# ColLege of arts and science 

## Undergraduate Programs

- African Studies
- Anthropology
- Art
- Art Conservation
- Art History
- Biological Sciences
- Black American Studies
- Chemistry and Biochemistry
- Communication
- Comparative Literature
- Computer and Information Sciences
- Continental European Studies
- East Asian Studies
- Economics
- English
- Foreign Languages and Literatures
- Geography
- Geology
- History
- Irish Studies

The College of Arts and Science represents a range of academic disciplines and contributes to the general and professional education of all undergraduate students at the University. The College offers major programs leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Arts in Liberal Studies, Bachelor of Fine Arts, and Bachelor of Music, as well as associate (two-year) degrees

Undergraduate students enrolled in the College of Arts and Science may choose from a number of degree programs and options designed to permit flexibility in the pursuit of their educational goals, within guidelines or requirements established by the faculty These formal requirements ensure that all students in the college complete courses representative of each of the major disciplinary groupings in the College: Arts and Humanities, Culture and Institutions Through Time, Behavioral and Social Sciences, and Natural Sciences and Mathematics.

The intent of these requirements is to provide students appreciation of the materials and methodologies of each area and to foster an awareness that the works of an artist, historian, novelist, sociologist, and physicist may all be equally valid representations of reality. In the process, students develop a heightened understanding of all

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- Jewish Studies <br> - Latin American Studies <br> - Legal Studies <br> - Liberal Studies <br> - Linguistics and Cognitive Science <br> - Mathematical Sciences <br> - Medical Humanities <br> - Medieval Studies <br> - Military Science <br> - Music <br> - Philosophy <br> - Physical Therapy <br> - Physics and Astronomy <br> - Political Science, International Relations, and Public Administration <br> - Psychology <br> - Religious Studies <br> - Sociology and Criminal Justice <br> - Theatre <br> - Women's Studies
}
aspects of human environment, intellectual curiosity, respect for fact, perception of the complexity of truth, skill in reasoning, and concern for integrity and logical consistency and acquire perceptions, skills, and attitudes to assist them in achieving a full and satisfying life

In addition to the requirements listed for the various degrees, students must fulfill the general University requirements for baccalaureate degrees listed in the all-campus Academic Regulations for Undergraduates section of this catalog.

For more information about the College of Arts and Science, please contact the Dean's Office at (302) 831-2351, or visit the college web site at http://www.udel.edu/as/

## ADVISEMENT

Students who have declared majors will be assigned an advisor who is a faculty member in the appropriate department. Undeclared students are assigned a member of the professional staff of the College of Arts and Science Advisement Center located at 102 Elliott Hall.

All freshman students who have earned less than 28 credit hours are required to meet with their advisors during preregistration for the spring and fall semesters. All other students are strongly encouraged to meet at least once each semester with their academic advisors.

Preprofessional advisement committees are available to advise students who plan to study dentistry, law, medicine, social work, or veterinary medicine. Dean's Office personnel will be glad to direct students to appropriate faculty members.

## GENERAL DEGREE REQUIREMENTS INFORMATION

Pass/Fail Grade Option. Courses to fulfill degree requirements may not be taken pass/fail unless they are offered only on a pass/fail basis. Students may elect to take one course per semester pass/fail. A total of no more than 24 credits may be taken pass/fail for a Bachelor's degree and no more than 12 credits for an Associate's degree. For more detailed information on the pass/fail grade option, see the chapter on Academic Regulations.
Physical Education. A maximum of two credits of HESC 120 may be counted toward the required minimum credits of all degrees in the college.
Duplicate Credits. Credits may be counted only once toward a degree. Courses repeated to improve a passing grade may not be counted a second time toward the minimum total credit hours required. Certain courses offered in a sequence will not be counted toward a degree if taken in reverse order of difficulty, e.g, FREN 105 course would not be counted if taken after FREN 107; similarly, MATH 115 would not be acceptable if taken after MATH 221.

Certain other courses have sufficient overlap of content, although taught at different degrees of difficulty, that credit would not be offered for both courses regardless of the order taken. For instance, credit will be offered only once for the following pairs of courses: MATH 221 and MATH 241, MATH 222 and MATH 242.

## COURSE OF STUDY OPTIONS

Single Major. A departmental major consists of at least 30 credits with the specified and elective courses determined by the individual department. A grade of $C$ - is required in all major courses

Several departments, e.g., English and history, have a number of internal options or specializations. To round out the departmental major, students may be required to take a designated number of credits of related work determined in consultation with a faculty advisor.

The faculty of the college have ruled that for the Bachelor of Arts degree, a maximum of 45 credits with the same departmental prefix may be applied to the total number of credits required for the degree. A cross-listed course will be considered a part of the 45 credit total, regardless of which prefix a student used to register for the course.

Students who choose a single major will normally have a number of "free elective" credits. Considerable thought should be given to the best use of these elective credits.

Double Major. This involves fulfilling the major requirements of two Bachelor of Arts or two Bachelor of Science majors. The advantage of a double major is that the student is able to develop and demonstrate strength in each area covered in the undergraduate program. Admission to double major status requires the approval of both departments and the dean(s) of the college(s) The minimum grade necessary in all courses required for the double major is the same as that needed for a single major in that degree program.
Interdepartmental Major. Students whose goals and interests heavily involve materials from two departments but do not extend to all
aspects of each subject area may work out and submit for the approval of both departments and the dean of the college an interdepartmental proposal. More detailed instructions on the Interdepartmental Major are available in the Advisement Center and Dean's Office, but basically this major involves a minimum of 21 credits from each department with another nine credits that may be distributed in a number of ways. Examples of departments frequently combined in such programs are Communication and English or Political Science and Economics. With the approval of the other college or department, one area of the interdepartmental major may be from outside the College of Arts and Science.

A minimum grade of $C$ - is normally required in all courses constituting the 21 credits of each area, and a $C$ average is necessary for all the 51 credits in the interdepartmental major
Area Study. Opportunity is provided for students interested in pursuing a broader field of study such as Comparative Literature, International Relations or Latin American Studies. Students majoring in International Relations are required to take 51 credits distributed among appropriate departments. Thirty of the 51 credits must be earned with at least a $C$ grade, and a C average is required for the total of the 51 credits.
Minors. In addition to the major, students may also elect to complete one or two minor programs. Departments offering a minor set their own requirements, but these always include at least 15 credits of course work. A minimum grade of $C$ - is normally required in all courses for a minor (See the list of minors in the front of this catalog.)

## BACHELOR OF ARTS

This degree, offered by all departments of the College of Arts and Science (see chart on p. vi), is awarded to those students who follow a broad course of study and is designed to provide a liberal education. For this degree, students must complete a minimum of 124 credits, composed of requirements for general education, required courses in a major, and elective courses. No more than 45 credits with the same departmental prefix (including cross-listed courses) may be counted toward the total required for the degree.
CORE CURRICULUM
CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)
ENGL 110 will be taken by all students as freshmen, except by students who have otherwise demonstrated the skills taught in that course. A score of 710 or higher on the SAT-II Writing Test will be a satisfactory demonstration of basic writing skills ENGL 110 must be completed by the time a student has earned 60 credits. Students who transfer into the College of Arts and Science with 45 credits or more must complete this requirement within two semesters.
MULTICULTURAL COURSE ..... .................. .......................................................
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content (see p 57).

BACHELOR OF ARTS
COLLEGE SKILL REQUIREMENTS
Writing: (minimum grade $C$ )
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)
Mathematics: (one of the following)
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics)
MATH 114 or MATH 170 College Mathematics and Statistics (designed for students who do not intend to continue the study of mathematics)
MATH 115 or MATH 171 PreCalculus
(designed for students who intend to continue the study of mathematics)

Successful completion of any mathematics course at or above the 200 level except MATH 251, MATH 252, or MATH 266
Successful performance on a proficiency fest in mathematics administered by the Department of Mathematical Sciences through the College of Arts and Science Advisement Center ( 0 credits awarded)

The math requirement must be completed by the time a student has earned 60 credits Students who transfer into the College of Arts and Science with 45 credits or more must complete this requirement within two semesters.
Foreign Language:
Completion of the intermediate-level course (107 or 112 or 214 ) in an ancient or modern language The number of credits needed and initial placement will depend on number of years of high school study of foreign language Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination

## COLLEGE BREADTH REQUIREMENTS

These requirements apply to all College of Arts and Science Bachelor of Arts degrees, except for the Bachelor of Arts in Mathematics Education, for which the number of credits in each group is different than below. See page 122 for these requirements GROUP A

Analysis and appreciation of the creative arts and humanities.
Twelve credits of courses representing at least two departments or appropriate instructional units.
GROUP B
The sfudy of culture and institutions over time
Twelve credits of courses representing at least two departments or appropriate instructional units
GROUP C

GROUP D
The study of natural phenomena through experiment or analysis Thirteen credits of courses representing at least two departments or appropriate instructional units and including a minimum of one course with an associated laboratory

A course may be applied toward more than one requirement (e.g., breadth and major requirements), but the credits are counted only once toward the total credits for graduation. If all but one course in a group has been taken in one department or program, a course cross-listed with that program will not satisfy the distribution requirement. For a complete list of the courses which fulfill breadth requirements, see pages 83-87.

## BACHELOR OF SCIENCE, BACHELOR OF FINE ARTS, BACHELOR OF MUSIC

Students whose goals indicate a high level of concentration or specialization may elect to fulfill requirements for the Bachelor of Science degree offered in a number of majors (see chart on $p$. vi). Similar degrees are the Bachelor of Fine Arts, with a heavy concentration on studio work, and the Bachelor of Music, with its own areas of specialization Curricular details for all of these degree programs can be found in the sections devoted to the individual departments.

## BACHELOR OF ARTS IN LIBERAL STUDIES

An option that offers a great deal of flexibility is the Bachelor of Arts in Liberal Studies (B.A.L.S.). The degree is designed for students who have need and justification for developing their own undergraduate major program within the 124 -credit minimum.

This degree differs from the regular Bachelor of Arts degree in that it requires 60 credits at the 300 -level or higher. The most significant difference from the more conventional degree, however, is that,
instead of a major, students pursue a sequence of courses of their choice that are consistent with their stated educational goals.

Admission into the Bachelor of Arts in Liberal Studies is determined by the College Faculty Senate Committee on Special Academic Programs, which reviews student proposals and approves them or makes suggestions on improving or strengthening them. To be eligible to apply to the program, a student must have a cumulative grade index of 2.25 and must have completed no more than 75 credit hours at the time of the application. The committee looks for proposals that are cohesive and realistic, designed to afford the student knowledge in some broad, interdisciplinary field or focused more narrowly and in greater depth on one theme and, in general, involving course combinations that would not be feasible within one of the other degree options. A minimum of 39 credit hours must be related to the main theme of the B.A.L.S project and a minimum grade of $C$ - must be earned in these core courses.

Advisement and planning are essential in formulating such a proposal Students are urged to seek advice from faculty members and the Dean's Office as they work on drawing up their programs. The screening committee requires the applications to carry the signature of at least two faculty members including the candidate's advisor. Proposals should be submitted to the Dean's Office by October 15 or by March 15

## ASSOCIATE DEGREES

The nonterminal degrees of Associate in Arts (A.A) and Associate in Science (A.S.) may be awarded upon application; students must apply before completing 75 credit hours. Information regarding admission requirements and eligibility for the associate degree programs may be found in the Undergraduate Admissions section of this catalog. Academic Advisement is available in the College of Arts and Science Advisement Center, 102 Elliott Hall.

The Associate in Arts represents completion of the first half of a Bachelor of Arts program; the Associate in Science, the first half of a Bachelor of Science program. Specific requirements follow:

## ASSOCIATE IN ARTS REQUIREMENTS

If any of the course requirements are satisfied through proficiency tests or exams, elective credits must be substituted to make up 60 hours. Courses taken to fulfill specific group, math, or language proficiency reqirements must be taken for a regular grade, not pass/fail.
CURRICULUM
CREDITS

## UNIVERSITY REQUIREMENTS

## Writing

ENGL 110 (minimum grade C.)
or
Exemption. ......................................................................................
Multicultural Course (see p 57) ...................................................................... 3
SKILL REQUIREMENTS
Mathematics fone of the following) ..................................................... 0.4
MATH 113 or
MATH 114 or
MATH 115 or
Successful completion of any mathematics course
above the 100 -level (except MATH 251 and MATH 252) or
Proficiency Test
Foreign Language
Elementary Level or
Proficiency Test ( 0 credits awarded)
BREADTH REQUIREMENTSCourses in each of the groups A-D must be taken in at least twodepartments. If all but one course in a group has been taken inone department or program, a course cross-listed with that deparment or program will not satisty the distribution requirement
Group A. Creative Arts and Humanities ..... 9
Group B Culture and Instifutions through Time ..... 9
Group C'. Humans and Their Environment ..... 9
Group D Natural Phenomena ..... 10
At least one course in Group D must be a laboratory science.
ELECTIVESAfter required courses are completed, sufficient elective creditsmust be taken to meet the minimum credit requirement for thedegree. Students may opt to take one free elective course persemester pass/fail, but the total number of credits taken on apass/fail basis may not exceed 12, excluding courses that aregraded pass/fail only Courses numbered below 100-level do nocount toward a degree
CREDITS TO TOTAL A MINIMUM OF ..... 60

## ASSOCIATE IN SCIENCE REQUIREMENTS

If any of the course requirements are satisfied through proficiency tests or exams, elective credits must be substituted to make up 60 hours. Courses taken to fulfill specific group, math, or language proficiency reqirements must be taken for a regular grade, not pass/fail.

## CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

Writing (one of the following)0-3
ENGL 110 (minimum grade C-)
or
Exemption ( 0 credits awarded)
Multicultural Course (see p 57)3
SKILL REQUIREMENTS
Mathematics (one of the following) ..... 6-8
MATH 221-222
$\stackrel{\text { or }}{ }$
MATH 241-242
Foreign Language$0-4$
Required if there is a language requirement for the corresponding Bachelor of Science degree. One of the following:
Elementary Level or
Proficiency Test ( 0 credits awarded)
BREADTH REQUIREMENTS
Courses in each of the groups A-D must be taken in at least two departments. If all but one course in a group has been taken in one department or program, a course cross-listed with that department or program will not satisfy the distribution requirement
Group A Creative Arts and Humanities9
Group B Culture and Institutions through Time ..... 9
Group C. Humans and Their Environment ..... 9
Group D Natural Phenomena ..... 12At least one course in Group D must be a laboratory science.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree Students may opt to take one free elective course per semester pass/fail, but the total number of credits taken on a pass/fail basis may not exceed 12, excluding courses that are graded pass/fail only. Courses numbered below 100 -level do not count toward a degree
CREDITS TO TOTAL A MINIMUM OF 60

## DEAN'S SCHOLAR PROGRAM

Each year the College of Arts and Science considers upon application a number of highly motivated students who have clear educational goals and the ability to achieve those goals. These students may be appointed Dean's Scholars. These students are freed of all college general education requirements so that they can build their entire program with faculty advisors. They are generally selected after they have finished three semesters at the University. Additional information is available from the Dean's Office.

