women in Russian History and Soviet Society (3 cr.) S & H, CSA

D306 Muscovy and Imperial Russia, 1500-1801 (3 cr.) S & H, CSA

D308 Empire of the Tsars (3 cr.) S & H, CSA

D309 Russia in World War II: Battles and People (3 cr.) S & H, CSA

D310 Russian Revolution and the Soviet Regime (3 cr.) S & H, CSA

D321 Hungarian History and Civilization to 1711 (3 cr.) S & H, CSA

D322 Hungarian History and Civilization, 1711-1918 (3 cr.) S & H, CSA

D325 Path to Emancipation: Nationalism in the Balkans, 1804-1923 (3 cr.) S & H, CSA

- D327 Nation-Making and Imperial Decline in East Central Europe, 1780-1918 (3 cr.) **S & H, CSA**
- D328 The Search for European Integration: Eastern Europe in the Twentieth Century (3 cr.) **S & H, CSA**
- D400 Issues in Russian/East European History (3 cr.) **S & H**
- H223 Between Rome and Constantinople: Eastern Europe and Russia to Mid-Fifteenth Century (3 cr.) **S & H, CSA**
- H251 Introduction to Jewish History: From the Bible to the Crusades (3 cr.) **S & H, CSA**
- H252 Introduction to Jewish History: From the Crusades to the Present (3 cr.) **S & H, CSA**
- J200 Seminar in History (REE area topics) (3 cr.) **S & H**
- J400 Seminar for History Majors (REE area topics) (3 cr.) **S & H**
- Collins Living-Learning Center**
- L310 Junior/Senior Symposium: REE Historical Topics (3 cr.) **A & H**
- L320 Junior/Senior Symposium: REE Historical Topics (3 cr.) **S & H**
- Group II (Social Science)**
- Anthropology**
- E332 Jewish Women: Anthropological Perspectives (3 cr.) **S & H, CSA**
- E334 Jews in Moslem Society (3 cr.) **S & H, CSA**
- E371 Modern Jewish Culture and Society (3 cr.) **S & H, CSA**
- E397 Peoples and Cultures of the Middle East (3 cr.) **S & H, CSA**
- E398 Peoples and Cultures of Central Asia (3 cr.) **S & H, CSA**
- E400 Undergraduate Seminar (REE area topics) (3 cr.)
- E440 Political Anthropology (REE area topics) (3 cr.)
- Kelley School of Business**
- D301 International Business Environment (3 cr.)
- D302 International Business: Operating International Enterprises (3 cr.)
- F494 International Financial Management (3 cr.)
- G494 Public Policy and the International Economy (3 cr.)
- Central Eurasian Studies**
- U320 Topics in Central Eurasian Studies (REE Social Science Topics) (3-4 cr.)
- U374 The Ecology of Central and Northern Asia (3 cr.)

- U395 Central Asian Politics and Society (3 cr.) **S & H, CSA**
- College of Arts and Sciences**
- E104 Topics in Social/Historical Studies (REE Social Science Topics) (3 cr.)
- S104 Freshman Seminar (REE Social Science Topics) (3 cr.)
- Criminal Justice**
- P493 Seminar in Criminal Justice (REE Area Topics) (3 cr.)
- Economics**
- E309 Topics in Economics (REE Area Topics) (3 cr.) **S & H**
- E386 Soviet-Type Economies in Transition (3 cr.)
- E390 Undergraduate Seminar in Economics (REE Area Topics) (3 cr.)
- Foster International**
- F250 Seminar on International Issues (REE Area Topics) (3 cr.)
- Collins Living-Learning Center**
- L310 Junior/Senior Symposium (REE Social Science Topics) (3 cr.) **A & H**
- L320 Junior/Senior Symposium (REE Social Science Topics) (3 cr.) **S & H**
- Political Science**
- Y101 Principles of Political Science (REE Area Topics) (3 cr.) **S & H**
- Y107 Introduction to Comparative Politics (REE Area Topics) (3 cr.) **S & H**
- Y109 Introduction to International Politics (REE Area Topics) (3 cr.) **S & H**
- Y200 Contemporary Political Problems (REE Area Topics) (3 cr.) **S & H**
- Y210 Honors Seminar (REE Area Topics) (3 cr.) **S & H**
- Y332 Russian Politics (3 cr.) **S & H, CSA**
- Y340 East European Politics (3 cr.) **S & H, CSA**
- Y345 Comparative Revolutions (REE Area Topics) (3 cr.) **S & H**
- Y351 Political Simulations (REE Area Topics) (3 cr.)
- Y353 Women and Politics in Comparative Perspective (3 cr.) **S & H, CSA**
- Y363 Comparative Foreign Policy (REE Area Topics) (3 cr.) **S & H**
- Y368 Russian and Soviet Foreign Policy (3 cr.) **S & H**
- Y385 Russian Political Ideas (3 cr.) **A & H**
- Y396 Seminar in Political Science (REE Area Topics) (3 cr.)

- Group III (Literature and Culture)**
- Central Eurasian Studies**
- U320 Topics in Central Eurasian Studies (REE Literature/Culture Topics) (3-4 cr.)
- U345 Finno-Ugric and Siberian Mythology and Religion (3 cr.) **A & H**
- U370 Uralic Peoples (3 cr.) **S & H**
- U385 Buddhism in Inner Asia (3 cr.) **A & H**
- U390 Shamanism in Inner Asia (3 cr.) **A & H, CSA**
- U394 Islam in the Soviet Union (3 cr.) **A & H, CSA**
- U397 Peoples and Cultures of the Middle East (3 cr.) **S & H, CSA**
- U398 Peoples and Cultures of Central Asia (3 cr.) **S & H, CSA**
- U424 Introduction to Hungarian Literature (3 cr.) **A & H**
- U426 Modern Hungarian Literature (3 cr.) **A & H**
- U498 Studies in Inner Asian Religious Traditions (REE Area Topics) (3 cr.)
- College of Arts and Sciences**
- E103 Topics in Arts and Humanities (REE Literature/Culture Topics) (3 cr.)
- E104 Topics in Social/Historical Studies (REE Literature/Culture Topics) (3 cr.)
- S104 Freshman Seminar (REE Literature/Culture Topics) (3 cr.)
- Comparative Literature**
- C335 Realism, Naturalism, and Symbolism (3 cr.) **A & H, CSB**
- C347 Ideas in Literature (REE Area Topics) (3 cr.) **A & H, CSB**
- C400 Studies in Comparative Literature (REE Area Topics) (3 cr.) **A & H**
- Fine Arts**
- A425 Byzantine Art (3 cr.) **S & H**
- A442 Twentieth-Century Art, 1900-1924 (3 cr.) **CSB**
- A480 Russian Art (3 cr.) **S & H, CSA**
- School of Journalism**
- J414 International News Gathering Systems (3 cr.)
- Collins Living-Learning Center**
- L310 Junior/Senior Symposium (REE Literature/Culture Topics) (3 cr.) **A & H**
- L320 Junior/Senior Symposium (REE Literature/Culture Topics) (3 cr.) **S & H**
- Slavic Languages and Literatures**
- C363-C364 Literature and Culture of the Czechs and Slovaks I-II (3-3 cr.) **A & H, CSA**

- P223 Introduction to Polish Culture (3 cr.) **A & H, CSA**
- P363-P364 Survey of Polish Literature and Culture I-II (3-3 cr.) **A & H, CSA**
- P365 Topics in Polish Literature and Culture (3 cr.) **A & H**
- R223 Introduction to Russian Culture (3 cr.) **A & H, CSA**
- R263 Pushkin to Dostoevsky (3 cr.) **A & H, CSA**
- R264 Tolstoy to Solzhenitsyn (3 cr.) **A & H, CSA**
- R334 Tolstoy and Dostoevsky (3 cr.) **A & H, CSA**
- R345 Jewish Characters in Russian Literature (3 cr.) **A & H, CSA**
- R349 Myth and Reality: Women in Russian Literature and in Life (3 cr.) **A & H, CSA**
- R352 Russian and Soviet Film (3 cr.) **A & H, CSA**
- R353 Central European Cinema (3 cr.) **A & H, CSA**
- R405-R406 Readings in Russian Literature I-II (3-3 cr.) **A & H**
- R407-R408 Readings in Russian Culture, History, and Society I-II (3-3 cr.) **A & H**
- R450 Business Russian (3 cr.)
- S363-S364 Literature and Culture of the Southern Slavs I-II (3-3 cr.) **A & H, CSA**
- Language Classes**
- Students completing the Undergraduate Minor in Russian and East European Studies with Language Certification are required to complete at least 6 credit hours of language study above the first-year level in a related language (Czech, Estonian, Hungarian, Polish, Romanian, Russian, Serbian and Croatian, or Uzbek). The following courses count toward this requirement:
- Slavic Languages and Literatures**
- C201-C202: Second-Year Czech I-II (3-3 cr.)
- C301-C302: Advanced Intermediate Czech I-II (3-3 cr.)
- M201-M202: Intermediate Romanian I-II (3-3 cr.)
- P201-P202: Intermediate Polish I-II (3-3 cr.)
- P301-P302: Advanced Intermediate Polish I-II (3-3 cr.)
- R201-R202: Intermediate Russian I-II (3-3 cr.)
- R301-R302: Advanced Intermediate Russian I-II (3-3 cr.)
- R401-R402: Advanced Russian I-II (3-3 cr.)
- R443: Intensive Russian, Level 3 (7 cr.)
- R444: Intensive Russian, Level 4 (7 cr.)
- R445: Intensive Russian, Level 5 (7 cr.)
- R446: Intensive Russian, Level 6 (7 cr.)