## LIBERAL ARTS/ENGINEERING

These five-year programs combine work in liberal arts and engineering and lead to the simultaneous awarding of a bachelor's degree in Arts and Science and a bachelor's degree in the appropriate engineering field. For complete details on these programs, see the Arts and Science-Engineering Curricula section, p. 160

## TEACHER EDUCATION PROGRAMS

The College of Atts and Science offers teacher education programs for students who wish to prepare themselves to be certified teachers in Delaware or in other states and the overseas dependency schools. For secondary certification (high school, junior high school, middle school), programs are offered in biology, chemistry, eath sciences, English, foreign languages (French, German, Italian, Latin, Russian, Spanish), mathematics, physics, and social studies (anthropology, economics, geography, history, political science, psychology, and sociology). For K-12 certification, teacher education programs are offered in music (instrumental, keyboard, voice) and Foreign Languages.

Each degree program in teacher education requires a certain minimum G.P.A. for enrollment in EDUC 400, Student Teaching, a course required for the degree. The appropriate teacher education program advisor (see list on p. 176) should be consulted for the exact G.P.A. requirements and other policies concerning qualifications for student teaching.

See Teacher Education Programs in the College of Human Resources, Education and Public Policy section of this catalog for more information, including a list of program advisors.

## PRE-LAW

Students interested in admission to law school are free to major in any subject they choose Because no single major is preferred for entry to law school, the University provides advisement and information about law school admissions through the Pre-Law Advisory Committee. The Committee's members come from different disciplines across campus, so students have a choice of advisors. The Committee is a member of the Northeast Association of Pre-Law Advisors and regularly receives and circulates information from the American Association of Law Schools. UD students enjoy a rate of acceptance into law school that is higher than the national average, according to figures released by the Law School Admission Council.

The Career Services Office provides information on internships, summer job opportunities, and volunteer opportunities in the legal profession, and sponsors an annual Law School Fair, usually held in September. There is also an active Pre-Law Student Association, which sponsors field trips and guest speakers.

For more information, consult the Advisement Committee's bulletin board on the third floor of Smith Hall or the Pre-Law web site at http://copland.udel.edu/stu-org/prelaw/. Questions may be addressed to Committee Chair Professor Leslie Goldstein, 458 Smith Hall, telephone (302) 831-1931, or by e-mail to committee advisors listed at the pre-law web site.

## PREMEDICINE AND PREDENTISTRY

$\mathbf{P}_{\text {reparation }}$ for admission to professional schools in medicine, dentistry, and related fields must include specific course work in biology, chemistry, physics and mathematics. Although many preprofessional students major in biology or chemistry, because these disciplines include the science training required, nonscience majors are acceptable and, in fact, encouraged by many professional schools

Preprofessional students usually begin their career-related course work in the first semester of the freshman year in order to complete the relevant courses before taking professional aptitude tests as juniors. Early academic advisement is essential to ensure that the preprofessional curriculum requirements are met. The Health Sciences Advisory and Evaluation Committee (Room 118 Wolf Hall) coordinates advisory services for all students preparing for admission to health-related professional schools. Call 831-2282 for information.

The University participates in a cooperative medical education program with the Medical Center of Delaware and the Jefferson Medical College of Philadelphia, sponsored by the Delaware Institute for Medical Education and Research. Under the terms of this program, up to twenty students who are Delaware residents will be accepted for admission to Jefferson Medical College A portion of the clinical training of these students takes place in the Medical Center of Delaware. Information on application to this program may be obtained from the office of the Associate Chair of the Depatment of Biological Sciences.

The University of Delawate also participates with Jefferson Medical College in the Medical Scholars Program which permits selected students to begin their medical education while undergraduates at the University (see below).

## MEDICAL SCHOLARS PROGRAM

Designed and jointly sponsored by the University of Delaware and Jefferson Medical College in Philadelphia to educate men and women to deal with society's changing health care needs, this unique pre-professional program coordinates college, medical school, and residency years by integrating liberal arts, sciences, and professional studies across both institutions. Utilizing faculty and courses at the University of Delaware and Jefferson Medical College, the curriculum includes traditional studies in the life and health sciences, as well as courses in the humanities, ethics, social sciences, economics, political science, and health policy. Group discussion, problem-based instruction, practicums in clinical settings, hands-on science, computer and video disc technology are part of the program. Under this program, students receive a Bachelor of Arts in Liberal Studies degree and conditional acceptance to Jefferson Medical College as early as their sophomore year at Delaware, after successfully completing at least a year in an interest group. For more information, contact Senior Associate Dean Heyward Brock at (302) 831-8195.

## FIELD STUDIES OPTION

Many students may benefit from a semester devoted to a carefully planned field studies program away from the campus. Opportunity is available under this option to develop an academic program involying field research and data collection or involving associated work in a government organization or private company. Such an academic option must be developed in detail with an academic advisor More information is available from the Dean's Office, to which proposals should be submitted by October 15 or by March 15

## COURSES APPROVED FOR SECOND WRITING REQUIREMENT

NOTE: Only the sections designated in the Registration Booklet as satisfying the Arts and Science Second Writing Course apply.
Only a limited number of courses, when transferred from another institution, will satisfy the second writing requirement. Please contact the Arts and Science Advisement Center and Dean's Office for further information

## Anthropology (ANTH)

ANTH 486 Tutorial in Social and Cultural Anthropology
ANTH 487 Tutorial in Archaeology
ANTH 488 Tutorial in Physical Anthropology

## Art History (ARTH)

ARTH 213 Art of the Northern Renaissance
ARTH 250 Rulers' Images: Augustus to Washington
ARTH 301 Research and Methodology in Art History
ARTH 302 Prints and Society
ARTH 310 The Role of the Artist in Society
ARTH 402 Undergraduate Seminar: History of Art
ARTH 405 Seminar in Greek and Roman Art
ARTH 406 Seminar in Medieval Art
ARTH 408 Seminar in Northern Renaissance Art
ARTH 413 Seminar in Italian Renaissance Art
ARTH 417 Seminar in Northern Baroque Art
ARTH 423 Seminar in Twentieth Century Art
ARTH 429 Seminar in Modern Architecture
ARTH 431 Seminar in American Architecture
ARTH 435 Seminar in American Art

## Arts and Science (ARSC)

ARSC 316 Honors: Peer Tutoring/Advanced Composition (cross-listed with ENGL 316)

## Biology (BISC)

BISC 330 Biology of Vision
BISC 450 Proseminar in Environmental Science (cross-listed with GEOG 450 and GEOL 450)
BISC 498 Topics in Biology (cross-listed with CSCC 498)

## Black American Studies (BAMS)

BAMS 415 Race, Class and Gender
(cross-listed with SOCl 415 and WOMS 415)
BAMS 432 Psychological Perspectives on the Black American (cross-listed with PSYC 416)
Science and Culture (CSCC)
CSCC 355 Computers, Ethics and Sociery (cross-listed with SOCI 355)
CSCC 368 Literature and Science (cross-listed with ENGL 368)
CSCC 385 History of Biological Ideas (cross-listed with HIST 385)
$\operatorname{CSCC} 411$ Seminar in American History (cross-lisfed with HIST 411)
CSCC 444 Medical Ethics (cross-listed with PHIL 444)
CSCC 498 Topics in Biology (cross-listed with BISC. 498)
Chemistry (CHEM)
CHEM 610 History of Chemistry

## Communication (COMM)

COMM 311 Communication Techniques
COMM 418 Topics in Mass Communication: Broadcast Television History
COMM 438 Speech, Language and Communication
COMM 452 Communication and Persuasion
COMM 485 Analysis of Face-to-Face Communication
Comparative Literature (CMLT)
CMLT 311 Twentieth-Century Literature I (cross-listed with FLLT 311)
CMIT 312 Twentieth-Century Literature If (cross-listed with FLLT 312)
CMLT 341 Theatre/Drama: Classic/Medieval (cross-listed with THEA 341)
CMIT 342 Theatre/Drama: Renaissance to 1700 (cross-listed with THEA 342)
CMLT 343 Thearre/Drama: 1700 to 1900 (cross-listed with THEA 343)
CMLT 344 Theatre/Drama: 1900 to Present (cross-listed with THEA 344)
CMLT 480 Seminar (cross-listed with ENGL 480, and WOMS 480)
Criminal Justice (CRJU)
CRJU 312 Crime and Punishment in American History (cross-listed with HIST 312)
CRU 428 Corporate Crime (cross-listed with SOCl 428 )
CRJU 456 Lawyers and Society (cross-listed with SOCI 456)
CRUU 460 Criminal Justice Policy

## English (ENGL)

ENGL 200 Approaches to Literature
ENGL 301 Expository Writing

ENGL 302
ENGL 307
ENGL 309
ENGL 312
Honors: Peer Tutoring/Advanced Composition (cross-listed with ARSC 316)
ENGL 368 Liferature and Science (cross-listed with CSCC 368)
ENGL 409 Topics in Journalism
ENGL 410 Technical Writing
ENGL 415 Writing in the Professions
ENGL 480 Seminar (cross-listed with CMLT 480 and WOMS 480)

## Foreign Languages and Literafures (FLLT)

FLIT 311 Twentieth-Century Literature I (cross-listed with CMLT 311)
FLLT 312 Twentieth-Century Literature II (cross-listed with CMLT 312)
FLIT 328 Topics in Japanese Literature in Translation (cross-listed with WOMS 328)
FLIT 329 Topics in Italian Literature in Translation (cross-listed with WOMS 329)
FLLT 338 Light and Shadow - Japanese Films
FLLT 380 Topics in Japanese Culture in Translation

## Geography (GEOG)

GEOG 346 Urban Cultural Geography
GEOG 445 Method and Theory in Geography
GEOG 450 Proseminar in Environmental Science (cross-listed with BISC. 450 and GEOL 450)
Geology (GEOL)
GEOL 450 Proseminar in Environmental Science (cross-listed with BISC 450 and GEOG 450)
History (HIST)
HIST 130 Islāmic Near East: 600-1500
HIST 131 Islamic Near East: 1500 to the Present
HIST 250 Roots of Contemporary Culture
HIST 300 Women in American History (cross-listed with WOMS 300)
HIST 301 The Worker in American Life
HIST 303 American Intellectual History
HIST 304 American Intellectual History
HIST 305 Images of Race and Ethnicity in American Culture
HIST 307 The US in the Early National Period
HIST 308 The US in the Antebellum Period
HIST 309 U.S. Business and Political Economy
HIST 312 Crime and Punishment in American History (cross-listed with CRUU 312)
HIST 313 Early Twentieth-Century America
HIST 314 Twentieth-Century America
HIST 318 Colonial America
HIST 319 Revolutionary America
HIST 323 The Old South
HIST 328 American Industrial Society: 1815 to Present
HIST 330 Peasants and Revolution in Africa
HIST 334 History of Mexico
HIST 335 History of Colonial Latin America
HIST 341 Ancient Rome
HIST 344 Renaissance Europe
HIST 345 Europe in the Reformation Era: 1517 to 1648
HIST 346 Age of Louis XIV
HIST 347 The French Revolution and Napoleon
HIST 348 History of Spain: 1479 to Present
HIST 349 Hispanic Societies: 1492 to Present
HIST 352 Contemporary European Society
HIST 353 Modern Germany: 1770 to 1919
HIST 354 Germany in 20th Century: 1914 to Present
HIST 355 Early Modern Intellectual History
HIST 356 Modern European Intellectual History
HIST 359 Soviet Russia: 1917 to 1990
HIST 361 European Business History: 1850 to Present
HIST 368 Modern China: 1600-1920s
HIST 369 China Since 1900
HIST 370 History of Modern Japan
HIST 373 Modern Ireland: 1534 to Present
HIST 377 Radicalism and Revolution: Islamic Movements in the Modern Middle East
HIST 378 Nationalism in the Modern Middle East
HIST 380 History of the Arab-Israeli Conflict
HIST 385 History of Biological Ideas (cross-listed with CSCC 385)
HIST 397 History of South Africa
HIST 409 Varieties of Modern Feminism (cross-listed with WOMS 409)
HIST 411 Seminar in American History
(cross-listed with $\operatorname{CSCC} 411$ )

HIST 430
HIST 439
HIST 440
HIST 459
HIST 471
HIST 473
HIST 474
HIST 475
HIST 477
HIST 479

Seminar in Twentieth-Century Latin American Revolutions Women and Revolution in Africa (cross-listed with WOMS 439) Seminar in Africa Under Colonial Rule
Seminar in United States Urban History
Seminar in Medieval History (cross-listed with WOMS 472)
Seminar in Early Modern European History
(cross-listed with WOMS 473)
Seminar in English History
Seminar in Modern European History
Seminar in Latin American History
Seminar in Asian History

## Music (MUSC)

MUSC 302 Women in Music: An Alternate Survey (cross-listed with WOMS 302)
MUSC 311 Music History: 400 through 1600
MUSC 312 Music History: 1600 through 1827
MUSC 313 Music History: 1825 to the Present
MUSC 345 History of Theatre: American Musical Theare
(cross-listed with THEA 345)
Philosophy (PHIL)
PHIL 444 Medical Ethics (cross-listed with CSCC 444)
PHIL 463 Ethical Theory
PHIL 465 Senior Seminar

## Political Science (POSC)

POSC 334 Liberalism and Conservatism
POSC 380 Introduction to Law
POSC 408 International Organizations
POSC 433 African Politics
POSC 434 Political Thought I
POSC 435 Political Thought II
POSC 445 Human Rights and World Politics
POSC 448 Theories of International Relations

## Psychology (PSYC)

PSYC 40.5 Advanced Social Psychology
PSYC 414 Drugs and the Brain
PSYC 415 History and Systems of Psychology
PSYC 416 Psychological Perspectives on the Black American
(cross-listed with BAMS 432)
PSYC 425 Topics in Child Psychology
PSYC 445 Topics in Adolescent Psychology

## Sociology (SOCI)

SOCl 305 Social Class and Inequality
SOCI 355 Computers, Ethics and Society (cross-listed with CSCC 355)
SOCl 415 Race, Class and Gender
(cross-listed with BAMS 415 and WOMS 415)
SOCl 428 Corporate Crime (cross-listed with CRIU 428)
SOCl 456 Lawyers and Society (cross-listed with CRUU 456)
Theatre (THEA)
THEA 341 Theatre/Drama: Classic/Medieval (cross-listed with CMIT 341)
THEA 342 Theatre/Drama: Renaissance to 1700 (cross-listed with CMLT 342)
THEA 343 Theatre/Drama: 1700 to 1900 (cross-listed with CMLT 343)
THEA 344 Theatre/Drama: 1900 to Present (cross-listed with CMLT 344)
THEA 345 History of Theatre: American Musical Theatre
(cross-listed with MUSC 345)
THEA 346 History of Theatre: The American Theatre
THEA 410 Fundamentals of Dramaturgy

## University (UNIV)

UNIV 490 Honors Tutorial: Humanities
UNIV 491 Honors Tutorial: Natural/Social Science

## Women's Sfudies (WOMS)

WOMS 300 Women in American History (cross-listed with HIST 300)
WOMS 302 Women in Music: An Alternate Survey (cross-listed with MUSC 302)
WOMS 328 Topics in Japanese Literature in Translation (cross-listed with FLIT 328)
WOMS 329 Topics in Italian Literature in Translation (cross-listed with FLIT 329)
WOMS 409 Varieties of Modern Feminism (cross-listed with HIST 409)
WOMS 415 Race, Class and Gender
(cross-listed with BAMS 415 and SOCI 415)
WOMS 439 Women and Revolution in Africa (cross-listed with HIST 439)
WOMS 472 Studies in Medieval History (cross-listed with HIST 471)
WOMS 473 Studies in Early Modern European History
(cross-listed with HIST 473)
WOMS 480 Seminar (cross-listed with CMLT 480 and ENGL 480)

## COURSES APPROVED FOR BREADTH REQUIREMENTS

The College of Arts and Science publishes a handbook of further information regarding the specific courses that are applicable and a detailed description of the objectives of each group. The handbook is available from the Advisement Center and Dean's Office Questions on the application of courses to group requirements may be directed to the Advisement Center and Dean's Office.

## GROUP A

## Anthropology (ANTH)

ANTH 205 Anthropology and Human Nature
ANTH 216 Introduction to Material Culture Studies (cross-listed with HIST 216)
ANTH 227 American Culture
ANTH 231 Personality and Culture
ANTH 239 Arts and Crafts of Native North America
ANTH 251 introduction to the Ethnic Arts
ANTH 338 Arts and Crafts of Native South America
ANTH 360 Humanities Colloquium
ANTH 457 Survey of African Art (cross-listed with ARTH 457)

## Art (ART)

ART 31.5 Issues in Contemporary Art

## Art History (ARTH)

ARTH 150 Monuments and Methods in the History of Art
ARTH 151 Myth, Religion, and Art
ARTH 152 Design and Expression in the Visual Arts
ARTH 161 Art in East and West
ARTH 162 History of Architecture
ARTH 237 Art of Tibet
ARTH 457 Survey of African Art (cross-listed with ANTH 457)

## Science and Culfure (CSCC)

CSCC 241 Ethical Issues in Health Care (cross-listed with PHIL 241)
CSCC 246 Philosophical Perspectives of Medicine (cross-listed with PHIL 246)
CSCC 368 Literature and Science (cross-listed with ENGL 368)
CSCC 369 Literature and Medicine (cross-listed with ENGL 369)
CSCC 444 Medical Ethics (cross-listed with PHIL 444)

## Comparative Literature (CMLT)

CMLT 202 Biblical and Classical Literałure
(cross-listed with ENGL 202 and FLLT 202)
CMLT 217 Introduction to Film (cross-listed with ENGL 217)
CMLT 218 Introduction to Drama
(cross-listed with ENGL 208 and WOMS 208)
CMLT 219 Introduction to the Novel
(cross-listed with ENGL 209 and WOMS 209)
CMLT 314 Introduction to Folklore and Folklife (cross-listed with ENGL 314)
CMLT 316 Classical Mythology (cross-listed with FLLT 316)
CMLT 320 Varying Authors and Genres
(cross-listed with FLLT 320 and WOMS 320)
CMLT 322 Topics: Classical Literature in Translation (cross-listed with FLLT 322)

## English (ENGL)

ENGL 200 Approaches to Literature
ENGL 202 Biblical and Classical Literature
(cross listed with CMIT 202 and FLLT 202)
ENGL 204 American Literature
ENGL 207 Introduction to Poetry
ENGL 208 Introduction to Drama (cross-listed with CMLT 218 and WOMS 208)
ENGL 209 Introduction to the Novel
(cross-listed with CMLT 219 and WOMS 209)
ENGL 210 Short Story
ENGL 217 Introduction to Film (cross-listed with CMIT 217)
ENGL 314 Introduction to Folklore and Folklife (cross-listed with CMIT 314)
ENGL 315 Ballad and Folksong
ENGL 320 The Bible as Literature
ENGL 324 Shakespeare
ENGL 368 Literature and Science (cross-listed with CSCC 368)
ENGL 369 Literature and Medicine (cross-listed with CSCC 369)
ENGL 380 Women Writers (cross-listed with JWST 380 and WOMS 380)

## Foreign Languages and Literafures (FLLT)

FLLT 202 Biblical and Classical Literature
(cross-listed with CMLT 202 and ENGL 202)
FLIT 316 Classical Mythology (cross-listed with CMIT 316)

## FLIT 320 Varying Authors and Genres

 (cross-listed with CMLT 320 and WOMS 320)FLLT 322 Topics: Classical Literature in Translation (cross-listed with CMLT 322)
FLLT 324 Topics: French Literature in Translation (cross-listed with WOMS 324)
FLIT 325 Topics: German Literature in Translation (cross-listed with WOMS 325)
FLIT 326 Topics: Hispanic Literature in Translation (cross-listed with WOMS 326)
FLLT 327 Topics: Russian Literature in Translation
FLLT 328 Topics: Japanese Literature in Translation (cross-listed with WOMS 328) FLLT 329 Topics: Italian Literature in Translation

## French (FREN)

FREN 456 French Theater Workshop

## Geography (GEOG)

GEOG 203 Introduction to Cultural Geography
GEOG 345 Culfural Geography
GEOG 346 Urban Cultural Geography

## German (GRMN)

GRMN 211 German Reading and Composition: Short Fiction (to be taught in German)

## History (HIST)

HIST 216 Introduction to Material Culture Studies (cross-listed with ANTH 216)
Jewish Studies (JWST)
JWST 380 Women Writers (cross-listed with ENGL 380 and WOMS 380)
Linguistics (LING)
UNG 301 Dictionaries

## Music (MUSC)

MUSC 101 Appreciation of Music
MUSC 102 Appreciation of Music
MUSC 103 Introduction to Opera
MUSC 104 Introduction to Opera Il
MUSC 105 Fundamentals of Music I
MUSC 106 Fundamentals of Music II
MUSC 195 Harmony I
MUSC 196 Harmony II
MUSC 197 Jazz Harmony
MUSC 209 History of Spanish Music
Philosophy (PHIL)
PHIL $100 \quad$ Philosophies of Life (cross-listed with WOMS 100)
PHIL 101 Great Western Philosophers
PHIL 102 Introduction to Philosophy
PHIL 201 Social and Political Philosophy
PHIL 202 Contemporary Moral Problems (cross-listed with WOMS 203)
PHIL 204 World Religions
PHIL 210 Women and Religion (cross-listed with WOMS 210)
PHIL 216 Introduction to Feminist Theory (cross-listed with WOMS 216)
PHIL 241 Ethical Issues in Health Care (cross-listed with CSCC 241)
PHIL 244 Philosophy of Art
PHIL 246 Philosophical Perspectives of Medicine (cross-listed with CSCC 246)
PHIL 317 American Philosophy
PHIL 444 Medical Ethics (cross-listed with CSCC 444)

## Political Science (POSC)

POSC 285 Currents in Political Theory
POSC 333 Communism, Fascism, and Democracy

## Theatre (THEA)

THEA 102 Introduction to Performance
THEA 104 Introduction to Theatre and Drama
THEA 106 The Theatrical Experience Abroad
THEA 200 Introduction to Theatre Production
THEA 202 Introduction to Theatre Design
THEA 203 Introduction to Costuming
THEA 206 Introduction to Dance
THEA 410 Fundamentals of Dramaturgy

## University (UNIV)

UNIV 490 Honors Tutorial: Humanities

## Women's Sfudies (WOMS)

WOMS 100 Philosophies of Life (cross-listed with PHIL 100)
WOMS 203 Contemporary Moral Problems (cross-listed with PHIL 202)
WOMS 204 Gender and Knowledge
WOMS 205 Women in the Arts and Humanities
WOMS 208 Introduction to Drama (cross-listed with CMLT 218 and ENGL 208)
WOMS 209 Introduction to the Novel (cross-listed with CMLT 219 and ENGL 209)
WOMS 210 Women and Religion (cross-listed with PHIL 210)
WOMS 216 Introduction to Feminist Theory (cross-listed with PHIL 216)

WOMS 320 Varying Authors and Genres (cross-tisted with CMLT 320 and FLIT 320 )
WOMS 324 French Literature in Translation (cross-listed with FLLT 324)
WOMS 325 German Literature in Translation (cross-listed with FLLT 325)
WOMS 326 Hispanic Literature in Translation (cross-listed with FLLT 326)
WOMS 328 Topics: Japanese Literature in Translation (cross-listed with FLLT 328)
WOMS 380 Women Writers (cross-listed with ENGL 380 and JWST 380)

## GROUP B <br> Anthropology (ANTH)

ANTH 101 Introduction to Social and Cultural Anthropology
ANTH 105 Introduction to Historical Archaeology
ANTH 228 Peoples and Cultures of the Southwest
ANTH 260 Sociocultural History of Africa
ANTH 261 Peoples and Cultures of the Middle East
ANTH 265 High Civilizations of the Americas
ANTH 278 Historic Cultures of the Mid-Atlantic Region (cross-listed with HIST 278)
ANTH 322 The City in American Culfure (cross-listed with HIST 322)
ANTH 323 Prehistory of South America
ANTH 327 Peoples of the Caribbean
ANTH 375 Peoples and Cultures of Modern Latin America

## Art History (ARTH)

ARTH 153 Introduction to Art History
ARTH 154 Introduction to Art History II
ARTH 1.55 Asian Art
ARTH 207 Origins of Art
ARTH 208 Greek and Roman Art
ARTH 209 Early Medieval Art 200-1000 A.D.
ARTH 210 Later Medieval Art 1000-1400 A D
ARTH 217 Early Renaissance Art
ARTH 218 High Renaissance and Mannerist Art
ARTH 220 Italian Renaissance Architecture
ARTH 222 Baroque Art
ARTH 223 Baroque and Rococo Architecture and Urbanism
ARTH 225 Eighteenth Century Art
ARTH 227 Modern Art I
ARTH 228 Modern Art II
ARTH 230 American Art: 1607-1865
ARTH 231 American Art: 1865-Present
ARTH 233 Art of China
ARTH 234 Art of Japan
ARTH 235 Art of India
ARTH 236 The Arts of Islam
ARTH 245 The American Home
ARTH 250 Rulers' Images from Augustus to George Washington
ARTH 302 Prints and Society
ARTH 304 Northern Baroque Art
ARTH 305 Italian Baroque: Metaphor and Marvel
ARTH 308 Modern Architecture I: 1750-1900
ARTH 309 Modern Architecture II: 20th Century
ARTH 310 Role of the Artist in Society
ARTH 318 History of Photography

## Black American Studies (BAMS)

BAMS 134 History of Africa (cross-listed with HIST 134)
BAMS 220 The American Civil Rights Movement (cross-listed with HIST 220)
BAMS 304 History of Black America to the Civil War (cross-listed with HIST 325)
BAMS 306 History of Black America Since the Civil War (cross-listed with HIST 326)
BAMS 313 African American Literature I (cross-listed with ENGL 344)

## Science and Culture (CSCC)

CSCC 330 Varying Authors, Themes and Movements
(cross-listed with CMLT 330, FLLT 330 and WOMS 330)
CSCC 382 History of Western Medicine (cross-listed with HIST 382)

## Comparative Literature (CMLT)

CMLT 207 Great Writers of the Western World I (cross-listed with ENGL 211 )
CMLT 208 Great Writers of the Western World II (cross-listed with ENGL 212)
CMLT 317 Film History (cross-listed with ENGL 317)
CMLT 321 Medieval Liferature and Culture (cross-listed with ENGL 321)
CMLT 330 Varying Authors, Themes, and Movements
(cross-listed with CSCC 330, FLIT 330 and WOMS 330)
CMLT 341 Thearre/Drama: Classic/Medieval (cross-listed with THEA 341)
CMIT 342 Theatre/Drama: Renaissance to 1700 (cross-listed with THEA 342)
CMLT 343 Thearre/Drama: 1700 to 1900 (cross-listed with THEA 343)
CMLT 344 Theatre/Drama: 1900 to Present (cross-listed with THEA 344)

## Consumer Studies (CNST)

CNST 214 Costume History Before 1700
CNST 224 Costume Design and Production Since 1700
CNST 319 Dress and Cullure

## Economics (ECON)

ECON 315 Economic History of Colonial America
ECON 316 Economic History of the U S
ECON 318 Economic History of France

## English (ENGL)

ENGL 205 British Literature I
ENGL 206 British Literature II
ENGL 211 Great Writers of the Western World I (cross-listed with CMLT 207)
ENGL 212 Great Writers of the Western World II (cross-listed with CMLT 208)
ENGL 317 Film History (cross-listed with CMLT 317)
ENGL 321 Medieval Literature and Culture (cross-listed with CMIT 321)
ENGL 340 American Literature to the Civil War
ENGL 341 American Literature: Civil War to World War II
ENGL 344 African American Literature I (cross-listed with BAMS 313)
ENGL 345 African American Literature II
Foreign Languages and Literatures (FLLT)
FLLT 330 Varying Authors, Themes, and Movements
(cross-listed with CMLT 330, CSCC 330 and WOMS 330)
FLLT 375 Topics: Russian and Soviet Culture in Translation
FLLT 380 Topics: Japanese Culture in Translation