R447: Intensive Russian, Level 7 (7 cr.)

S201-S202: Intermediate Serbian and Croatian I-II (3-3 cr.)

S301-S302: Advanced Intermediate Serbian and Croatian I-II (3-3 cr.)

#### Central Eurasian Studies

U211-U212: Intermediate Estonian I-II (3-3 cr.)

U231-U232: Intermediate Hungarian I-II (3-3 cr.)

U271-U272: Intermediate Uzbek I-II (3-3 cr.)

## Slavic Languages and Literatures

### Special Credit in Slavic Languages and Literatures

- Students who wish either to test out of the COAS language requirement or to get special ("S") credit for their knowledge of a SLAV language, or both, must take a written departmental placement test for that language. An additional oral examination may be administered at the discretion of the relevant language instructor. International students may not receive 100- or 200-level credit (either regular or special) in their native languages, but they may request that the language requirement be waived for them, pending results of the placement testing. Students who have finished high school in the United States, regardless of their native language, are not considered to be international students and may therefore receive special credit in a SLAV language.
- Students testing into the second semester of a SLAV language may earn 4 credit hours of special credit for the semester they tested out of. Students testing into the third semester may earn 8 credit hours of special credit. Students do not have to take a SLAV course in order to be awarded this credit.
- Students testing into the fourth or fifth semester of a SLAV language may earn 200-level credits (either 3 or 6), *only if they take a 200-level or higher course and complete it with a grade of B or better.* For example, students testing into SLAV R202 can get 3 hours of special credit for R201 if they complete R202 with a grade of B or better; students testing into R301 can get 6 hours of special credit for R201-R202 if they complete R301 with a grade of B or better. Special credit is not awarded in the Slavic department for courses above the 200 level.
- SLAV majors may not apply special credit they earn for 200-level courses toward fulfillment of their major requirements. They are required to substitute other courses in

order to meet the COAS and departmental credit requirements for all majors in SLAV.

### Slavic Languages and Literatures Course Descriptions

#### Russian Language

**R301 Advanced Intermediate Russian (3 cr.)**  
P: B or better in R202, R222. Morphological, lexical, and syntactic analysis of a broad spectrum of textual materials with special emphasis on meaning. Development of oral and written fluency and comprehension. Remedial grammar and phonetics as required. Recitation classes supplemented by lab and discussion sections.

#### Russian Literature and Culture in English Translation

**R264 Tolstoy to Solzhenitsyn (3 cr.) A & H, CSA 1880** to present, a period of profound political, social, and intellectual ferment; the Bolshevik Revolution, Civil War, collectivization, the Stalinist purges, World War II, the collapse of the Soviet Union, and the rise of a "new" Russia. Knowledge of Russian not required.

**R352 Russian and Soviet Film (3 cr.) A & H, CSA** Development of Russian cinematography from 1896 to the present. Characteristic features of Soviet films; the theory and practice of filmmaking in the former Soviet Union; the Soviet and Russian cinema in its relationship to Russian literature and in the larger context of European cinema art. Knowledge of Russian not required. II Sem.

#### Other Slavic Literatures and Cultures in English Translation

**K101-K102 Elementary Slovene I-II (4-4 cr.)**  
Intensive study of the structure of Slovene, for reading and speaking knowledge of language. No previous knowledge of a Slavic language required.

## Sociology

### Interdepartmental Major in Sociology and Afro-American Studies

**Requirements** Students must meet the following course requirements for a minimum total of 40 hours.

#### Sociology

At least 21 credit hours of which at least 12 credit hours must be at the 300 level or above, including:

- One course from the following:  
S100 Introduction to Sociology.

S210 The Economy, Organizations, and Work.

S215 Social Change.

S230 Society and the Individual.

- S217 Social Inequality.
- S335 Race and Ethnic Relations.
- S110 Charts, Graphs, and Tables.
- 3 additional courses in Sociology at the 300-400 level.

#### Afro-American Studies

At least 18 credit hours of which at least 12 credit hours must be at the 300 level or above, including:

- A150 Survey Culture of Black Americans.
- A355 Afro-American History I or A356 Afro-American History II.
- A379 Early Black American Writing or A380 Contemporary Black American Writing.
- 9 additional credit hours from the History, Culture and Social Issues Concentration. These 9 credit hours must include the Senior Seminar. (Majors are strongly encouraged to take A363 Research on Contemporary Afro-American Problems I when it is taught.)

### Sociology Course Descriptions

#### S339 Media and Society (3 cr.) S & H

P: 3 credit hours of Sociology or consent of instructor. The mass media (print, radio, and television) have come to play an increasingly important role in society. This course explores the effects of the mass media on public opinion, crime and violence, social integration, and values. Mass media messages and audiences will also be considered.

#### Y398 Internship in Professional Practice (3 cr.)

P: Two Sociology courses, (including one beyond the 100 level) and approval of the Director of Undergraduate Studies (DUS) in Sociology. Provides opportunities for students to receive credit for selected, career-related work in a cooperating institution, agency, or business. Research paper that relates work experience to materials learned in sociology courses is required. Evaluation by employer and DUS in Sociology. 3 credit hours to count in the major or minor. May be repeated once for a maximum of 6 credit hours.

## Spanish and Portuguese

### Spanish

#### S411 Spain: The Cultural Context (3 cr.)

A & H, CSB P: S331 or equivalent. A course to integrate historical, social, political, and cultural information about Spain. II Sem.

#### S412 Spanish America: The Cultural Context (3 cr.) A & H, CSA P: S331 or equivalent.

A course that integrates historical, social, political, and cultural information about Spanish America. I Sem.

#### S413 Hispanic Culture in the U.S. (3 cr.)

A & H, CSA P: S331 or equivalent. Integrates historical, racial, political, and cultural information about Hispanics in the United States.

### Portuguese

#### P412 Brazil: The Cultural Context (3 cr.)

A & H, CSA Integrates historical, social, and cultural information about Brazil. Taught in English.

#### P495 Luso-Brazilian Colloquium (1-3 cr.)

P: Consent of the department. Topic and credit vary. This course may be repeated with different topics for a maximum of 12 credit hours.

### Courses for Graduate Reading Knowledge

#### S491 Elementary Spanish for Graduate Students (3 cr.)

Introduction to structure of the language necessary for reading, followed by reading in graded texts of a general nature.

## Speech and Hearing Sciences

#### S275 Human Hearing and Communication (3 cr.)

R: PHYS P105 and P106. Development of the auditory system and landmarks of auditory behavior, types of hearing loss, intake and exit interviewing techniques, audiometric standards, pure tone audiometry, acoustic impedance measurements, screening for auditory disorders, and speech audiometry. Effect of age and aging on oral communication, counseling the hearing impaired, strategies in selecting hearing aids, recommending auditory training, speech reading, and manual communication.

#### S290 Spoken Language Computer Interfaces (3 cr.) N & M P: MATH M025 or above.

R: CSCI A110 or I101 or equivalent. The goal is to develop knowledge and competence in manipulating speech and language in computers. Basic principles and applications of voice

input and output interfaces are taught. Topics include speech processing, synthesis and recognition, spoken-language interfaces, language translation, and Internet voice applications. Assignments are primarily laboratories and projects.

**S302 Introduction to Acoustics (3 cr.)** P: PHYS P105, and MATH M118 or M119 or above. R: SPHS S111 and S201. Review of basic acoustics, measurement of frequency and intensity as related to assessment of hearing. Basic concepts needed to understand vocal tract transmission. Prediction of speech acoustics from the interaction of vocal tract geometry and source characteristics. Relation of speech perception to vocal tract output. Required laboratories.

**S370 Undergraduate Practicum in Audiology (1-3 cr.)** P: Consent of instructor. Introduction to clinical practice in audiology. Emphasis on familiarization with clinic equipment and protocol as well as clinical application of concepts learned in other audiology courses. A limited number of students may also qualify for supervised experiences in the clinic. May be repeated for a maximum of 12 credit hours.

## Telecommunications

### Media and Society Area

**T311 Media History (3 cr.) S & H P:** T205 or T207 or consent of instructor. Surveys the historical development of mediated communication suggesting linkages between past and present. Examines a variety of time periods and media forms: telegraphy, telephony, radio, television, and computer communication.

**T312 Politics and the Media (3 cr.) S & H P:** T205 or consent of instructor. Examines the relationship between media and modern politics. Topics will vary. May not be repeated for credit.

**T313 Comparative Media Systems (3 cr.) S & H P:** T205 or T207 or consent of instructor. A comparative study of the ways in which various countries deal with fundamental questions of media organization, control, financial support, program philosophy, and social responsibility.

**T314 Telecommunications Processes and Effects (3 cr.) S & H P:** T205 or consent of instructor. Examination of the effects of the mass media on human cognitions, attitudes, and behaviors, relying on empirical social science research; emphasis on the effects on individuals, although study will include groups, organizations, and social norms.

**T317 Children and Media (3 CR.) S & H P:** T205 or consent of instructor. Acquaint students with the popular and research literatures on children and media, including television and computers. Students will be expected to identify recurring themes and topics related to children and media and to evaluate their significance in understanding the role of media in children's lives.

**T414 Public Communication Campaigns (3 cr.) S & H P:** T205 or consent of instructor. Theoretical backgrounds of media campaigns; analyses of persuasion strategies, campaign goals, communication media, audiences, and campaign effectiveness. Case studies of campaigns for social action; original analysis of specific campaigns.

**T416 Program Analysis and Criticism (3 cr.) A & H P:** T205 or T206 or consent of instructor. Critical analysis of the form, production, and performance elements of program genres including drama, comedy, talk, and game shows, documentaries, news, and emerging or experimental types of mass media content. Explores the relationships between programming, the media industries, and American culture.

**T424 Telecommunications and the Constitution (3 cr.) S & H P:** T205 or T207 or consent of instructor. Surveys the constitutional foundations of telecommunications law and policy in the United States. Primary focus on the philosophies informing the freedom of speech and press traditions, the First Amendment and how it applies to electronic media, and government regulations purporting to promote First Amendment values.

**T427 International Telecommunications (3 cr.) S & H P:** T205 or T207 or consent of instructor. A comparative study of the development of broadband networks in different parts of the world. The interaction between national telecommunications policies and international arrangements, institutions, and structures.

**T451 Topical Seminar in Media and Society (1-3 cr.)** Exploration of social problems and issues in telecommunications. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

### Design and Production Area

**T284 Introduction to Interactive Media Design (3 cr.)** P: TEL T206 or consent of instructor. This course combines a practical hands-on introduction to interactive media design with presentation and story-telling concepts. A wide range of design technologies including html, JavaScript, and cascading style

sheets will be considered. These tools and concepts will be used to create dynamic design products.

**T331 Scriptwriting (3 cr.)** P: T206 or T211, or consent of instructor. Covers format, structure, and writing of dramatic and nondramatic scripts.

**T353 Audio Production (3 cr.)** P: T206, T283, and consent of instructor. Intermediate-level hands-on production course that concentrates on the planning and production of audio materials for radio, video, and interactive media. Topics include sound theory, recording, and editing. Includes analog and digital technologies. Lab fee required.

**T356 TV Studio Operations (1.5 cr.)** P: T206, T283, and consent of instructor. R: T211. Intermediate-level hands-on production course that concentrates on high-level communication skills necessary for split-second crew operations, preproduction planning, and budgetary issues, as well as technical proficiency within the studio environment. Lab fee required. Credit not given for both T339 and T356.

**T364 Introduction to 3-D Digital Modeling and Animation (3 cr.)** P: T283, T354, and consent of instructor. Technical areas covered will be character and face animation and mechanical modeling such as buildings and vehicles. Specific topics covered will be modeling basics such as splines, lathing, surfaces, textures, constraints, bones, path animation, rendering, and compositing. There will also be a short historical overview of 3D modeling and effects in film and television. Lab fee required.

**T436 Advanced Production Workshop (1-3 cr.)** P: T206, T283, two 300-level production courses, and consent of instructor. A capstone course for those in production sequence. Students plan, direct, and produce programs or program segments that may air on WTIU, Indiana University's public television station. May be repeated, with different topics, for a maximum of 6 credit hours. Lab fee required.

**T438 Production Management (3 cr.)** P: TEL T283 or T284, or consent of instructor. The management of commercial and noncommercial telecommunications projects, including television and new media. Organizational, economic/business, and legal aspects of production management.

**T452 Topical Seminar in Design and Production (1-3 cr.)** Exploration of design or production problems and issues in telecommunications. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

### Industry and Management Area

**T242 Public Telecommunications (3 cr.) S & H** Analysis of the structure, organization, financing, and administration of the public broadcasting system in the United States, with particular emphasis on current issues, events, and trends in its evolutionary development. Credit not given for both T242 and T342.

**T316 Media Ethics and Professional Responsibility (3 cr.) S & H P:** T205 or T207, or consent of instructor. An analysis of the media environment including organizational structure, corporate responsibility, and the role of the individual in the media environment. Formulation of ethical principles to guide media policy and practice.

**T321 Policymaking in Telecommunications (3 cr.) S & H P:** T207 or consent of instructor. Overview of basic U.S. law and government. Specific analysis of who makes U.S. telecommunications policy, how it is done, and its effects. Course includes a case study of recent policymaking that varies each semester.

**T322 Telecommunications Networks (3 cr.) S & H P:** T207 or consent of instructor. The evolution of telecommunication network technology, policy economics, and industries from the 1870s to the present. Basic telecommunication transmission and switching, general operational concepts, and societal and cultural effect of telephony in the United States.

**T326 Network Design (3 cr.)** P: T207 or consent of instructor. Basic concepts for developing an effective network system. The interaction between network technologies and human behavior.

**T327 Data Communications (3 cr.)** P: T207 or consent of instructor. An introduction to the basic concepts for understanding the integration of computers and telecommunications networks. The impact of environmental factors on the design of data networks.

**T329 Cable/Broadband Communications (3 cr.) S & H P:** T207 or consent of instructor. Technology, programming, economics, marketing, and regulation of cable television and other multichannel, broadband media delivery systems.

**T340 Electronic Media Advertising (3 cr.)** P: T207 or consent of instructor. Principles of Internet, network, national spot, and local radio and television advertising; roles of advertising agency, station representative, time buyer.

**T344 Programming Strategies (3 cr.)** P: T207 or consent of instructor. Theory and practice of broadcast and cable program evaluation, selec-

tion, and scheduling. Includes decision-making strategies in commercial television and radio at the network and local levels, commercial cable networks and systems, and noncommercial broadcasting and cable.

**T347 Promotion and Marketing in Telecommunications (3 cr.)** P: T207 or consent of instructor. Theory and practice of designing, implementing, and evaluating promotional materials and marketing campaigns for television programs, radio formats, and cable services.

**T348 Audience Analysis (3 cr.)** S & H P: T207 or consent of instructor. The behavior, descriptors, and measurement of telecommunications audiences. Sample survey, focus groups, and other research methods used by the telecommunications industry.

**T413 Global Media Issues (3 cr.)** S & H P: T207 or consent of instructor. Advanced study of media from a global perspective focusing on particulars, trends, or issues. Topics vary. May not be repeated for credit.

**T421 Economics of Communications Industries (3 cr.)** S & H P: T207 or consent of instructor. Analysis of market structure and behavior of firms and organizations in broadcasting, cable television, motion picture distribution, print media, common carrier, and other communications industries. Policy and strategy applications.

**T422 Business Applications in Telecommunications (3 cr.)** S & H P: T207 or consent of instructor. Topical seminar on social and business applications of telecommunications. Exploration of the potential for delivering public and business services via the telecommunications network. May be repeated once with different topics for a maximum of 6 credit hours.

**T425 Telecommunications Regulation (3 cr.)** S & H P: T207 and T321 or consent of instructor. Regulation of broadcasting, cable, and common carriage. Examination of the telecommunications regulation system. Regulation of entry into telecommunications (licensing and franchising), renewal of licenses and franchises, and government control of business and economic relations among participants in the field.

**T441 Advanced Advertising Strategies (3 cr.)** P: T207 and T340 or consent of instructor. Analysis and evaluation of planning, creative, and placement components of advertising campaigns utilizing the electronic media; development of original advertising campaigns.

**T446 Telecommunications Management (3 cr.)** P: T207 or consent of instructor. Study of the skill, processes, and attitudes required for effective management and leadership at all levels in telecommunications operations.

**T453 Topical Seminar in Industry and Management (1-3 cr.)** Exploration of management or strategic problems and issues in telecommunications. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

## Theatre and Drama

**T300 Musical Theatre Workshop (3 cr.)** Focuses on synthesizing acting, singing, and dancing into one performance technique. Amount of emphasis placed on each one will vary according to specific needs of the students enrolled. Admission by audition only. May be repeated for a total of 9 credit hours.

**T434 Historic Costume for the Stage (3 cr.)** P: T230 or consent of instructor. A survey of period fashion and manners from ancient Egypt to the twentieth century; emphasis on applicability to the stage.