## French (FREN)

FREN 301 Introduction to French Literature: Prose (to be taught in French)
FREN 302 Introduction to French Literature: Poetry and Theatre
(to be taught in French)
FREN 325 French Civilization I (to be taught in French)
FREN 326 French Civilization II (to be taught in French)

## Geography (GEOG)

GEOG 225 Historical Geography of the United States

## German (GRMN)

GRMN 311 Introduction to German Literature I (to be taught in German)
GRMN 312 Introduction to German Literature II (to be taught in German)
GRMN 325 German Civilization and Culture (to be taught in German)

## History (HIST)

HIST 101
Western Civilization to 1648
HIST 102 Western Civilization: 1648 to Present
HIST 103 World History to 1648
HIST 104 World History: 1648 to Present
HIST 130 Islamic Near East: 600-1.500
HIST 131 Islamic Near East: 1500 to Present
HIST 134 History of Africa (cross-listed with BAMS 134)
HIST 135 Introduction to Latin American History
HIST 137 East Asian Civilization: China
HIST 138 East Asian Civilization: Japan
HIST 205 United States History
HIST 206 United States History
HIST 210 War and Society
HIST 220 The American Civil Rights Movement (cross-listed with BAMS 220)
HIST 270 History of Modern Asia
HIST 278 Historic Cultures of the Mid-Atlantic Region
(cross-listed with ANTH 278)
HIST 280 Science and Civilization
HIST 300 Women in American History (cross-listed with WOMS 300 )
HIST 303 American Intellectual History
HIST 304 American Intellectual History
HIST 306 Hisfory of American Foreign Policy
HIST 315 Postwar America: The United States Since 1945
HIST 318 Colonial America
HIST 319 Revolutionary America
HIST 322 The City in American Culture (cross-listed with ANTH 322)
HIST 325 History of Black America to the Civil War
(cross-listed with BAMS 304)
HIST 326 History of Black America Since the Civil War (cross-listed with BAMS 306)
HIST 330 Peasants and Revolution in Africa
HIST 340 Ancient Near East and Greece
HIST 341 Ancient Rome
HIST 344 Renaissance Europe
HIST 345 Europe in the Reformation Era: 1517 to 1648
HIST 348 History of Spain: 1479 to Present
HIST 349 Hispanic Societies: 1492 to Present
HIST 353 Modern Germany: 1770 to 1919
HIST 354 Germany in 2Oth Century: 1914 to Present
HIST 355 Early Modern Intellectual History
HIST 356 Modern European Intellectual History
HIST 359 Soviet Russia: 1917 to 1990
HIST 368 Modern China: 1600-1920s
HIST 369 China Since 1900

HIST 370 HIST 371
HIST 372 Popular Culture in Urban Japan
HIST 373 Modern Ireland: 1534-Present
HIST 374 History of England to 1715
HIST 375 History of England: 1715 to Present
HIST 377 Radicalism and Revolution: Islamic Movements in the Modern Middle East
HIST 378 Nationalism in the Modern Middle East
HIST 380 History of the Arab-lsraeli Conflict
HIST 382 History of Western Medicine (cross-listed with CSCC 382)
HIST 383 History of Science and Medicine I
HIST 384 History of Science and Medicine II
HIST 387 Technology in Western Civilization I
HIST 388 Technology in Western Civilization II
HIST 393 History of Modern Vietnam
HIST 397 History of South Africa
HIST 439 Women and Revolution in Africa (cross-listed with WOMS 439)
HIST 474 Seminar in English History
HIST 479 Seminar in Asian History

## Italion (ITAL)

ITAL 310 Survey of Italian Literature (to be taught in Italian)
ITAL 311 Survey of Italian Literature (to be taught in Italian)
ITAI 325 Italian Civilization and Culture

## Music (MUSC)

MUSC 107 History of Rock
MUSC 205 Music of the Non-Western World
MUSC 206 Music of China, Korea and Japan
MUSC 207 History of Jazz
MUSC 210 Music of Britain
MUSC 212 History of Liturgy and Hymns
MUSC 302 Women in Music: An Alternate Survey
(cross-listed with WOMS 302)
MUSC 311 Music History: to 1600
MUSC 312 Music History: 1600 through 1827
MUSC 313 Music History: 1825 to the Present
MUSC 345 History of Theatre: American Musical Theatre
(cross-listed with THEA 345)

## Philosophy (PHIL)

| PHIL 301 | Ancient Philosophy |
| :--- | :--- |
| PHIL 302 | Medieval Philosophy |
| PHIL 303 | Modern Philosophy |
| PHIL 309 | Indian Religion and Philosophy |
| PHIL 310 | Chinese Religion and Philosophy |

## Political Science (POSC)

POSC 211 Politics in Developing Nations
POSC 311 Politics of Developing Nations
POSC 387 American Political Thought

## Russian (RUSS)

RUSS 310 Introduction to Russian Literature ( (to be taught in Russian)
RUSS 312 Introduction to Russian Literature II (to be taught in Russian)
RUSS 325 Russian Civilization and Culture fo be taught in Russian)

## Spanish (SPAN)

SPAN 301 Survey of Spanish Literature (to be taught in Spanish)
SPAN 302 Survey of Spanish Literature (to be taught in Spanish)
SPAN 303 Survey of Spanish-American Literature (to be taught in Spanish)
SPAN 304 Survey of Spanish-American Literature (to be taught in Spanish)
SPAN 325 Spanish Civilization and Culture (to be taught in Spanish)
SPAN 326 Latin American Civilization and Culture (to be taught in Spanish)

## Theatre (THEA)

THEA 341 Theatre/Drama: Classic/Medieval (cross-listed with CMLT 341)
THEA 342 Theatre/Drama: Renaissance to 1700 (cross-listed with CMLT 342)
THEA 343 Theatre/Drama: 1700 to 1900 (cross-listed with CMLT 343)
THEA 344 Theatre/Drama: 1900 to Present (cross-listed with CMLT 344)
THEA 345 History of Thearre: American Musical Thearre
(cross-listed with MUSC 345)
THEA 346 History of Thearre: The American Theatre

## Women's Studies (WOMS)

WOMS 300 Women in American History (cross-listed with HIST 300)
WOMS 302 Women in Music: An Alternate Survey (cross-listed with MUSC 302)
WOMS 330 Varying Authors, Themes, and Movements
(cross-listed with CMLT 330, CSCC 330 and FLLT 330)
WOMS 439 Women and Revolution in Africa (cross-listed with HIST 439)


## Arts and Science (ARSC)

ARSC 127 Shaping of the Modern World
Black American Studies (BAMS)
BAMS 110 Introduction to Black American Studies
BAMS 204 Urban Communities (cross-listed with SOCl 204)
BAMS 205 Contemporary Afro-American Issues
BAMS 212 Afro-Caribbean Life and Culture
BAMS 361 Race, Power, and Social Conflict (cross-listed with SOCl 361)

## Science and Culture (CSCC)

CSCC 271 Comparative Medical Systems
CSCC 310 Sociology of Health Care (cross-listed with SOCI 310)
CSCC 311 Hospitals (cross-listed with SOCl 311 )

## Cognitive Science (CGSC)

CGSC 270 Introduction to Cognitive Science
CGSC 330 Philosophy of the Mind (cross-listed with PHIL 330)

## Communication (COMM)

COMM 200 Introduction to Human Communication Systems
COMM 245 Mass Communication and Culture
COMM 251 The Development of Verbal Communication
COMM 330 Communication and Interpersonal Behavior

## Consumer Studies (CNST)

CNST 200 Consumer Economics
Criminal Justice (CRJU)
CRJU 110 Introduction to Criminal Justice
CRJU 120 Illicit Drug Use in America
CRJU 201 Problems of Law Enforcement
CRUU 202 Problems of Criminal Judiciary
CRUU 203 Problems of Corrections
CRJU 345 Sociology of the Law (cross-listed with SOCI 345)

## Economics (ECON)

ECON 100 Economic Issues and Policies
ECON 151 Introductory Microeconomics: Prices and Markets
ECON 152 Introductory Macroeconomics: National Economy
ECON 305 Comparative Economic Systems
ECON 306 Economic Theory of Politics (cross-listed with POSC 306)
ECON 311 Economics of Developing Countries
ECON 332 Economics of Government Spending and Taxation
ECON 340 International Economics
ECON 348 Industrial Policies of France
ECON 360 Government Regulation of Business
ECON 381 Economics of Human Resources
ECON 393 Urban Economics

## English (ENGL)

ENGL 390 English Linguistics (cross-listed with LING 390)

## Geography (GEOG)

GEOG 102 Human Geography
GEOG 120 World Regional Geography
GEOG 210 Economic Geography
GEOG 230 Humans and the Earth Ecosystem
GEOG 235 Conservation of Natural Resources
GEOG 240 Environment and Behavior
GEOG 320 Water and Society

## History (HIST)

HIST 327 American Labor before Industrialization

## Linguistics (LING)

LING 101 Introduction to Linguistics 1
LING 102 Language, Mind and Society
LING 203 Languages of the World
LING 222 Language and Gender (cross-listed with WOMS 222)
LING 265 Studies in Language
LING 390 English linguistics (cross-listed with ENGL 390)

## Music (MUSC)

MUSC 309 Patterns of Patronage

## Philosophy (PHIL)

PHIL 330 Philosophy of the Mind (cross-listed with CGSC 330)

## Political Science (POSC)

POSC 105 The American Political System
POSC 106 Introduction to Political Science: Issues
POSC 220 Introduction to Public Policy
POSC 240 Introduction to International Relations
POSC 270 Comparative Politics
POSC 306 Economic Theory of Politics (cross-listed with ECON 306)
POSC 343 Society, Politics, and Health Care (cross-listed with SOCI 343 )

## Psychology (P5YC)

PSYC 201 General Psychology
PSYC 301 Personality
PSYC 303 Introduction to Social Psychology
PSYC 325 Child Psychology
PSYC 333 Psychology of Women (cross-listed with WOMS 333)
Sociology (SOCI)
SOCI 201 Introduction to Sociology
SOCI 202 Social Deviance
SOCI 203 The Individual and Society
SOCI 204 Urban Communities (cross-listed with BAMS 204)
SOCI 206 Women and Work (cross-listed with WOMS 206)
SOCI 209 Social Problems
SOCI 210 Population Problems
SOCl 211 Men, Conflict, and Social Change (cross-listed with WOMS 211)
SOCl 308 The Family
SOCI 310 Sociology of Health Care (cross-listed with CSCC 310)
SOCI 311 Hospitals (cross-isted with CSCC 311)
SOCI 322 Crowds, Cults, and Revolutions
SOCI 343 Society, Politics, and Health Care (cross-listed with POSC 343)
SOCl 345 Sociology of Law (cross-listed with CRU 345)
SOCI 361 Race, Power, and Social Conflict (cross-listed with BAMS 361)
SOCI 362 Sociology of Mass Communication
SOCI 407 Sociology of Sex and Gender (cross-listed with WOMS 407)

## Women's Studies (WOMS)

WOMS 201 Introduction to Women's Studies
WOMS 202 Introduction to International Women's Studies
WOMS 206 Women and Work (cross-listed with SOCl 206 )
WOMS 211 Men, Conflict, and Social Change (cross-listed with SOCl 211)
WOMS 222 Language and Gender (cross-listed with LING 222)
WOMS 333 Psychology of Women (cross-listed with PSYC 333)
WOMS 407 Sociology of Sex and Gender (cross-listed with SOCI 407)

## GROUP D

## Anthropology (ANTH)

ANTH 102 Introduction to Biological Anthropology (duplicate credit with ANTH 104)
ANTH 104 Introduction to Archaeology and Biological Anthropology (duplicate credit with ANTH 102, and with ANTH 103 in Group C)
ANTH 202 Human Evolution and the Fossil Record

## Art History (ARTH)

ARTH 205 Science and the Detection of Art Forgeries (cross-listed with MSST 205)
Biology (BISC)
BISC 103 General Biology (Both BISC 103 and BISC 207 cannot be used to fulfill Group D. Duplicate credit if taken after BISC 207)
BISC 113 General Biology Laboratory
BISC 104 Neurobiology of the Brain
BISC 105 Human Heredity and Development
BISC 115 Human Heredity and Development Laboratory
BISC 106 Elementary Human Physiology
BISC 116 Elementary Human Physiology Laboratory
BISC 107 Elementary Evolutionary Ecology
BISC 117 Elementary Evolutionary Ecology Laboratory
BISC 110 Viruses, Genes, and Cancer
BISC 1.52 Biology of Human Sexuality

BISC 171 Microbiology in Modern Sociely
BISC 195 Biological Evolution
BISC 207 Introductory Biology I (Both BISC 103 and BISC. 207
cannot be used to fulfill Group D)
BISC 208 Introductory Biology II

## Chemistry (CHEM)

CHEM 100 Chemistry and the Human Environment
CHEM 101 General Chemistry (duplicate credit with CHEM 103, 105, 111)
CHEM 102 General Chemistry (duplicate credit with CHEM 104, 112)
CHEM 103 General Chemistry (duplicate credit with CHEM 101, 105, 111)
CHEM 104 General Chemistry (duplicate credit with CHEM 102, 112)
CHEM 105 General Chemistry (duplicate credit with CHEM 101, 103, 111)
CHEM 111 General Chemistry (duplicate credit with CHEM 101, 103, 105)
CHEM 112 General Chemistry (duplicate credit with CHEM 102, 104)

## Cognitive Science (CGSC)

CGSC 314 Brain and Behavior (cross-listed with PSYC 314)

## Computer and Information Sciences (CISC)

CISC 101 Computers and Information Systems
CISC 105 General Computer Science
CISC 106 General Computer Science for Engineers

## Enfomology (ENTO)

ENTO 201 Wildlife Conservation and Ecology
ENTO 205 Elements of Entomology
ENTO 305 Entomology Laboratory

## Geography (GEOG)

GEOG 101 Physical Geography: Climatic Processes
GEOG 106 Physical Geography: Land Surface
GEOG 152 Climate and Life
GEOG 220 Meteorology
GEOG 250 Computer Mehods in Geography