## Additional Programs

Kelley School of Business

School of Informatics

School of Music

School of Public and Environmental Affairs

Studying Abroad

## Kelley School of Business

Students certified to earn a bachelor's degree in the College of Arts and Sciences who have already completed 26 or more credit hours of college course work that count toward graduation may obtain the minors listed below from the Kelley School of Business by successfully completing the business course work given for each. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. An overall grade point average of 2.0 is required to earn each minor. All 300-level courses must be taken on the IU Bloomington campus. The College of Arts and Sciences limits the number to 22 credit hours outside the College that will count toward a degree. Students who are unclear about these rules should check with the College Recorder's Office, Kirkwood Hall 001. Students should fill out an Application for Minor form in the College Recorder's Office during their senior year to have the minors listed on the transcript.

### Minor in Business

BUS A200 (see note below)

BUS L201

BUS K201 (minimum C grade; see note below)

Four of the following: BUS G300, BUS F300, BUS M300, BUS P300, BUS Z302

Economics E201 or E202 are recommended

### Minor in Entrepreneurship and Small Business Management

BUS A200 (see note below)

BUS K201 (minimum C grade; see note below)

BUS L201

BUS M300

BUS W211

BUS W300

**BUS A200 note:** Students may complete A100 and either A201 or A202 instead of A200 for either minor (A100 is a prerequisite for both A201 and A202).

**BUS K201 note:** Computer Science majors may substitute CSCI C211 for K201 in either minor.

## School of Informatics

### Minor in Informatics

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a minor from the School of Informatics by successfully completing the following courses with grades of C- or higher: three courses from INFO I101, I200, I202, I210, and I211; plus two from the following list of upper-level courses: I300, I303, one 300 or 400 level elective course from the Informatics-approved list of electives (see the School of Informatics Bulletin). At least 15 hours are required to complete the minor with a minimum overall GPA of 2.0.

### Certificate in Informatics

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a certificate from the School of Informatics by successfully completing 26 hours, to include: INFO I101, I200, I202, I210, I211, I300, I303, and three additional hours from the Informatics curriculum (see the School of Informatics Bulletin). An overall grade point average of all courses taken in fulfillment of certificate requirements must be at least 2.0.

## School of Music

### Introduction

A limited number of courses in the theory and history of music given in the School of Music are accepted as College of Arts and Sciences credit toward degrees in the College of Arts and Sciences. The B.A. in music is designed for students who want a general knowledge of the history and theory of music; it is not a professional degree. Students working toward this degree are not eligible to take courses in music education such as methods, student teaching, etc., to fulfill certification requirements.

### Major in Music—B.A. in the College of Arts and Sciences

**Requirements** Students must complete the following (for course descriptions see the School of Music bulletin):

- 26 credit hours in music history, literature, and theory to include T151-T152 Literature and Structure I-II (3-3 cr.); T251-T252 Literature and Structure III-IV (3-3 cr.); T351 Literature and Structure V (3 cr.); and M401-M402 History of Music I-II (4-4 cr.). Additional credit hours may be elected from 300/400- or graduate-level courses in music theory, history, and composition.

- 4-16 credit hours in performance study (applied music). Students must meet the upper-division concentration level as determined by a regular music faculty upper-division hearing committee held at the end of each semester. Students must register for this hearing before midsemester in the music undergraduate office.
- Chamber music (1 cr.) for nonvoice students (F450 or other by consent of the director of music undergraduate studies).
- Students majoring in music for the B.A. degree must achieve a passing grade in major ensemble (X040 or X070) for each fall semester, spring semester, or second summer session in which they are enrolled on the Bloomington campus.

Credits earned in applied music and ensembles are considered outside the College of Arts and Sciences and therefore count toward the maximum of such credits applicable toward the B.A. For students in the B.A. music program, that maximum is 20 credit hours.

In addition to the basic university fees, students will pay an applied music fee for each applied music course taken.

### Minor in Music in the College of Arts and Sciences

**Requirements** At least 15 credit hours in music, including T151-T152 (3-3 cr.), T251-T252 (3-3 cr.), and one course from the following: T351, M401, M402, M410, T412, T416, T417, T418, or another “M” or “T” course at the 400 level, as approved by the director of undergraduate studies in music. Admission to the minor must be approved by the director of undergraduate studies in music.

**Note:** Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.0.

### Minor in Music—Music Studies in the School of Music

**Requirements** Students must complete a total of 20 credit hours, of which at least 12 must be taken on the Bloomington campus. No more than 5 credit hours of performance credit can be taken as part of this minor. Specific requirements include the following:

- Core (6 credit hours): Z101 Music for the Listener (3 cr.) and Z111 Introduction to Music Theory (3 cr.). (T109 Rudiments of Music [3 cr.] and T151 Music Theory and Literature I [3 cr.] may be substituted for students who qualify.)

- Ensemble/Live Performance (2 credit hours): Ensemble X001 Ensemble for Non-Music Majors (1 cr.), X030 Ballet Ensemble (2 cr.), X040 University Instrumental Ensembles (2 cr.), X070 University Choral Ensembles (2 cr.), or Z100 The Live Musical Performance (2 cr.).
- Music Electives (12 credit hours): Electives in music are chosen based on the student's background and interest, and with the approval of the Director of Music Undergraduate Studies. Courses may include elective performance study only at the 100 level (no more than 3 credit hours) and courses with a Z prefix (see list below). Other courses inside or outside of the School of Music may be used as electives if approved by both the Director of Music Undergraduate Studies and his/her counterpart in the student's home school (Academic Assistant Dean in the College of Arts and Sciences, for example). Music ensemble credits will not count toward the 12 credits of music electives. At least 6 of the 12 music elective credit hours must be nonperformance courses at the 300 level or higher.

Courses with a Z prefix that may be taken as music electives:

- Z103 Special Topics in Music for Nonmajors (3 cr.)
- Z171 Opera Theater Series I (2 cr.)
- Z172 Opera Theater Series II (2 cr.)
- Z201 History of Rock and Roll Music (3 cr.)
- Z202 History of Rock Music II (3 cr.)
- Z301 Rock Music in the 70s & 80s (3 cr.)
- Z315 Music for Film (3 cr.)
- Z320 Special Topics in Popular Music (3 cr.)
- Z393 History of Jazz (3 cr.)
- Z395 Contemporary Jazz and Soul Music (3 cr.)
- Z396 Introduction to Midi & Computer Music (3 cr.)
- Z401 The Music of the Beatles (3 cr.)
- Z402 Music of Frank Zappa (3 cr.)
- Z413 Latin American Popular Music (3 cr.)

Students wishing to pursue this minor should apply at Music Advising and Records Services, Merrill Hall 011.

**Note:** Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.0.

### Distribution Courses

T232 and T252 are prerequisites for upper-level courses in theory.

- M393 (Z393, AFRO A393) History of Jazz (3 cr.) A & H, CSA
- M394 (AFRO A394) Black Music in America (3 cr.) A & H, CSA
- M395 (Z395, AFRO A395) Contemporary Jazz and Soul Music (3 cr.) A & H, CSA
- M396 (AFRO A396) Art Music of Black Composers (3 cr.) A & H, CSA
- M397 (AFRO A397) Popular Music of Black America (3 cr.) A & H, CSA
- M401 Music History and Literature I (4 cr.) S & H
- M402 Music History and Literature II (4 cr.) S & H
- T151 Music Theory and Literature I (3 cr.) A & H
- T152 Music Theory and Literature II (3 cr.) A & H
- T251 Music Theory and Literature III (3 cr.) A & H
- T252 Music Theory and Literature IV (3 cr.) A & H
- T351 Music Theory and Literature V (3 cr.) A & H
- T410 Topics in Music Theory (3 cr.) A & H
- T418 Music and Ideas (3 cr.) A & H
- Z101 Music for the Listener I (3 cr.) A & H
- Z102 Music for the Listener II (3 cr.) A & H
- Z103 Special Topics in Music for Nonmajors (3 cr.) A & H
- Z111 Introduction to Music I (3 cr.) A & H
- Z201 History of Rock and Roll Music (3 cr.) A & H
- Z202 History of Rock Music II (3 cr.) A & H
- Z301 Rock Music in the 70s & 80s (3 cr.) A & H
- Z320 Special Topics in Popular Music (3 cr.) A & H
- Z375 Introduction to Latin American Music (3 cr.) A & H
- Z393 (M393, AFRO A393) History of Jazz (3 cr.) A & H
- Z395 (M395, AFRO A395) Contemporary Jazz and Soul Music (3 cr.) A & H
- Z401 The Music of the Beatles (3 cr.) A & H
- Z402 Music of Frank Zappa (3 cr.) A & H

## School of Public and Environmental Affairs

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a minor from the School of Public and Environmental Affairs (SPEA). SPEA offers ten minors on the Bloomington campus and the College of Arts and Sciences has approved the following five for its students:

- Public and Environmental Affairs
- Environmental Management
- Environmental Science and Health
- Human Resources
- Management

Students must fill out a form in the SPEA Undergraduate Office before the minor can be added to their academic record.

**Note:** Each minor consists of five SPEA courses. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.0.

### Requirements for Minor in Public and Environmental Affairs

- SPEA V160 or V161
- SPEA E162 or E272
- Three of the following courses SPEA E400 (may be repeated for credit), V263, V366, V373, V376, V432, V444, V450 (may be repeated for credit)

### Requirements for Minor in Environmental Management

- SPEA E272
- One of the following courses: SPEA E311, E340, E363, E465, E466, or E476.
- Three additional courses chosen from number two or from the following courses: SPEA E325, E400 (may be repeated for credit), E410, E412, E419, E431, E440, E451, E452, E456, E460, E461, E475, H316, V401, V435

### Requirements for Minor in Environmental Science and Health

- SPEA H316
- POLS Y313
- Three of the following courses: SPEA E326, E410, E431, E451, E452

### Requirements for Minor in Human Resources

- SPEA V160 or V161

- Each of the following courses: SPEA V366, V373, and V432
- One of the following courses: SPEA V435, V436, V452 (may be repeated for credit), V463

### Requirements for Minor in Management

- SPEA V160 or V161
- SPEA V263
- Three of the following courses: SPEA V340, V361, V362, V366, V368, V369, V372, V373, V376, V432, V435, V436, V452 (may be repeated for credit), V463

**Note:** The College of Arts and Sciences limits to 22 the number of credit hours outside the College that will count toward a degree. Students who are unclear about these rules should check with the College Recorder's Office, Kirkwood Hall 001.

## Studying Abroad

The College of Arts and Sciences encourages students to take part in programs of overseas study sponsored by Indiana University (see the section "Overseas Study Programs" elsewhere in the 2000-2002 College of Arts and Sciences Bulletin). However, students may apply to programs administered by other institutions and organizations. Credits from non-Indiana University programs may be accepted as transfer credit, subject to the following conditions:

- Indiana University admissions policy limits the acceptance of transfer credit from study abroad to programs administered by a regionally accredited U.S. college or university, or by a foreign institution recognized by the ministry of education of the country as a university-level institution.
- Credit can only be awarded upon receipt of an official transcript, or equivalent document, listing specific courses taken and grades assigned. The amount of credit awarded by overseas study may not exceed the number of credit hours that can be earned at Indiana University in the same amount of time.
- The assignment of equivalent Indiana University course numbers or undistributed credit for course work transferred from non-Indiana University overseas study programs is subject to the approval of the appropriate academic departments and an Academic Assistant Dean of the College of Arts and Sciences.
- Course work not approved for transfer as credit in a particular academic department may be accepted, with the approval of the College of Arts and Sciences, as COAS foreign study credit. However, no more than 8

hours of such credit can be counted toward a degree in the College of Arts and Sciences.

- In cases where courses taken abroad fall into a set sequence of courses at Indiana University, the relevant academic departments may at their discretion require examinations before any transfer credit is awarded. Specific examples include courses in foreign languages, applied music, music theory, mathematics, and natural sciences.
- Overseas study programs vary greatly in quality. No transfer credit at all may be awarded for programs of uncertain quality, despite the issuance of a transcript.
- Students denied transfer credit for overseas study may seek credit by examination, as outlined elsewhere in this bulletin.

To assure that credits can be accepted from a particular overseas program, students are urged to submit credit transfer agreement forms to the Office of International Admissions prior to committing themselves to participating in the program. Forms may be obtained from the Office of Overseas Study.

Under certain circumstances students may be permitted to use Indiana University financial aid toward programs sponsored by organizations other than Indiana University. Information and application forms may be obtained from the Office of Overseas Study, Franklin Hall 303, (812) 855-9304. For such an application to be approved, the course work undertaken overseas must be integral to the student's major program at Indiana University, and the application must be approved by the student's academic department and the Office of Overseas Study.

## Appendices

### Appendix I: Culture Studies Requirement Lists

College of Arts and Sciences Students who matriculated summer 1994, or subsequently, are required to enroll in Culture Studies courses. Consult an advisor for details about this requirement.

#### List A

Courses on this list focus on a culture or cultures other than the dominant cultures of the United States and of modern Western Europe. Students may take two courses from this list to fulfill the Culture Studies requirement, or may take one course from this list and one course from List B.

#### African Studies

- L231 African Civilization
- L232 Africa in the Twentieth Century

#### Afro-American Studies

- A112 Black Music of Two Worlds
  - A150 Survey Culture of Black Americans
  - A210 The Black Woman in Diaspora
  - A249 Afro-American Autobiography
  - A255 The Black Church in America
  - A265 Sports and the Afro-American Experience
  - A277 Images of Blacks in Films: 1903-1950s
  - A278 Contemporary Black Film
  - A290 Sociocultural Perspective of Afro-American Music
  - A350 Black Atlantic
  - A352 Afro-American Art II: Afro-American Artists
  - A355 (HIST A355) Afro-American History I
  - A356 (HIST A356) Afro-American History II
  - A360 Slavery: Worldwide Perspective
  - A379 Early Black American Writing
  - A380 Contemporary Black American Writing
  - A383 Blacks in American Drama and Theatre, 1767-1945
  - A384 Blacks in American Drama and Theatre, 1945-Present
  - A385 Seminar in Black Theatre
  - A386 Black Feminist Perspectives
  - A389 Motown
  - A392 Afro-American Folklore
  - A393 History of Jazz
  - A394 Black Music in America
  - A395 Contemporary Jazz and Soul Music
  - A396 Art Music of Black Composers
  - A397 Popular Music of Black America
  - A407 Afro-American and African Protest Strategies
  - A408 Race, Gender, and Class in Cross-Cultural Perspectives
  - A430 The Cinema of African American Women
  - A480 The Black Novel
  - A485 Lorraine Hansberry: Black Dramatist
  - A489 Rap Music
  - A496 Black Religious Music
- #### Anthropology
- E110 Indians of Mexico: Ancient and Modern
  - E240 Southwestern American Indian Ritual and Belief
  - E310 Introduction to the Cultures of Africa
  - E312 African Religions: Myth, Ritual, and Art

- E320 Indians of North America
- E321 Peoples of Mexico
- E322 Peoples of Brazil
- E327 Native Amazonians and the Environment
- E329 Indians in the United States in the Twentieth Century
- E330 Indians of South America
- E332 Jewish Women: Anthropological Perspectives
- E334 Jews in Moslem Society
- E335 Ancient Civilizations of Mesoamerica
- E340 Indians of Mexico and Central America
- E370 Peasant Society and Culture
- E371 Modern Jewish Culture and Society
- E397 (CEUS U397) Peoples and Cultures of the Middle East
- E398 (CEUS U398) Peoples and Cultures of Central Asia
- E417 African Women
- E475 Law and Culture
- L318 Navajo Language and Culture
- P370 Ancient Civilizations of the Andes
- P371 Prehistory of Lowland South America

#### Central Eurasian Studies

- U284 The Civilization of Tibet
- U368 The Mongol Conquest
- U388 Chinese Inner Asia to 1949
- U390 Shamanism in Inner Asia
- U394 Islam in the Soviet Union and Successor States
- U395 Central Asian Politics and Society
- U397 (ANTH E397) Peoples and Cultures of the Middle East
- U398 (ANTH E398) Peoples and Cultures of Central Asia
- U423 Hungary between 1890 and 1945
- U427 Hungary between 1945 to Present
- U483 Introduction to the History of Tibet
- U489 Tibet and the West
- U490 Sino-Tibetan Relations
- U497 Inner Asian Peoples and Nationality Polity in the People's Republic of China

#### Classical Studies

- C101 Ancient Greek Culture
- C102 Roman Culture
- C205 Classical Mythology
- C206 (FINA A206) Classical Art and Archaeology
- C308 Roman Law
- C350 Greek Literature in Translation
- C360 Roman Literature in Translation

**Communication and Culture**

C238 Communication in Black America  
 C419 Classical Oratory  
 C430 Native American Communication and Performance

**Comparative Literature**

C147 Images of the Self: East and West  
 C200 Honors Seminar (Topic: Poetry and Society: The Arabic Ode in Comparative Text)  
 C257 Asian Literature and the Other Arts  
 C261 Introduction to African Literature  
 C265 Introduction to East Asian Poetry  
 C266 Introduction to East Asian Fiction  
 C291 Asian Film and Literature  
 C300 Modernity and Tradition in Yiddish Literature and Culture  
 C321 Medieval Literature  
 C325 The Renaissance  
 C340 Women and Literature  
 C350 Yiddish Culture in America  
 C361 African Literary Traditions  
 C365 Japanese-Western Literary Relations  
 C370 Arabic-Western Literary Relations  
 C375 Chinese-Western Literary Relations  
 C400 Studies in Comparative Literature (Topic: Arthurian Literature and Film)  
 C415 Medieval Lyric  
 C417 Medieval Narrative  
 C445 Traditions of Christian Literature I  
 C464 French Language Literatures of Africa and the Americas