## Geology (GEOL)

GEOL 105 General Geology (duplicate credit with GEOL 107)
GEOL 115 General Geology Laboratory (duplicate credit with GEOL 107)
GEOL 106 General Geology
GEOL 116 General Geology Laboratory
GEOL 107 General Geology I (duplicate credit with GEOL 105/115)
GEOL 109 Planets, Asteroids and Impacts
GEOL 110 Evolution and Extinction (duplicate credit with GEOL 144)
GEOL 144 Evolution and Earth History (duplicate credit with GEOL 110)
GEOL 233 The lce Ages and Human Chronology
GEOL 234 Earth Resources and Ecology
GEOL 243 Rocks and Minerals
GEOL 245 Volcanoes and Earthquakes

## Linguistics (LING)

LING 253 Laboratory Phonetics

## Marine Studies (MAST)

MAST 200 The Oceans

## Mathematical Sciences (MATH)

MATH 210 Discrete Mathematics I (duplicate credit with MATH 230)
MATH 221 Calculus I (duplicate credit with MATH 241)
MATH 230 Finite Mathematics with Applications (duplicate credit with MATH 210)
MATH 241 Analytic Geometry and Calculus A (duplicate credit with MATH 221)

## Museum Studies (MSST)

MSST 205 Science and the Detection of Art Forgeries (cross-listed with ARTH 20.5)
Nutrition and Dietetics (NTDT)
NTDT 200 Nutrition Concepts

## Philosophy (PHIL)

PHIL 205 Logic (PHIL 351 alternate Duplicate credit if taken after PHII 351)
PHIL 207 Inductive Logic and Scientific Method
PHIL 211 Basic Decision Theory
PHIL 351 Advanced Logic (alternate to PHIL 205)
Physics (PHYS)
PHYS 104 Elementary Physics
(duplicate credit with PHYS 201, PHYS 207, and SCEN 101)
PHYS 133 Introduction to Astronomy
PHYS 140 Great Concepts of Physics
PHYS 141 Light, Lasers, Cameras, Perception
PHYS 143 Energy, Technology, and Society
PHYS 144 Concepts of the Universe
(duplicate credit if taken after PHYS 133 or 134)
PHYS 145 Quasars, Black Holes, and the Universe

PHYS 146 Quarks, Gluons, and the Big Bang
PHYS 147 Atoms for Everyone
PHYS 199 Exploring Physics Concepts: I
PHYS 201 Introductory Physics I
(duplicate credit with PHYS 104, 207, and SCEN 101)
PHYS 202 Introductory Physics II
(duplicate credit with PHYS 208 and SCEN 102)
PHYS 207 Fundamentals of Physics
(duplicate credit with PHYS 104, 201, and SCEN 101)
PHYS 208 Fundamentals of Physics II
(duplicate credit with PHYS 202 and SCEN 102)
Plant Science (PLSC)
PLSC 101 Botany 1
PLSC 204 Introduction to Soil Science
Psychology (PSYC)
PSYC 314 Brain and Behavior (cross-listed with CGSC 314)
Science (SCEN)
SCEN 101 Physical Science (duplicate credit with PHYS 104, 201, and 207)
SCEN 102 Physical Science (duplicate credit with PHYS 202 and 208)
SCEN 103 Concepts of Science and Technology
Stafistics (STAT)
STAT 201 Introduction to Statistics I (duplicate credit with STAT 205)
STAT 205 Statistical Methods (duplicate credif with STAT 201)

## MAJORS AND MINORS

Every attempt has been made to present an accurate description of the curriculum requirements in the programs that follow. However, programs and policies may be changed during the academic year, and students are advised to check with the department concerned or the Advisement Center and Dean's Office, Room 102, Elliott Hall, 8311281, for the most current information.

## AFRICAN STUDIES

The African Studies Minor has been designed to provide an intellectually coherent program of study based upon regularly offered courses in the fields of African history and culture, as well as anthropology.

Telephone: (302) 831-2189
http://www.udel edu/AreaStudies/africa.html

## REQUIREMENTS FOR THE MINOR IN AFRICAN STUDIES

The minor requires eighteen credit hours drawn from the list of courses below. Twelve credit hours must be from courses that deal with Africa proper. Students must consult with the program coordinator on making their selection of courses. It should be noted that not all courses are offered every semester:
$\mathbf{6}$ credits in Anthropology, selected from the following:
ANTH 260 Socio Cultural History of Africa ..... 3
ANTH 333 Peoples of Africa. ..... 3
ANTH 368 Anthropology of Slavery ..... 3
ANTH 370 Culture of Food Production and Economic Development3
3
ANTH 457/657 Survey of African Art ..... 3
$\mathbf{6}$ credits in History, selected from the following:
HIST 134 History of Africa ..... 3
HIST 330 Peasants and Revolution in Africa .....  3
HIST 394 Africa Since 1960 ..... 3
HIST 395 Pan Africanism .....  3HIST 397 History of South Africa
HIST 439 Women and Revolution in Africa ..... 3
HIST 440 Africa Under Colonial Rule ..... 3
3 credits from Black American Studies, selected from the following:
BAMS/HIST 331 History of the Caribbean I ..... 3
HIST 332 History of the Caribbean II ..... 3
BAMS 367 Africanisms in America ..... 3
3 credits from other areas, which may include:
POSC 433 African Political Systems ..... 3
POSC/BAMS 439 Southern African Politics ..... 3

## ANTHROPOLOGY <br> The Department of Anthropology offers undergraduate major programs in Anthropology, including an Honors Degree option, and in Anthropology Education. In addition, interdepartmental majors with other departments are possible, and an Anthropology minor is also available. <br> Anthropology is the study of humans and their works. The field includes both the comparative study of worldwide variations in culture and the development of humankind from prehistoric to contemporary times. Anthropology at the University of Delaware encompasses three distinct but interconnected fields of study: social and cultural anthropology, physical or biological anthropology, and

 archaeology. Social and cultural anthropologists undertake holistic comparative studies of communities throughout the world, studying their att forms, religions, social organizations, and political and economic institutions. Physical anthropology addresses itself to the evolutionary differentiation of primates, the emergence of hominid populations, primate behavior and processes of adaptation in modern populations. Archaeological work is directed toward recovering the physical remains of prehistoric and historic communities and retracing their many different forms of cultural development and adaptation.The undergraduate program at the University emphasizes a variety of subspecialties in social and cultural anthropology, but provides, nevertheless, a broad perspective on the fields of archaeology and physical anthropology Because the department is devoted primarily to undergraduate instruction, students can take advantage of many opportunities to work closely with the faculty and to participate in small seminar classes. Courses are enriched by visits to museums and special exhibits in neighboring cultural centers, by films, and by local field inquiry.

Telephone: (302) 831-2802
http://www.udel.edu/anthro/

## DEGREE: BACHELOR OF ARTS MAJOR: ANTHROPOLOGY

CURRICULUM ..... CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Social and Cultural Anthropology courses ..... 12
Biological Anthropology courses ..... 6
Archaeological Anthropology courses ..... 6
3
ANTH 486 Tutorial in Social and Cultural Anthropology
ANTH 486 Tutorial in Social and Cultural Anthropology .....  3
ANTH .....  3
Anthropology course ..... 3A minimum of six credits of ANTH must be taken at the 200-level and aminimum of twelve credits of ANTH must be taken at the 300-level
ELECTIVES
After required courses are completed sufficient elective credits must betaken to meet the minimum credit requirement for the degreeCREDITS TO TOTAL A MINIMUM OF124
DEGREE: BACHELOR OF ARTS
MAJOR: ANTHROPOLOGY EDUCATION
CURRICULUM ..... CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
Social and Cultural Anthropology courses ..... 12
Biological Anthropology courses ..... 6
Archaeological Anthropology courses ..... 3

| $\begin{aligned} & \text { ANTH } 487 \\ & \text { or } \end{aligned}$ | Tutorial in Archaeology |
| :---: | :---: |
| ANTH 488 | Tutorial in Physical Anthropology |
| Anthropology | course |
| A minimum of six credits of ANTH must be taken at the 200 -level and a minimum of twelve credits of ANTH must be taken at the 300 -level |  |
| Economics course ......... .. .............. ..... ....... ......... ..... . .i. ................. |  |
| Geography course |  |
| History course |  |
| Political Science course |  |
| Sociology course |  |
| PSYC 201 | General Psychol |
| Six additional credits selected from the departments listed above |  |
| EDUC 201 | Diversity in the Classroom |
| EDUC 304 | Educational Psychology - Social Aspects |
| EDUC 305 | Educational Psychology - Cognitive Aspects |
| HIST 491 | Planning a Course of Instruction. |
| HIST 493 | Seminar: Problems in Teaching History and Social Sciences, |
| EDUC 420 | Reading in the Content Areas |
| EDUC 400 | Student Teaching |
| To be eligible a g.pa of 3 should consul 176) to obtai cerning stude | to student teach, Anthropology Education majors must have 0 in their major and an overall g.p.a of 275 . Students the teacher education program coordinator (see list on $p$ the student teaching application and other information conth teaching policies |

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS:

## ANTHROPOLOGY OR ANTHROPOLOGY EDUCATION

Honors Degree candidates must complete a minimum of 33 credit hours of approved courses to include 18 Honors credits ( 6 credits of Honors Thesis). All Honors Degree candidates must complete satisfactorily the following:

Biological Anthropology courses

ANTH 48 ' Tutorial in Social and Cultural Anthropology ................................. 3
ANTH 487 Tutorial in Archaeology ................................................................. 3
or
ANTH 488 Tutorial in Physical Anthropology
Anthropology course.................................................................................. 3
A minimum of 6 credits of ANTH must be taken at the 200level and a minimum of 12 credits of ANTH must be taken at the 300-level.

The Department will strongly encourage Honors students to take special problem courses beyond the 33 hours required in Anthropology. For University requirements for the Honors bachelor's degree, see the University Honors Program in this catalog

## INTERDEPARTMENTAL MAJORS

An interdepatmental major, for students having interests in two $^{\text {m }}$ areas, requires 21 credits each in anthropology and in one other department. The following areas are required by the Anthropology Department:

- 3 Credits in biological anthropology
- 3 Credits in archaeology
- 9 Credits in social and cultural anthropology
- 12 Credits at the 300 -level or above
- 3 Credits of any 48X Tutorial

A 48X Tutorial satisfies a 300+ requirement as well as any three credits in a subdiscipline (e.g. ANTH 486 would also satisfy three of the nine credit hours required in social and cultural anthropology).

Students should consult with their advisors for additional information on interdepartmental majors.

## REQUIREMENTS FOR THE MINOR IN ANTHROPOLOGY

Students wishing to minor in anthropology must complete 18 credits in anthropology courses distributed as follows: 6 credits in 200 -level courses and 12 credits in 300 - and 400 -level courses.

## ART

The Department of Art is a studio-oriented department offering a wide range of visual arts activities and subject areas. The department offers undergraduate majors in Art (Bachelor of Arts), Fine Arts (Bachelor of Fine Arts), and Visual Communications (Bachelor of Fine Arts), as well as a minor in art. The B.A. degree requires 36 credit hours minimum of art courses and 45 credit hours maximum. The B.FA degree requires 69 credit hours minimum of art courses and 80 credit hours maximum. All grades in art courses must be C - or better Admission to the BFA is contingent upon submission of a pottfolio of slides and/or original work after completion of the freshman year, a minimum of 12 credits of foundation courses and a 2.66 GPA in studio art courses. A limited number of students are admitted to the B.FA. degree programs.

Foundation studio art courses are taken in the freshman year The Foundation Colloquium is taken both semesters of the freshman year. Art concentration, art studies, and art electives are taken in the sophomore through senior years. Art 315 is taken after completion of 62 credits and may be applied toward both the art major requirement and a breadth requirement, but credits are counted only once toward the total credits for graduation. Art 416 and Art 417 are only required of BFA majors and are taken in the senior year. Art History courses may be applied toward both the art major requirement and a breadth requirement, but credits are counted only once toward the total credits for graduation.

The art or fine arts major may specialize in ceramics, illustration, painting, photography, printmaking, or sculpture. The visual communications major may specialize in advertising design, applied photography, or graphic design. The courses of study are designed to prepare the student for professional practice in the student's chosen area of specialization.

The department enjoys an excellent reputation and has a Macin-tosh-based computer site within the department, including imaging and layout software, scanners, and color printers. The proximity of the University to major cultural centers of the northeastern United States provides students with easy access to important museums and galleries and allows for an outstanding program of visiting artists.

Telephone: (302) 831-2244
http://Seurat.art.udel.edu/ArtDeptHP.html

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ART

CURRICULUM
CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

ART 110 Foundation Drawing I ................................................. 3
ART 111 Foundation 2D Design
ART 112 Foundation Drawing II ............................................................. 3
ART 113 Foundation 3D Design ...................................................... 3
ART 114 Foundation Colloquium (fall semester)
ART 115 Foundation Colloquium (spring semester)
ART 114/115 Required fall and spring of freshman year
Art Discipline.12

Twelve credits beyond those that might have been taken as part of foundation requirements. At least three credits must be at the 400 level. (ceramics, illustration, painting, photography, printmaking, sculpture)
Art Electives ..... ........................................................................................................... 9
Courses from other department disciplines outside of chosen art discipline ART 315 Issues in Contemporary Art ............................................ 3

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF FINE ARTS <br> MAJOR: FINE ARTS

## CURRICULUM

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-1................. 3
Three credits in an approved course or courses stressing .............................. 3
multicultural, ethnic, and/or gender-related content (see p 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C -3

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet.
(See list of courses approved for second writing requirement, page 81)
Mathematics (one of the following)

## MATH 113 Contemporary Mathematics

(designed for students who do not intend to continue the study of mathematics)
MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics) MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics) MATH 221 Calculus I
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam. (0 credits awarded)
Breadth Requirements (See page 83)
Group A
Understanding and appreciation of the creative arts and humanities. Nine credits representing at least two areas.
Group B9

The study of culture and institutions over time. Nine credits representing at least two areas

Group C9

Empirically based study of human beings and their environment. Nine
credits representing at least two areas

Group D7

The study of natural phenomena through experiment and analysis. A minimum of seven credits representing at least two areas including a minimum of one course with an associated laboratory.