**East Asian Languages and Cultures**

E100 East Asia: An Introduction  
 E101 The World and East Asia  
 E231 Japan: The Living Tradition  
 E232 China: The Enduring Heritage  
 E233 Survey of Korean Civilization  
 E251 Traditional East Asian Civilization  
 E252 (HIST H207) Modern East Asian Civilization  
 E256 Land and Society in East Asia  
 E270 Japanese Language and Society  
 E271 Twentieth-Century Japanese Culture  
 E301 Chinese Language and Culture  
 E302 Geographic Patterns in China  
 E303 Korean Folk and Elite Cultures  
 E305 Korean Language and Culture  
 E321-E322 Japanese Literature I-II  
 E331-E332 Chinese Literature I-II  
 E333 Studies in Chinese Cinema  
 E350 (HIST G380) Studies in East Asian Society (Topic: Early China)

E354 Society and Education in Japan  
 E374 (PHIL P374) Early Chinese Philosophy  
 E384 East Asian Nationalism and Cultural Identity  
 E385 Asian Americans: Cultural Conflict and Identity  
 E394 Business and Public Policy in Japan  
 E471 Twentieth-Century Chinese Literature  
 E472 Modern Japanese Fiction  
 E473 History of Japanese Theatre and Drama

**English**

L208 Topics in English and American Literature and Culture (topic: Medieval Court Culture)  
 L241 American Jewish Writers  
 L364 Native American Literature  
 L374 Ethnic American Literature  
 L375 Studies in Jewish Literature  
 L383 Studies in British or Commonwealth Culture (topics: Change and Development in Medieval English Culture; Indian Writing in English)  
 L384 Studies in American Culture (topic: The Power of Place: Latino Migration Culture and the Spatial Imagination)

**Fine Arts**

A160 Introduction to East Asian Art  
 A206 (CLAS C206) Classical Art and Archaeology  
 A226 Survey of Medieval Art  
 A231 The Age of Giants: Art in the Time of Leonardo and Michelangelo  
 A233 Renaissance and Baroque Art in Italy, 1250-1700  
 A234 (FRIT M234) Renaissance Florence  
 A250 Introduction to African Art  
 A262 Introduction to Japanese Art and Culture  
 A311 Art of the Classical Age of Greece  
 A321 Early Medieval Art  
 A327 Survey of Islamic Art  
 A337 Age of Rubens and Rembrandt  
 A346 Roots and Revolution: Early Twentieth-Century Mexican Art  
 A351 Art of the South Pacific  
 A352 Art of Eastern and Southern Africa  
 A356 Art of Central Africa  
 A360 Topics in East Asian Art  
 A452 Art of Pre-Columbian America  
 A453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan  
 A454 Art of Sub-Saharan Africa II: Arts of the West African Coast  
 A455 Art, Craft, and Technology in Sub-Saharan Africa  
 A464 Art and Archaeology of Early China

A466 Early Chinese Painting  
 A467 Later Chinese Painting  
 A480 Russian Art

**Folklore and Ethnomusicology**

F301 African Folklore/Folklife/Folk Music  
 F305 Asian Folklore/Folklife/Folk Music  
 F307 Middle Eastern Folklore/Folklife/Folk Music  
 F315 Latin American Folklore/Folklife/Folk Music  
 F320 Pacific Folklore/Folklife/Folk Music  
 F351 North American Folklore/Folklife/Folk Music  
 F352 Native American Folklore/Folklife/Folk Music  
 F354 African American Folklore/Folklife/Folk Music  
 F356 Chicano Folklore/Folklife/Folk Music  
 F358 Jewish Folklore/Folklife/Folk Music  
 F360 Indiana Folklore/Folklife/Folk Music  
 F363 Women's Folklore/Folklife/Folk Music  
 F364 Children's Folklore/Folklife/Folk Music

**French and Italian**

F361 Introduction Historique à la Civilisation Française I  
 F410 French Literature of the Middle Ages  
 F450 Colloquium in French Studies—Traditions and Ideas  
 F463 Civilisation Française I  
 M234 (FINA A234) Renaissance Florence  
 M307 Masterpieces of Italian Literature I  
 M222 Topics in Italian Culture  
 M333 Dante and His Times  
 M345 Literature of Italian Renaissance Art  
 M445 Risorgimento

**Gender Studies**

G215 Cross-Cultural Gender Formations  
 G225 Gender, Sexuality, and Popular Culture  
 G410 International Feminist Debates (Topic: Black Feminism)

**Geography**

G317 Geography of Developing Countries  
 G323 Geography of Latin America  
 G340 Geography of Southeast Asia  
 G427 Geography of Former Soviet Lands

**Germanic Studies**

Y300 Modernity and Tradition in Yiddish Literature and Culture  
 Y350 Yiddish Culture in America

**History**

A310 Survey of American Indians I  
 A311 Survey of American Indians II

A352 History of Latinos in the United States  
 A355-A356 (AFRO A355-A356) Afro-American History I-II  
 B321 Modern Jewish History: From Expulsion to Revolution  
 B322 Modern Jewish History Since the French Revolution  
 B323 History of the Holocaust  
 B324 Zionism and the State of Israel  
 B351 Western Europe in the Early Middle Ages  
 B352 Western Europe in the High and Later Middle Ages  
 B353 The Renaissance  
 B354 The Reformation  
 B355 Europe: Louis XIV to French Revolution  
 B356 French Revolution and Napoleon  
 C388 Roman History  
 C390 The Decline and Fall of the Roman Empire  
 C393 Ottoman History  
 D101 Icon and Axe: Russia through the Ages  
 D302 Historical Roots of Contemporary Russian Society  
 D303 Heroes and Villains in Russian History  
 D305 Women in Russian History and Soviet Society  
 D306 Muscovy and Imperial Russia, 1500-1801  
 D308 Empire of the Tsar  
 D309 Russia in World War II: Battles and People  
 D310 Russian Revolutions and the Soviet Regime  
 D321 Hungarian History and Civilization to 1711  
 D322 Hungarian History and Civilization 1711-1918  
 D325 Path to Emancipation: Nationalism in the Balkans, 1804-1923  
 D327 Nation-Making and Imperial Decline in East Central Europe, 1780-1918  
 D328 The Search for European Integration: Eastern Europe in the Twentieth Century  
 E331 African History from Ancient Times to Empires and City States  
 E332 African History from Colonial Rule to Independence  
 E333 Conflict in Southern Africa  
 E334 History of Western Africa  
 E336 History of East Africa  
 E338 History of Muslim West Africa  
 F336 Modern Central American History  
 F343 Modern Brazil since 1850  
 F346 Modern Mexico  
 G357 Premodern Japan  
 G358 Early Modern Japan

G369 Modern Japan  
 G372 Modern Korea  
 G380 Early China  
 G382 Imperial China I  
 G383 Imperial China II  
 G385 Modern China  
 G387 Contemporary China  
 H102 The World in the Twentieth Century II  
 H103 Europe: Renaissance to Napoleon  
 H203 Islamic Civilization to 1300  
 H205 Ancient Civilization  
 H206 Medieval Civilization  
 H207 (EALC E252) Modern East Asian Civilization  
 H208 American-East Asian Relations  
 H209 English History: General Course I  
 H211-H212 Latin American Culture and Civilization I-II  
 H213 The Black Death  
 H223 Between Rome and Constantinople: Eastern Europe and Russia to Mid-Fifteenth Century  
 H227 African Civilization  
 H237 Traditional East Asian Civilization  
 H251 Introduction to Jewish History: From the Bible to the Crusades  
 H252 Introduction to Jewish History: From the Crusades to the Present  
 H259 American Jewish History

**India Studies**  
 I300 Passage to India: Emperors, Gurus, and Gods  
 I347 Meditation Traditions of India  
 I368 Philosophies of India  
 I370 Literature of India in Translation: Ancient and Classical  
 I371 Medieval Devotional Literatures of India (in translation)

**Jewish Studies** cross-listed courses:  
 Anthropology  
 E332 Jewish Women: Anthropological Perspectives  
 E334 Jews in Moslem Society  
 E371 Modern Jewish Culture and Society

Comparative Literature  
 C300 Modernity and Tradition in Yiddish Literature and Culture  
 C350 Yiddish Culture in America

English  
 L241 American Jewish Writers  
 L375 Topics in Jewish Literature

Folklore & Ethnomusicology  
 F358 Jewish Folklore/Folklife/Folk Music

Germanic Studies  
 Y300 Modernity and Tradition in Yiddish Literature and Culture  
 Y350 Yiddish Culture in America

History  
 B321 Modern Jewish History: From Expulsion to Revolution  
 B322 Modern Jewish History since the French Revolution  
 B323 History of the Holocaust  
 B324 Zionism and the State of Israel  
 H251 Introduction to Jewish History: From the Bible to the Crusades  
 H252 Introduction to Jewish History: From the Crusades to the Present  
 H259 American Jewish History

Near Eastern Languages and Cultures  
 N241 Contemporary Israeli Culture  
 N387 Modern Hebrew Literature in English  
 N388 Recent Hebrew Literature in English  
 N395 S. Y. Agnon and the Jewish Experience

Philosophy  
 P205 Modern Jewish Philosophy  
 P305 Topics in the Philosophy of Judaism

Political Science  
 Y352 The Holocaust, Genocide, and Political Responsibility  
 Y353 Women and Politics in Comparative Perspective

Religious Studies  
 R152 Religions of the West  
 R210 Religion of Ancient Israel  
 R245 Introduction to Judaism  
 R310 Prophecy in Ancient Israel  
 R317 Judaism in the Making  
 R341 Introduction to Jewish Mysticism  
 R345 Religious Issues in Contemporary Judaism

Slavic Languages and Literature  
 R345 Jewish Characters in Russian Literature

**Latin American Studies**  
 L300 The Latin American Experience  
 L301 Contemporary Problems in Latin America  
 L400 Contemporary Mexico  
 L402 Contemporary Brazil  
 L403 Contemporary Central America  
 L420 New Latin American Cinema

**Latino Studies**  
 L210 Introduction to Latina/o History  
 L211 Latinos in the U.S.: Past, Present, and Future

L325 Latinos on the Internet  
 L396 Seminar in Latino Studies (Topic: Latino Immigrants and U.S. Society)

**Linguistics**  
 L481 Languages in Africa

**Medieval Studies**  
 M200 Medieval Cultures

**Music**  
 M393 History of Jazz  
 M394 Black Music in America  
 M395 (Z395) Contemporary Jazz and Soul Music  
 M396 Art Music of Black Composers  
 M397 Popular Music of Black America

**Near Eastern Languages and Cultures**  
 N205 Topics in Near Eastern Languages and Cultures (topic: Poetry and Society: The Arabic Ode in Comparative Contexts)  
 N220 Muhammad: Life of the Prophet  
 N225 Turkish Literature in Translation  
 N241 Contemporary Israeli Culture  
 N245 Introduction to the Ancient Near East  
 N265 Introduction to Islamic Civilization  
 N300 Literature of the Ottoman Court in Translation  
 N305 Topics in Near Eastern Studies  
 N325 Cultural History of the Ottoman Empire and Modern Turkey  
 N340 Prophets, Poets, and Kings: Iranian Civilization  
 N350 Khomeni: The Roots of Revolution  
 N370 Koranic Studies  
 N380 Topics in Persian Literature in Translation  
 N385 Persian Mystical Literature in Translation  
 N387 Modern Hebrew Literature in English  
 N388 Recent Hebrew Literature in English  
 N395 S. Y. Agnon and the Jewish Experience

**Philosophy**  
 P201 Ancient Greek Philosophy  
 P205 Modern Jewish Philosophy  
 P301 Medieval Philosophy  
 P305 Topics in the Philosophy of Judaism  
 P328 Philosophies of India  
 P374 (EALC E374) Early Chinese Philosophy

**Political Science**  
 Y332 Russian Politics  
 Y333 Chinese Politics  
 Y334 Japanese Politics  
 Y337 Latin American Politics  
 Y338 African Politics  
 Y339 Middle Eastern Politics

Y340 East European Politics  
 Y352 The Holocaust, Genocide, and Political Responsibility  
 Y353 Women and Politics in Comparative Perspective  
 Y381 History of Political Theory I

**Religious Studies**  
 R152 Religions of the West  
 R153 Religions of the East  
 R210 Introduction to the Hebrew Bible  
 R220 Introduction to the New Testament  
 R245 Introduction to Judaism  
 R257 Introduction to Islam  
 R310 Prophecy in Ancient Israel  
 R317 Judaism in the Making  
 R341 Introduction to Jewish Mysticism  
 R345 Religious Issues in Contemporary Judaism  
 R348 Hindu Goddesses  
 R349 Hindu Devotionalism  
 R350 East Asian Buddhism  
 R354 Buddhism  
 R356 Islamic Mysticism  
 R357 Religions in Japan  
 R358 Hinduism  
 R367 Shi'ite Islam  
 R369 The Taoist Tradition  
 R452 Topics in East Asian Religions  
 R454 Tantric Traditions of India  
 R456 Seminar in Islamic Studies  
 R469 Topics in Taoism and Chinese Religion

**Russian and East European Institute**  
 R301 Russian and East European Area Topics  
 R302 Russia, Past and Present  
 R303 Eastern Europe, Past and Present

**Slavic Languages and Literatures**  
 C363-C364 Literature and Culture of the Czechs and Slovaks I-II  
 P223 Introduction to Polish Culture  
 P363-P364 Survey of Polish Literature and Culture I-II  
 R223 Introduction to Russian Culture  
 R263 Pushkin to Dostoevsky  
 R264 Tolstoy to Solzhenitsyn  
 R334 Tolstoy and Dostoevsky  
 R345 Jewish Characters in Russian Literature  
 R349 Myth and Reality: Women in Russian Literature and in Life  
 R352 Russian and Soviet Film  
 R353 Central European Cinema  
 S223 Introduction to Balkan and South Slavic Cultures

S363-S364 Literature and Culture of the South Slavs I-II

### Spanish and Portuguese

P290 Topics in Luso-Brazilian Culture (Topics: Afro-Portuguese Culture: Angola and Mozambique; Jorge Amado: A Portrait of Brazil; A Regional View of Brazil: The Northeast)

P412 Brazil: The Cultural Context

S220 Chicano and Puerto Rican Literature

S260 Introduction to Hispanic Film

S275 Hispanic Culture and Conversation

S284 Women in Hispanic Culture

S331-S332 The Hispanic World I-II

S333 The Hispanic World

S412 Latin American Culture and Civilization

S413 Hispanic Culture in the United States

### Theatre and Drama

T370 History of Western Theatre and Drama I

T460 Development of Dramatic Art I

T468 Non-Western Theatre and Drama

### West European Studies

W405 Special Topics in West European Studies (topic: History of Political Thought I)

### List B

Courses on this list focus on a culture or cultures of modern Western Europe. Students may use one course from this list toward fulfillment of the Culture Studies requirement.

### Anthropology

E387 The Ethnography of Europe

E400 Undergraduate Seminar (topic: Scandinavia: Image and Reality)

### Communication and Culture

C204 Media, Culture, and Society

### Comparative Literature

C145 Major Characters in Literature

C146 Major Themes in Literature

C151 Introduction to Popular Culture

C251 Lyrics and Popular Song

C255 Modern Literature and the Other Arts: An Introduction

C256 Literature and the Other Arts: 1870-1950

C329 The Eighteenth Century

C333 Romanticism

C335 Realism, Naturalism, Symbolism

C337 The Twentieth Century: Tradition and Change

C347 Ideas in Literature

C357 The Arts Today: 1950 to the Present

C358 Literature and Music: Opera

C446 Traditions of Christian Literature II

### Fine Arts

A342 Twentieth-Century Art

A440 Nineteenth-Century Painting

A441 Nineteenth-Century Painting II

A442 Twentieth-Century Art, 1900-1924

### Folklore and Ethnomusicology

F312 European Folklore/Folklife/Folk Music

### French and Italian

F310 Topics in French Literature in Translation

F311 Contemporary France: Film and Culture

F333 Intensive Writing in French Culture

F350 The Writer and Public Issues in Twentieth-Century France

F362 Introduction Historique à la Civilisation Française II

F363 Introduction à la France Moderne

F375 Themes et Perspectives Littéraires (Topic: La Belle Époque: Letters, Art, Music, and Scandal)

F451 Colloquium in French Studies—Literature and Arts

F453 Le Roman au 20e Siècle I

F459 Le Theatre au 20e Siècle

F461 La France Contemporaine: Cinema et Culture

F464 Civilisation Française II

M235 Rome, the City and the Myth

M305 Civiltà Italiana Moderna

M306 Italian Short Stories from the Political Unification to the Present

M308 Masterpieces of Italian Literature II

M390 Studies in the Italian Film (topics: The Cinema of Federico Fellini; Bertolucci, Pasolini, and Wertmuller; Politics, Ideology, and Social Satire in the Italian Cinema; Rossellini, De Sica, and the Heritage of Neorealism in Film and Literature)

M463 Feelings of Estrangement in Contemporary Italian Culture

### Geography

G425 Africa: Contemporary Geography Problems

G428 Geography of Western Europe

### Germanic Studies

G262 Contemporary Austria

G277 Women in German Culture: 1750-the Present

G362 Deutsche Landeskunde

G363 Deutsche Kulturgeschichte

G364 German Cultural History

G390 German Film Culture

G418 German Film and Popular Culture

G464 Kultur und Gesellschaft

N350 Dutch Culture: The Modern Netherlands

N450 Introduction to the Civilization of the Netherlands

V400 Contemporary Germany

V406 Literature and Society Since 1945

### History

B260 Women, Men, and Society in Modern Europe

B357 Modern France

B359-B360 Europe from Napoleon to the First World War I-II

B366 Paris and Berlin in the 1920s: A Cultural History

B368 Modern Italy

B377 History of Germany Since 1648 I

B378 History of Germany Since 1648 II

H104 Europe: Napoleon to the Present

H210 English History: General Course II

### Political Science

Y331 British Politics

Y335 West European Politics

Y347 German Politics

Y382 History of Political Theory II

### Spanish and Portuguese

P290 Topics in Luso-Brazilian Culture (topic: Contemporary Portugal)

S411 Spanish Culture and Civilization

### Theatre and Drama

T371 History of Western Theatre and Drama II

T461 Development of Dramatic Art II

T462 Development of Dramatic Art III

### West European Studies

W301 Modern European Politics and Society

W405 Special Topics in West European Studies (Topics: British Politics; Contemporary Spain; Modern France; Modern Spain since 1640; Scandinavia: Image and Reality; Geography of Western Europe; Modern Italy; Germany Since 1648.)