## MAJOR REQUIREMENTS

NOTE: 69 credit hours minimum Art Department courses; 80 credit hours maximum Art Department courses; all grades in art must be C - or better

ART 110 Foundation Drawing ..... 3
ART 112 Foundation Drawing II ..... 3
ART 113 Foundation 3D Design ..... 3
ART 114 Foundation Colloquium (fall semester) ..... 0
ART 115 Foundation Colloquium (spring semester) ..... 0
Art Discipline ..... 21
Taken from a specified sequence of courses for each discipline in thedepartment (ceramics, illustration, painting, photography, printmak-ing, sculpture) At least nine credits must be at the 400 -level.
Art Studies ..... 21
Taken from a list of specified courses established for each discipline
Taken from a list of specified courses established for each discipline Art Electives ..... 9
ART 315 Issues in Contemporary Art ..... 3
ART 416 Professional Practices ..... 3
ART 417 BFA Exhibition ..... 9

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF124

## DEGREE: BACHELOR OF FINE ARTS

## MAJOR: VISUAL COMMUNICATIONS

CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-) .................. 3
Three credits in an approved course or courses stressing ............................... 3
mulficultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C -)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submit ted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81.)
Mathematics (one of the following)
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics)
MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus I
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam. ( 0 credits awarded)

## Breadth Requirements (See page 83)

## Group A

9Understanding and appreciation of the creative arts and humanities
Nine credits representing at least two areas
Group B
The study of culture and institutions over time Nine credits representing at least two areas.
Group C............................................................................ 9
Empirically based study of human beings and their environment. Nine credits representing at least two areas.
Group D
The study of natural phenomena through experiment and analysis. A minimum of seven credits representing at least two areas including a minimum of one course with an associated laboratory

## MAJOR REQUIREMENTS

NOTE: 69 credit hours minimum Art Department courses; 80 credit hours maximum Art Department courses; all grades in art must be C - or better

ART 110 Foundation Drawing I

.. 3


ART 113 Foundation 3D Design ... ................................................ 3
ART 114 Foundation Colloquium (fall semester) ................................ 0
ART 115 Foundation Colloquium (spring semester) ….............................. 0

Takt from a specified sequence of courses for each discipline in the department (advertising design, applied photography, graphic
design). At least nine credits must be at the 400 -level.

## Art Studies

21
Taken from a list of specified courses established for each discipline.

ART 315 Issues in Contemporary Art ........................................ 3


Art History courses ........................................................................... 9

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credił requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN ART

Students must obtain written permission from the chair before declaring the minor Admitted students will be assigned an advisor,
generally in the discipline of study. Eighteen credits are required, distributed as follows:
a) Three studio art courses at the 100-200
level from one or two disciplines.
9 credits
b) Two studio art courses at the 300-400
level from one or two disciplines.
6 credits
c) One related nonstudio art, art history
or art criticism course. $\qquad$ 3 credits

## ART CONSERVATION

The Art Conservation Department offers an undergraduate major leading to the Bachelor of Arts, with two separate concentrations. Both concentrations focus on interdisciplinary study in chemistry, studio arts, and art history or anthropology with a focus on art conservation. Students must choose either the concentration in Pre-Graduate Studies for Art Conservation, which prepares students for graduatelevel study in a formal academic conservation program, or the concentration in Collections Care, which prepares students for a more general art-related career, focussing on collections management and care. An Honors Degree option is available in both concentrations

Working closely with an advisor, the students elect a concentration as well as coordinated courses in the Departments of Anthropology, Art, Art History, Chemistry and Biochemistry, and others. During their junior or senior years, majors are required to participate in one or two on-site internships in local conservation laboratories. Specialized courses in the historic development of art materials and techniques and the general philosophy and practice of art conservation and preservation are also required. Students in this program must earn a minimum of a C - in all required courses.

Conservation encompasses interdisciplinary approaches to the study and care of art and other cultural property. Conservators are professionals who have the specialized knowledge and skills in the arts, sciences, and other fields that enable them to undertake scientific studies on objects, stabilizing the structure and reintegrating the appearance of deteriorated cultural artifacts, and establishing the environment in which artifacts are best preserved. Often, conservators specialize in some particular material or group of objects such as paintings, art on paper, textiles, library and archival artifacts, photographs, archeological or ethnographic materials, sculpture, furniture, or decorative objects. Conservation demands a broad knowledge of many subjects in the sciences and humanities, the astuteness to make sound judgements, the development of excellent manual skills, and the temperament and ability to carry out precise work.

Telephone: (302) 831-3489
http://Seurat art udel.edu/ArtConHP.html

## DEGREE: BACHELOR OF ARTS MAJOR: ART CONSERVATION CONCENTRATION: COLLECTIONS CARE

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS ( 56 credits)
ARTC 301 Care and Preservation of Cultural Property I. ............................ 3
ARTC 302 Care and Preservation of Cultural Property II ................................... 3

(Junior and/or Senior status only)

Studio in the Materials and Techniques of Painting I 3

ARTC 489 Studio in the Materials and Techniques of Painting II
ARTC 480 Studio in the Materials and Techniques of Drawing in the West .. . 3 or
ARTC 490 Studio in the Materials and Techniques of Printmaking I

MSST 403 History, Philosophy, Functions and Future of Museums ... ............. 3
MSST 466 Independent Study: Museum Studies Internship ....................... 3
ART 110 Foundation Drawing ................................ ..................... 3
or
ART 130
ART 138
ART 280
ART 250
or
ART 260
or
ART 290
ART 370
Drawing I: Tools and Techniques
Elementary Drawing and Painting |
Beginning Photography .................................................... 3
Beginning Sculpture ..... ................. ............... . .......................... 3
Beginning Metals
Beginning Ceramics

Two courses from the following:
ANTH 103 Introduction to Prehistoric Archaeology
ARTH 1.53 Introduction to Art History I
ARTH 1.54 Introduction to Art History II
ARTH 155 Asian Art
ARTH 161 Art in the East and West
ARTH 162 History of Archifecture
CHEM 101 General Chemistry ........................................................................ 4
CHEM 102 General Chemistry.
Three courses, with at least two courses at or above the 300-level, ................ 9 from the following:
ANTH 216 Introduction to Material Culture Studies
ANTH 222 Technology and Culture
ANTH 229 Indians of North America
ANTH 251 Introduction to Ethnic Arts
ANTH 324 Old World Archaeology
ANTH 338 Arts \& Crafts: Native South America
ANTH 340 Historical Archaeology
ANTH 379 Historical Archaeology of the Eastern United States
ANTH 410 Archaeological Analysis of Material Culture
ANTH 451 Myth and Culfure
ANTH 457 Survey of African Art
ARTC 444 Technology of Cultural Materials: Ceramics and Glass
ARTC 445 Technology of Cultural Materials: Metals
ARTH 207 Origins of Art
ARTH 208 Greek and Roman Art
ARTH 209 Early Medieval Art 200.1100 AD
ARTH 210 Later Medieval Art 1000-1400 AD
ARTH 213 Art of the Northern Renaissance
ARTH 217 Early Renaissance Art
ARTH 218 High Renaissance and Mannerist Art
ARTH 220 Italian Renaissance Architecture
ARTH 222 Baroque Art
ARTH 223 Baroque and Rococo Architecture and Urbanism
ARTH 225 Eighteenth Century Art
ARTH 227 Modern Art I
ARTH 228 Modern Art II
ARTH 230 American Art: 1607-1865
ARTH 231 American Art: 1865-present
ARTH 233 Art of China
ARTH 234 Art of Japan
ARTH 235 Art of India
ARTH 236 The Arts of Islam
ARTH 301 Research and Methodology in Art History
ARTH 302 Prints and Society
ARTH 304 Northern Baroque Art
ARTH 305 Italian Baroque: Metaphor and Marvel
ARTH 308 Modern Architecture I: 1750-1900
ARTH 309 Modern Architecture Il: The Twentieth Century
ARTH 310 The Role of the Artist in Society
ARTH 318 History of Photography
ARTH 339 Art \& Architecture of Europe
BAMS 320 History of Afro-American Art
CNST 214 Costume History Before 1700
CNST 224 Clothing Design and Production Since 1700

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ART CONSERVATION CONCENTRATION: PREGRADUATE STUDY

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS ( 64 or 67 credits)
ARTC 301 Care and Preservation of Cultural Property I.... .... .................... 3
ARTC 302 Care and Preservation of Cultural Property II ............................. 3
ARTC 464 Conservation Internship (two semesters) … ....... .................... 6
ARTC 485 Color Mixing and Matching ..................... .......................... . . 3
ARTC 488 Studio in the Materials and Techniques of Painting I............. 3
or 489 Studio in the Materials and Techniques of Painting II
ARTC 480 Studio in the Materials and Techniques of Drawing in the West....
or
ARTC 490
ART 110
Foundation Drawing I
ART 130 Drawing I: Tools and Techniques
or
ART 138 Elementary Drawing and Painting I
ART 280 Beginning Photography ..................................................... 3
ART 250 Beginning Sculpture ......................... .... ... ................................ 3
ORT 260 Beginning Metals
ART 290 Beginning Ceramics
ART 370 Fiber Survey: Structure and Surface
Two courses from the following .... ............................................................. 6
ANTH 103 Introduction to Prehistoric Archaeology
ARTH 153 Introduction to Art History I
ARTH 154 Introduction to Art History II
ARTH 155 Asian Art
ARTH 161 Art in the East and West
ARTH 162 History of Architecture
One of the following ( $A$ or $B$ ) chemistry sequences .................................... 16-19
Option A (16 credits)
CHEM 103 General Chemistry
CHEM 104 General Chemistry
CHEM 321 Organic Chemistry
CHEM 322 Organic Chemistry
Option B (for Chemistry majors or minors) ( 19 credits)
CHEM 111 General Chemistry
CHEM 119 Quantitative Chemistry 1
CHEM 112 General Chemistry
CHEM 120 Quantitative Chemistry II
CHEM 321 Organic Chemistry
CHEM 322 Organic Chemistry
Four courses, with at least three courses at or above the 300 tevel, . ............ 12 from the following:
ANTH 216 Introduction to Material Culture Studies
ANTH 222 Technology and Culture
ANTH 229 Indians of North America
ANTH 251 Introduction to Ethnic Arts
ANTH 324 Old World Archaeology
ANTH 338 Arts \& Crafts: Native South America
ANTH 340 Historical Archaeology
ANTH 379 Historical Archaeology of the Eastern United States
ANTH 410 Archaeological Analysis of Material Culture
ANTH 451 Myth and Culture
ANTH 457 Survey of African Art
ARTC 444 Technology of Cultural Materials: Ceramics and Glass
ARTC 445 Technology of Cultural Materials: Metals
ARTH 207 Origins of Art
ARTH 208 Greek and Roman Art
ARTH 209 Early Medieval Art 200-1 100 AD
ARTH 210 Later Medieval Art 1000-1400 AD
ARTH 213 Art of the Northern Renaissance
ARTH 217 Early Renaissance Art
ARTH 218 High Renaissance and Mannerist Art
ARTH 220 Italian Renaissance Architecture
ARTH 222 Baroque Art

ARTH 223 Baroque and Rococo Architecture and Urbanism
ARTH 225 Eighteenth Century Art
ARTH 227 Modern Art I
ARTH 228 Modern Art II
ARTH 230 American Art: 1607-1865
ARTH 231 American Art: 1865-present
ARTH 233 Art of China
ARTH 234 Art of Japan
ARTH 235 Art of India
ARTH 236 The Arts of Islam
ARTH 301 Research and Methodology in Art History
ARTH 302 Prints and Society
ARTH 304 Northern Baroque Art
ARTH 308 Modern Architecture I: 1750-1900
ARTH 309 Modern Architecture Il: The Twentieth Century
ARTH 310 The Role of the Artist in Society
ARTH 318 History of Photography
ARTH 339 Art \& Architecture of Europe
BAMS 320 History of Afro-American Art
MSST 403 History, Philosophy, Functions and Future of Museums
CNST 214 Costume History Before 1700
CNST 224 Clothing Design and Production Since 1700

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: ART CONSERVATION (Both Concentrations)

Students wishing to receive an Honors B.A. in Art Conservation must complete:

1. All requirements for the Bachelor of Arts degree in Art Conservation.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog).
The Honors credits required in Art Conservation include ARTC 301 and ARTC 302 and courses in such collateral disciplines as Anthropology, Art History, and Chemistry.

The Art Conservation Department will offer ARTC 301 and ARTC 302 for Honors credit in conjunction with the regular section. Students enrolled for Honors credit will be responsible for additional assignments and activities, including in-depth investigation of art and artifact technology and deterioration using visual and microscopic analysis, individual meetings with the instructor and local conservation professionals focussed on current issues relating to the care and preservation of cultural property, and on-site assessment of the condition and collection care practices of local cultural institutions.

Students seeking an Honors degree will normally be expected to take ARTH 153/154 for Honors credit. Those in the Pregraduate Study Concentration will normally be expected to take CHEM 103/104 or (at least some of) CHEM 111/112 and CHEM 119/120 for Honors credit. The Honors Thesis (UNIV 401/402) will involve 6 credits of advanced-level research in Art Conservation studies.

## ART HISTORY

The Department of Art History offers both an undergraduate major and a minor in art history. Because art history is an interdisciplinary field that touches on many aspects of civilization, the course of study includes work in such related disciplines as anthropology, studio art, English, history, languages and literatures, music, philosophy, and theater. Although art history majors may concentrate in a particular area, the program is designed to provide students with a broad liberal arts education that is necessary preparation for a variety of careers.

Art history is concerned with the historical development of ideas and institutions as expressed in the visual arts throughout the ages. The Department offers courses in nearly every area of art histo-
ry, with special expertise in European and American painting, photography, sculpture, and architecture from antiquity to the present. The faculty of the Department collaborate with the Winterthur Programs in Early American Culture and Art Conservation, as well as with those in Museum Studies and Historic Preservations. Visits to museums from New York to Washington are scheduled in connection with many art history courses. The University Gallery houses a collection of original works of art and offers internship, research, and exhibition opportunities for students. Advanced students may draw upon the departmental slide and photograph collections.

Undergraduate students may participate in an interdepartmental major in art, art history, and chemistry that will prepare them for graduate study or apprenticeship in art conservation, or they may enroll in the art conservation major, an interdisciplinary program. Students interested in museum work should consider taking museum studies courses offered at the University

Telephone: (302) 831-8415
http://Seurat.art.udel.edu/ArtHistHPhtml

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ART HISTORY



## CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR THE MINOR IN ART HISTORY

The minor in art history requires 18 credits of course work, including at least four courses above the 100 -level. Students must distribute their courses among at least three different key areas of art history: Ancient, Medieval, Renaissance, Baroque, Modern, American, and non-western art.

Several courses in art history may be applied toward fulfilling Group A and B requirements in the College of Arts and Science

## ASIAN STUDIES

(See East Asian Studies)

## ASTRONOMY

(See Physics and Astronomy)

## BIOLOGICAL SCIENCES

The Department of Biological Sciences offers both a major and a minor in Biological Sciences, as well as a major in biological sciences education, an Honors degree, and Honors courses. An interdepartmental major between biology and psychology with an emphasis on neuroscience is also available. The Department of Biological Sciences also offers a B.S. degree with a concentration in biotechnology and participates in an interdepartmental B.S. degree program in Environmental Sciences.

The undergraduate programs in biology are designed to meet intellectual needs as well as to prepare students for subsequent professional or vocational training. Preprofessional students (medicine, physical therapy, dentistry, osteopathy, etc ) generally enroll as majors in the biological sciences. Special advisement for these students is available through the Health Sciences Advisement and Evaluation Committee, Room 118 Wolf Hall, telephone (302) 831-2282

Students interested in marine biology are encouraged to take advantage of course and research opportunities in the Department of Biological Sciences and the University's College of Marine Studies.

Courses at the 100 -level are designed to serve students who do not choose to major in biology or other sciences. Most of these courses may be used to satisfy the Group D requirements of the College of Arts and Science, but may not be counted toward the credits required for graduation for students majoring or minoring in biological sciences. Students not majoring in biological sciences who have some academic maturity in the sciences or engineering and an interest in biology are advised to elect BISC 207 or 208, perhaps followed by other core courses or other biology courses appropriate to their professional interests.

Telephone: (302) 831-2282
http://www udel edu/bio/

## biological sciences degree programs

During the freshman year, biological science majors for the B.A., B.S., and Biological Sciences Education degrees ordinarily take courses in biology, chemistry, English, foreign language, and mathematics through calculus. Students should consult their faculty advisors to select wisely from the variety of advanced courses and electives available to sophomores, juniors and seniors.

Many opportunities exist for research experience with a faculty member. In addition, an opportunity for teaching experience exists. Up to 4 credits of research or independent study (BISC 266, 366, 466 , or 666) may be counted toward the 33 credits required for the majors in Biological Sciences or Biological Sciences Education. Some biology-related courses in other departments may be counted toward the major (limit 6 credits).

A grade of C - or better must be obtained in all biology courses that are used to satisfy the requirements for the Biological Sciences B A., B.S., and Biological Sciences Education degrees A grade of D (not D-) or better must be obtained in chemistry, physics, and mathematics courses required for the Biological Sciences majors and minor Biology courses at the 100 -level may not be counted toward these degrees.

## BIOTECHNOLOGY

The Bachelor of Science degree in Biological Sciences with a concentration in Biotechnology is a four-year program that emphasizes laboratory courses/experiences in various aspects of molecular, cellular, and physical biosciences. It is intended for students who hope to be employed in a laboratory setting after graduation and for those who will be continuing their education at the graduate level in a related discipline.

During the first two years at the University, students interested in biotechnology generally take the same courses as those pursuing a B A. degree in biological sciences. At any time during these two years, students can declare interest in biotechnology; however, they are not admitted into the program until the fall semester of the third year. Students apply for admission in the spring of the sophomore year. Admission is limited to 10 students per class. A minimum grade-point index of 2.5 is required for application

Eligibility for admission to the junior year of the Biotechnology program will be based on the following criteria:

1. Minimal cumulative index; first three semesters - 2.5
2. Minimal index in the sciences; first three semesters - 2.5
3. A grade of C or better in BISC 207, BISC 208, BISC 301 and BISC 371 (or other bio course if BISC 371 is not taken).
4 Within the pool of eligible applicants, admission into the program will be determined by academic achievement, and priority will be given to full-time University sophomores with a stated interest in obtaining employment in biotechnology or in pursuing a graduate degree in a related discipline.
The following courses are recommended Some courses are not available each year, so advisement and careful planning are strongly suggested.

## NEUROSCIENCE

An interdepartmental major between Biological Sciences and Psychology is designed for students with an interest in the interdisciplinary field of neuroscience. The major prepares students for graduate programs in neuroscience, neuropsychology, physiology, and pharmacology, and for positions in pharmaceutical and biotechnology companies. It also provides preparation for professional programs in medicine, physical therapy, and related areas

In this interdepartmental major students first learn the fundamentals of biology and psychology and then concentrate on courses that examine the structure and function of the nervous system and its relationship to behavior Detailed instructions regarding an interdepartmental major are available from the Departments or the Arts and Science Advisement Center

## COOPERATIVE EDUCATION PROGRAM

Through the cooperation of area businesses, industry, and government agencies, students may integrate their academic study with practical work experience. Co-op positions are available during any semester, including winter and summer sessions, for academic credit. Students register for BISC 444 (1-9 credit hours). Credits earned in this pass/fail course count toward graduation but not toward the 33 credit hours needed for the major in biological sciences. Placements vary from part to full time and may be salaried or on a volunteer basis.

Information about this program may be obtained from the Career Services Center or the Biology Advisement Office, 118 Wolf Hall, telephone (302) 831-2282.

## DEGREE: BACHELOR OF ARTS <br> MAJOR: BIOLOGICAL SCIENCES

CURRICULUM
CREDITS

## See page 78 for University and College requirements.

 MAJOR REQUIREMENTSMinimum grade C - required in all BISC courses for a total of at least 33 credits in biology.
BISC 207/208 Introductory Biology I and II ............................................. 8
BISC 303 Genetic and Evolutionary Biology .......................................... 4
At least two of the following courses: ............... .......... .............................. 7-8 BISC 301 Molecular Biology of the Cell
BISC 302 General Ecology
BISC 306 General Physiology

Biology electives at the 300 -level or above, including ............................13-14
one 600 -level course other than Independent Study
CHEM 103/104 General Chemistry ................................... ................... 8
CHEM 321 Organic Chemistry ...................................................... 4
CHEM 322 Organic Chemistry …… ........ .......................................... 4
or
CHEM 213 Elementary Organic Chemistry ............................................ 4
CHEM 214 Elementary Biochemistry ...
CHEM 216 Elementary Biochemistry Laboratory
PHYS 201/202 Introductory Physics I and II............................................. 8
MATH 221 Calculus I.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS

## MAJOR: BIOLOGICAL SCIENCES EDUCATION

Students planning to major in biology with the purpose of teaching science in secondary schools must identify themselves and plan their programs with the faculty advisor for secondary education as early in their academic careers as possible. The following course of study is designed to prepare students for teacher certification
CURRICUIUM
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Minimum grade C - required in all BISC courses for a
total of at least 33 credits in biology
BISC 207/208 Introductory Biology I and II................................... 8
BISC 301 Molecular Biology of the Cell ........................................................ 4
BISC 303 Genetic and Evolutionary Biology …… .............................. 4
BISC 302 General Ecology ....................................................... 3-4
Or 306 General Physiology
Biology electives at the 300 -level or above, including ...................... 13-14
one 600 -level course other than Independent Study.
HEM 103/104 General Chemistry ........................................
CHEM 213 Elementary Organic Chemistry $\ldots \ldots . . . . . . . . . . . . . . . . . . . . . . . . . . . . .$.
Or O HEM 321 Organic Chemistry .......................................... 4
CHEM 214 Elementary Biochemistry .................................................. 3
and 16 Elementary Biochemistry Laboratory ............... ..................... 1
PHYS 201/202 Introductory Physics I and II.......................................... 8

GEOL 105/115 General Geology and Laboratory ....................................... 4
Geology Elective ........................................................................... 3-4
EDUC 201 Diversity in the Classroom... ................................................. 3
EDUC 304 Educational Psychology - Social Aspects ............................... 3
EDUC 305 Educational Psychology - Cognitive Aspects ............................... 3
EDUC 420 Reading in the Content Areas ............................................................
SCEN 491 Teaching Science in Secondary Schools ................................... 4
EDUC 400 Student Teaching ............. ....... ........................................... 9
To be eligible to student teach, Biological Sciences Education students must have a g p a of 2.75 in their biology major and an overall g p a of 2.5 Students must consult the teacher education program coordinator (see list on $p$ 176) to obtain the student teaching application and other information concerning student teaching policies.

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF SCIENCE

MAJOR: BIOLOGICAL SCIENCES CONCENTRATION: BIOTECHNOLOGY

ENGL 110 Critical Reading and Writing (minimum grade C-) .................. 3
Three credits in an approved course or courses stressing ................................ 3 multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81.)

## Foreign Language:

Completion of the intermediate-level course (107 or 112 or 214) in a given language. The number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups $A, B$ and $C$ is
required with a minimum of six credits in each group. The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities
Group B: The study of culture and institutions over time
Group C: Empirically based study of human beings and their environment.

## MAJOR REQUIREMENTS

Minimum grade C - in BISC courses for the major
BISC 207/208 Introductory Biology I and II... ..... .................................... 8
BISC 301 Molecular Biology of the Cell .................................................... 4
BISC 303 Genetic and Evolutionary Biology .......................................... 4

BISC 371 Introduction to Microbiology …...................................... 4
BISC 604 Recombinant DNA Laboratory ....................................................... 4
BISC 653 Recent Advances in Molecular Biology ..................................... 2
Two courses selected from the following: ................................................... 5-7
BISC 499/699 Computers in Biological Research
BISC 602 Molecular Biology of Animal Cells
BISC 608 Genetic Toxicology
BISC 617 Laboratory Techniques for Electron Microscopy
BISC 650 Bacterial Physiology
BISC 654 Biochemical Genetics
BISC 658 Developmental Genetics
BISC 673 Topics in Immunogenetics
BISC 679 Virology
BISC 693 Human Genetics
Two of the following three groups: (ie, I and II, II and III, or land III) ............ 46
1 ( 6 credits)
BISC 492 Human and Mammalian Cytogenetics
BISC 493 Mammalian Cytogenetics Laboratory
Il ( 6 credits)
BISC 471/671 Immunobiology
BISC 601 Immunochemistry
III (4 credits)
BISC 619 Macromolecules Laboratory
CHEM 103/104 General Chemistry … .................... ............................ 8
CHEM 321/322 Organic Chemistry 8
CHEM 527 Introductory Biochemistry .................................. . ...................6
or
CHEM 641/642 Biochemistry
PHYS 201/202 Introductory Physics I and II ............ ........ ........ ........ 8
MATH 221 Calculus I .......................................................................

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree. BISC 444 is encouraged but not required, and does not count as credit in the major.

CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN BIOLOGY

The required courses are BISC 207, 208; two courses from BISC 301,302 (or 321 ), $303,371,306$ (or 276), plus additional biology courses at the 300 -level or above to total 19 credits in biology; CHEM 103, 104 (or 101, 102), and 213 (or 321 ); plus the necessary prerequisites for any of these courses. Nursing majors may satisfy the
chemistry requirement by taking CHEM 104, 105 and 106. Nursing, Medical Technology, Nutrition, and Dietetics majors may substitute BISC 276 for BISC 306. A grade of C- or better is required in all biology courses taken for the minor, and a D (not a D -) is required in the non-biology courses for the minor:

## BLACK AMERICAN STUDIES

Black American Studies focuses on the study of Black Americans and their ancestry. Although a major in Black American Studies is not available, special arrangements within the Bachelor of Arts in Liberal Studies degree program are possible An undergraduate minor in Black American Studies is available for those students wishing to pursue related careers in this area.

The program is designed to present a comprehensive study of the origins, conditions, and experiences of Black Americans using the perspectives and techniques of various disciplines in the humanities and social sciences. As a study of human beings, Black American Studies deals with human issues, seeking to relate specific problems to the major value systems in this country and the world. Integrated with other disciplines in all appropriate phases of education, Black American Studies has meaning for present life and is useful for future learning or coping situations. The program serves as a catalyst for multi-ethnic and cultural understanding.

Black American Studies is an interdisciplinary program with its basic content in the social sciences and humanities. The program involves regular course offerings that deal with historic, cultural, and social phenomena of people of African descent. Students from diverse disciplines utilize Black American Studies courses to fulfill general requirements as well as to supplement their majors. The interdisciplinary and multidisciplinary nature of the program allows flexibility for students seeking the relationships between their respective majors and Black American Studies. For information, contact Professor Carole Marks, 417 Ewing Hall (302) 831-2897.

## REQUIREMENTS FOR A MINOR IN BLACK AMERICAN STUDIES

$S$
applying for the minor in Black American Studies must have completed at least one semester of full-time study at the University with a grade-point average of at least 2.1. The minor requires 18 credits, including BAMS $110,304,306$, and one BAMS elective at or above the 300 -level with the approval of an advisor, plus 2 more BAMS courses.

Alternative arrangements for a minor in Black American Studies are available but must be approved in advance by a program advisor and the director: Students may arrange alternative course selections, provided that at least 15 of the 18 credits toward the minor carry BAMS designations, that no more than 6 credits of the 18 differ from the basic program, and that at least 9 credits of the program are at or above the 300 -level.

Advanced students who have shown the potential for doing research in a particular area may participate in independent study and special projects on an individual or group basis. Suggested prerequisites for advanced classes in Black American Studies include BAMS 110,205 and 206

## CHEMISTRY AND BIOCHEMISTRY

The Department of Chemistry and Biochemistry provides five undergraduate degree options: B A in Chemistry, B A in Chemistry Education, B S. in Chemistry, B.S in Chemistry with concentration in Environmental Studies, and a B.S in Biochemistry Honors Degree options are available in the B. A in Chemistry Education, the B.S. in Chemistry, and the B.S in Biochemistry A minor in Chemistry is also available.