W406 Special Topics in West European Studies (Topics: Cultural Dimensions of Violence; Dynamics of Franco-German Relations; Paris and Berlin in the 1920s: A Cultural History; Bertolucci, Pasolini, and Wertmuller; The Cinema of Federico Fellini; Italian Film Culture from the Silent Era to the Present; Politics, Ideology, and Social Satire in the Italian Cinema; Rossellini, De Sica, and the Heritage of Neorealism in Film and Literature.)

## Appendix II: Approved Distribution Courses

To determine which courses fulfill the approved distribution requirement, students must check the appropriate course descriptions in this Supplement and/or the 2000-2002 College of Arts and Sciences Bulletin. Courses that fulfill the Arts and Humanities distribution requirement are designated by the abbreviations **A & H** (or AH/A or AH/D); **S & H** (or SHSI or SHHS); or **N & M** (or NMINS or NMMC) following the course titles.

Courses with two or more prerequisite courses that carry distribution credit in the same subarea are not normally listed for automatic distribution credit, since it is assumed that students would have completed the distribution requirement in that area while completing the prerequisite courses that carry distribution credit.

Students should contact the Office of the Academic Assistant Deans in Kirkwood Hall 012 under the following circumstances:

- they have unusual proficiency that prepares them for an upper-level course not listed on this chart and that would ordinarily require two or more prerequisite courses that carry distribution credit in a particular area;
- they have the permission of the instructor to enter the course without the stated prerequisites;
- they would like to use the upper-level course to fulfill a distribution requirement.

### Arts and Humanities: A & H

### Social and Historical Studies: S & H

### Natural and Mathematical Sciences: N & M

	A & H	S & H	N & M
African Studies		L231, L232	
Afro-American Studies	A112, A141, A142, A150, A249, A277, A278, A290, A350, A352, A359, A379, A380, A383, A384, A385, A389, A392, A393, A394, A395, A396, A397, A430, A479, A480, A485, A489, A496	A205, A210, A250, A255, A263, A265, A355, A356, A360, A363, A382, A386, A391, A405, A407, A408, A415, A425, A452, A481	
American Studies	A200, A201, A202		
Anthropology	A & H E310, E312, E460, E463	S & H A105, A150, A200, A303, B310, E101, E105, E110, E200, E230, E240, E303, E307, E320, E321, E322, E327, E329, E330, E332, E334, E340, E370, E371, E372, E381, E382, E385, E387, E392, E397, E398, E417, E420, E427, E430, E445, E455, E457, L200, L320, P200, P210, P220, P310, P314, P315, P360, P361	N & M B200, B301, B368, B370, P380, P385
Apparel Merchandising and Interior Design		H265	
Astronomy			A100, A105, A110, A201, A202
Biology			B300, B364, B368, E111, E112, L100, L104, L111, L112, L113, L211, L302, L322, L330, L340, L341, L350, L369, L440, M430, SZ11
Central Eurasian Studies	U345, U385, U390, U394, U424, U426, U481, U484	U284, U368, U369, U370, U388, U395, U397, U398, U423, U427, U436, U437, U483, U489, U490, U493, U494, U496, U497	
Chemistry			C100, C101, C102, C103, C105, C106, C341, C342, C360, C361, C430, C460, C483, C484, C485, S105, S106, S341, S342

	A & H	S & H	N & M
Classical Studies	C101, C102, C205, C206, C308 C310, C311, C350, C351, C360, C361, C405, C409, C412, C413, C414, C416, C419, C420, C421, C305, G306, G307, G308, G406, G407, G410, G411, L305, L307, L308, L309		
Cognitive Science			Q240, Q250, Q260, Q270, Q301, Q320, Q351
Collins Living Learning Center	L110, L115, L210, L215, L310, L315	L120, L125, L220, L225, L320, L325	L130, L135, L230, L235, L330, L335
Communication and Culture	C190, C205, C228, C238, C304, C306, C312, C313, C321, C323, C324, C326, C335, C339, C392, C393, C394, C398, C414, C418	C122, C201, C202, C203, C204, C223, C225, C229, C290, C292, C301, C305, C311, C314, C315, C336, C380, C411, C412, C413, C415, C420	
Comparative Literature	C100, C145, C146, C147, C151, C155, C200, C205, C216, C217, C218, C219, C251, C252, C255, C256, C257, C261, C265, C266, C291, C300, C305, C310, C311, C313, C315, C321, C325, C329, C333, C335, C337, C340, C347, C350, C351, C355, C356, C357, C358, C361, C365, C370, C375, C400, C405, C415, C417, C445, C446, C464, C492		
Computer Science			N & M A110, A201, A202, B351, B401, B403, B441, B443, B481, C211, C212, C241, C311, C335, C343, H21I, H212, H241, H311, H335, H343, H401, P415, P423, P436, P442, P465-P466
Criminal Justice			K300
East Asian Languages and Cultures	C431, E100, E201, E202, E231, E232, E233, E270, E271, E300, E301, E303, E321, E322, E331, E332, E333, E351, E374, E471, E472, E473, J431, K431, K432	P100, P200, P202, P301, P302, P303, P305, P306, P340, P360, P375, P380, P381, P412, P413, P414, P415, P417, P419, P420, P422, P423, P435, P457, P462, P471, P482	J421
Economics		E101, E203, E204, E251, E252, E256, E302, E305, E350, E352, E354, E384, E385, E394, J441	E370, S370
English	A202, E301, E302, E303, E304, L141, L142, L198, L202, L203, L204, L205, L206, L207, L208, L210, L213, L214, L220, L230, L240, L241, L249, L295, L305, L306, L308, L309, L313, L314, L317, L318, L320, L327, L332, L335, L345, L346, L347, L348, L350, L351, L352, L354, L355, L356, L357, L358, L360, L363,	E201, E202, E303, E304, E305, E308, E309, E321, E322, E327, E359, E364, E496, S201, S202, S321, S322	

## English (cont.)

L364, L365, L366, L367, L369,  
L371, L373, L374, L375, L378,  
L380, L381, L383, L384, L389,  
L390, L391, L395

## Fine Arts

A160, A206, A226, A231, A234,  
A250, A276, A310, A323, A329,  
A346, A347, A348, A349, A356,  
A360, A412, A413, A414, A447,  
A471, A472, A473, A474, F100,  
F101, F102, H100, H150, N110,  
N198, S200, S220, S230, S240, S250,  
S260, S270, S271, S280, S291, S301,  
S311, S321, S331, S341, S343, S344,  
S351, S352, S361, S371, S381, S392,  
S445, T220, T230, T320

## Folklore and Ethnomusicology

F101, F111, F121, F131, F252, F301,  
F305, F307, F312, F315, F320, F351,  
F352, F354, F356, F358, F360, F363,  
F364, F404, F420, F440, F492, F494

## French and Italian

F300, F303, F304, F305, F306, F310,  
F311, F350, F361, F362, F363, F375  
F413, F443, F444, F446, F450, F451,  
F453, F456, F459, M234, M235,  
M305, M306, M307, M308, M333,  
M345, M390, M403, M445, M450,  
M453, M455, M463, S300

## Gender Studies

G101, G225, G290, G310

## Geography

G110, G120, G210, G302, G312,  
G314, G315, G316, G317, G320,  
G323, G326, G340, G409, G412,  
G414, G415, G419, G425, G427,  
G428, G441

G107, G109, G185, G208, G237, G250,  
G304, G305, G336, G337, G338, G350,  
G405, G407, G431, G433, G434, G438,  
G439, G470, G471, G472, G473, G475,  
G477, G488, G489

## Geological Sciences

G103, G104, G105, G111, G112,  
G114, G116, G121, G131, G141,  
G161, G171, G221, G222, G225,  
G300, G302, G316, G329, G341,  
G471, S121, S124

## Germanic Studies

G262, G277, G362, G464, N350,  
V400

G448, G451, G458

## History

A100, A200, A222, A225, A300,  
A301, A302, A303, A304, A307,  
A309, A310, A311, A313, A315,  
A317, A319, A325, A326, A337,  
A338, A345, A346, A347, A351,  
A352, A353, A354, A355, A356,  
A361, A362, A363, A365, A366,  
A370, A380, A381, A382, A383,  
A389, A400, B100, B200, B224,  
B260, B300, B321, B322, B323,  
B324, B325, B342, B343, B351,  
B352, B353, B354, B355, B356,  
B357, B359, B360, B361, B362,  
B366, B368, B377, B378, B391,  
B400, C100, C200, C300, C380,  
C386, C387, C388, C390, C391,  
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