Telephone: (302) 831-1247
http://www.udel.edu/chem/chem.html
DEGREE: BACHELOR OF ARTS
MAJOR: CHEMISTRY
CURRICULUMCREDITSSee page 78 for University and College requirements.
MAJOR REQUIREMENTSA minimum grade $C$ - is required in each $C H E M$ course required for theB A degree in Chemistry
CHEM 103/104 General Chemistry. ..... 8
CHEM 220/221 Quantitative Analysis and Laboratory ..... 4or
CHEM 111/112 General Chemistry ..... 6
CHEM 119/120 Quantitative Chemistry I and II ..... 5
CHEM 321/322 Organic Chemistry ..... 8
CHEM 331/332/333/334 Organic Chemistry and Laboratory I and II ..... 10
CHEM 437/438 Instrumental Methods and Laboratory ..... 4
CHEM 418/419/445 Introductory Physical Chemistry and Laboratory ..... 7
CHEM 443/444/445 Physical Chemistry and Laboraiory ..... 7
One of the following eight courses: .....  3
CHEM 457 Inorganic ChemistryCHEM 527 Introductory Biochemistry
CHEM 610 History of Chemistry
Analytical SpectroscopyCHEM 622 Electroanalytical Chemistry
CHEM 623 Chemometrics
CHEM 633 Advanced Organic Chemistry: PhysicalCHEM 634 Advanced Organic Chemistry: Synthesis and ReactivilyMATH 221 Calculus I3-4
or MATH 241 Analytic Geometry and Calculus A (strongly preferred)
PHYS 201/202 Introductory Physics I and II. ..... 8
or
PHYS 207/208 Fundamentals of Physics I and II
ELECTIVES
After required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS MAJOR: CHEMISTRY EDUCATION
CURRICULUM ..... CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
CHEM courses to total 30 credits minimum
CHEM 111/112 General Chemistry ..... 6
CHEM 119/120 Quantitative Chemistry I and it ..... 5
or
CHEM 103/104 General Chemistry ..... 8
CHEM 220/221 Quantitative Analysis and Laboratory
$4-8$
One of the following:
CHEM 213 Elementary Organic Chemistry
CHEM 321/322 Organic Chemistry
CHEM 331/332/333 Organic Chemistry and Laboratory
CHEM 437/438 Instrumental Methods and Laboratory ..... 4
CHEM 418/445 Introductory Physical Chemistry and Laboratory ..... 4
or
CHEM 443/445 Physical Chemistry and Laboratory . ..... 4
CHEM 214/216 Elementary Biochemistry and Laboratory .....  .4
Chemistry courses selected with consent of advisor ..... 0-3
BISC 207 Introductory Biology 1 ..... 4
GEOL 105/115 General Geology and Laboratory
$6-8$
MATH 221/222 Calculus I and IIMATH 241/242 Analytic Geometry and Calculus A and BPHYS 201/202 Introductory Physics I and II.8
PHYS 207/208 Fundamentals of Physics | and ||
EDUC 201 Diversity in the Classroom. ..... 3
EDUC 304 Educational Psychology - Social Aspects3
3
EDUC 305 Educational Psychology - Cognitive Aspects3
SCEN 491 Teaching Science in Secondary Schools$\begin{array}{r}4 \\ \cdots \\ \hline\end{array}$
EDUC 420 Reading in the Content Areas ..... 9

To be eligible to student teach, Chemistry Education students must have a g.p a of 275 in their chemistry major and an overall g.p.a 25 . Students should consult the teacher education program coordinator (see list on $p$. 176) to obtain the student application and other information concerning student teacher policies.
CREDITS TO TOTAL A MINIMUM OF 124

## HONORS BACHELOR OF ARTS: CHEMISTRY EDUCATION

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Chemistry Education.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog)
Note: At least eight of the twelve credits described in the University's generic requirements for the Honors Degree must be in CHEM courses.. The remaining four credits must be in a required course in a related technical area, e.g., BISC, MATH, PHYS, EDUC. CHEM courses at the 600-level or higher may be considered as Honors courses.
3. The additional requirement of a grade point index of at least 3.30 in chemistry courses at the time of graduation.

## DEGREE: BACHELOR OF SCIENCE MAJOR: CHEMISTRY

CURRICULUM

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-) $\ldots \ldots \ldots \ldots . . . . . . . . . . . . .$.
Three credits in an approved course or courses stressing .............................. 3
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C )3

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81.

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a modern foreign language Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single modern foreign language may attempt to fulfill the requirement in that language by taking an exemption examination. (German recommended)

## Breadth Requirements (See page 83)

A total of twenty-one credits from Groups $A, B$ and $C$ is
required with a minimum of six credits in each group The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities.
Group B: The study of culture and institutions over time
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

## Minimum 45 credits total in CHEM

CHEM 111/112 General Chemistry ... ............................................ 6
CHEM 119/120 Quantitative Chemistry I and II .................................. ... 5
CHEM 331/332 Organic Chemistry...................................... 6
CHEM 333/334 Organic Chemistry Majors Laboratory I and II................ 4
CHEM 443/445 Physical Chemistry and Laboratory ....................... 4
CHEM 437/438 Instrumental Methods and Laboratory ...................... 4
C.HEM 527 Introductory Biochemisiry ....................................................... 3
or
CHEM 641 Biochemistry

CHEM 444/446 Physical Chemistry and Laboratory. .....  4
CHEM 457/458 Inorganic Chemistry and Laboratory ..... 4
CHEM 465 Seminar (fwo semesters) ..... 2
Advanced Chemistry course at 600 -level or higher ..... 3
MATH 241/242/243 Analytic Geomerry and Calculus A, B and C ..... 12
PHYS 201/202 Introductory Physics I and II ..... 8
PHYS 207/208 Fundamentals of Physics I and IIStrongly Recommended:MATH 302 Ordinary Differential Equations I.3

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF ..... 128
DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
CONCENTRATION: ENVIRONMENTAL STUDIES
CREDITS
MAJOR REQUIREMENTS
All requirements for the B.S. in Chemistry must be met. In addition,the following courses are required for the concentration.
One of the following two-semester sequences: .....  7.8BISC 207/208 Introductory Biology 1/IIGEOG 152/220 Climate and Life/Meteorology
GEOL 106/107 General Geology
Two of the following three-credit courses: ..... 6
BISC 302 General Ecology
CIEG 433 Hazardous Waste Management
CIEG 435 Industrial Wastes Management
CIEG 437/637 Water and Waste Water Quality
CIEG 632 Chemical Aspects of Environmental Engineering
CIEG 634 Physical Aspects of Environmental Engineering
CIEG 636 Biological Aspects of Environmental Engineering
GEOG 412 Physical Climatology
GEOG 420 Atmospheric Physics
GEOG 423 Atmospheric Dynamics
GEOL 421 Environmental and Applied Geology
MAST 646 Chemical Oceanography
MAST 647 Physical Chemistry of SeawaterMAST 681 Remote Sensing of EnvironmentPLSC 608 Soil Chemistry
CREDITS TO TOTAL A MINIMUM OF128
Candidates for a B.S in chemistry must achieve a cumulative GPA of atleast 2.00 for all chemistry courses taken. Repeated Chemistry courses willbe counted only once in the calculation of the chemistry GPA. The calcula-tion of the chemistry course GPA ( 200 minimum required for graduation)for candidates for the B.S degree in Chemistry or Biochemistry will notinclude grades earned for lower level subdisciplinary courses taken after ahigher level course in the same subdiscipline has been taken and passedwith a grade of $C$ or higher. Likewise, freshman-level courses may not beused by upperclassmen as GPA enhancers after those required for gradua-tion have been taken CHEM 342 and CHEM 100 will be regarded asexceptions to the foregoing prohibitions, since their subject matter coverageis considerably different than that found in higher level courses.

Example: A grade earned in CHEM 214 subsequent to a C or better grade earned in CHEM 527 (or CHEM 641/642) would not be counted in the chemistry GPA calculation for B.S. chemistry or biochemistry majors.

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: BIOCHEMISTRY

CURRICULUM CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-) ................. 3
Three credits in an approved course or courses stressing ............................... 3 multicultural, ethnic, and/or gender-related content (see p 57)
COLLEGE REQUIREMENTS
Writing: (minimum grade C-1
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for
extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a modern foreign language Number of credits needed and initial placement depends on number of years of high school study of foreign language. Students with four or more years of high school work in a single modern foreign language may attempt to fulfill the requirement in that language by taking an exemption examination. (German recommended)
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups $A, B$ and $C$ is
required with a minimum of six credits in each group The six credits from each group could be from the same area.
Group A: Understanding and appreciation of the creative arts and humanities.
Group B: The study of culture and institutions over time
Group C: Empirically based study of human beings and their environment.

## MAJOR REQUIREMENTS

## Minimum 46 credits total in CHEM

CHEM 111/112 General Chemistry ........................................................ 6
CHEM 119/120 Quantitative Chemistry I and II...................................... 5
CHEM 331/332 Organic Chemistry .............................................. . 6
CHEM 333/334 Organic Chemistry Majors Laboratory land il
CHEM 342 Introduction to Biochemistry ……..................... .... .............. 3
CHEM 418 Introductory Physical Chemistry ....................................... 3
or
CHEM 443 Physical Chemistry
CHEM 437/438 Instrumental Methods and Laboratory .............................. 4
CHEM 641 Biochemistry.................................................................. 3

Or
CHEM 444 Physical Chemistry
CHEM 445 Physical Chemistry Laboratory ....................................................... 1

Advanced Chemistry or Biochemistry course at 600-level ................................ 3
Two Advanced Biochemistry courses at 600 -level $6-8$

Two Biology courses selected from the following:
BISC 301 Molecular Biology of the Cell (4)
BISC 303 Genetic and Evolutionary Biology (4)
BISC 601 Immunochemistry (4)
BISC 604 Recombinant DNA Laboratory (4)
BISC 654 Biochemical Genetics (3)
BISC 679 Virology (3)
BISC 698 Comparative Endocrinology (3)
CHEM 465 Seminar(fwo semesters) ....................................................... 2

wo Biology laboratory courses selected from the following:
BISC 303 Genetic and Evolutionary Biology (4)
BISC 306 General Physiology (4)
BISC 371 Introduction to Microbiology (4)
BISC 601 Immunochemistry (4)
Related Work
MATH 241/242 Analytic Geometry and Calculus A and B ... .............. 6-8
or
MATH 221/222 Calculus I and II
BISC 207/208 Introductory Biology I and II 8
8
PHYS 201/202 Introductory Physics I and II
8

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

## CREDITS TO TOTAL A MINIMUM OF

Candidates for a BS in biochemistry must achieve a cumulative GPA of at least 2.00 for all chemistry courses taken. Repeated Chemistry courses are counted only once in the calculation of the Chemistry GPA. The calculation of the chemistry course GPA ( 2.00 minimum required for graduation) for candidates for the B.S degree in Chemistry or Biochemistry will not include grades earned for lower level subdisciplinary courses taken after a higher level course in the same subdiscipline has been taken and passed with a grade of C or higher. Likewise, freshman-level courses may not be used by upperclassmen as GPA enhancers after those required for graduation has been taken. CHEM 342 and CHEM 100 will be regarded as exceptions to the
foregoing prohibitions, since their subject matter coverage is considerably different than that found in higher level courses
Example: A grade earned in CHEM 214 subsequent to a $C$ or better grade earned in CHEM 527 (or CHEM $641 / 642$ ) would not be counted in the chemistry GPA calculation for B S. chemistry or biochemistry majors.

## HONORS BACHELOR OF SCIENCE:

## CHEMISTRY OR BIOCHEMISTRY

The recipient must complete:

1. All requirements for the Bachelor of Science degree in Chemistry or Biochemistry.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog)
Note: Courses at the 600 -level or higher in chemistry in excess of the 600 -level courses required for the B.S degree may be considered as Honors courses. Only one 3- or 4 -credit required course in a related technical area may be considered as part of the twelve credits described in the University's generic requirements for the Honors Degree.
3. The additional requirement of a grade point index of at least 3.30 in chemistry courses at the time of graduation.

## REQUIREMENTS FOR A MINOR IN CHEMISTRY

The minor in chemistry requires a minimum of 19 credits as follows:
$\qquad$
Any three of the following:
CHEM 220, 221 (or 437, 438) ............... ................................................ 4
CHEM 321 (or 331, 333) ................................................................. 4-5
CHEM 457, 458
CHEM 418, 445 (or 443, 445)
CHEM 527 or 641 ......................................................................................
Students must have a minimum grade of $C$ - in each course counted toward the minor.

## CLASSICS

(See Foreign Languages and Literatures)

## COGNITIVE SCIENCE

(S ${ }_{\text {ee Linguistics) }}$

## COMMUNICATION

The Communication Department offers an undergraduate major program in Communication, with concentrations in Interpersonal Communication and in Mass Communication. An Honors Degree option is also available.

A major in communication is designed to increase knowledge about communication processes, to increase awareness of the potential impact of communication on society, and to make students more competent in communicating with others and in assisting others to communicate more effectively

Toward this end, communication is viewed as a social and behavioral science Courses are offered in the areas of human communication theory, interpersonal communication, mass communication, organizational communication, public relations, and oral communication skills. Classes emphasize the use of theory and research to understand and analyze communication processes

Students enter this major as communication interest majors. A 2.0 overall GPA is required to declare the communication interest major: Communication interest majors must complete the four core courses: COMM 245, 256, 301 and 330. Based on their GPA in these four courses, the top 100 students will annually be allowed to matriculate into the communication major

Students who major in communication will work with their assigned faculty advisor to plan a program of courses that leads to the degree of Bachelor of Arts.

Telephone: (302) 831-8041
http://www.udel edu/johnc/udcomm.html

## DEGREE: BACHELOR OF ARTS <br> MAJOR: COMMUNICATION

## CONCENTRATION: INTERPERSONAL COMMUNICATION

CURRICULUM
See page 78 for University and College requirements. MAJOR REQUIREMENTS
NOTE: All 4XX communication courses may be limited to COMM majors COMM 245, 256, 301, and 330 comprise the four core courses in the communication interest major
COMM 245 Mass Communication and Culture . ................................. 3
COMM 256 Principles of Communication Theory .................... 3
COMM 301 Introduction to Communication Research Methods................. 3
COMM 330 Communication and Interpersonal Behavior ....................... 3
COMM 341 Theories of Interpersonal Communication ......................... 3
COMM 350 Public Speaking ............................................ 3
COMM 417 Communication and the Management of Conflict.................. 3
COMM 485 Analysis of Face-to-Face Communication.............. $3^{3}$
One additional 400-level Interpersonal or Organizational ........................... 3
Communication course.
One additional 400 -level COMM course, not COMM 466 or COMM $464 \ldots . . .3$
Six to 15 COMM elective credits... ............................................ 6-15
for a total of not less than 36 nor more than 45 COMM credits These
may be taken from the other conceniration or from the following:

## Interpersonal Communication Electives

COMM 200 Introduction to Human Communication Systems
COMM 251 The Development of Verbal Communication
COMM 438 Speech, Language and Communication
COMM 440 Topics in Interpersonal Communication
COMM 452 Communication and Persuasion

## Mass Communication Electives

NOTE: COMM 325 is prerequisite to COMM 388 and COMM 435
COMM 325 Studio Television Production
COMM 326 Field Television Production
COMM 388 TV Production Practicum
COMM 418 Topics in Mass Communication
COMM 454 Children and the Mass Media

## Organizational Communication Electives

COMM 356 Small Group Communication
COMM 442 Topics in Organizational Communication
COMM 456 Communication in Organizations

## Public Relations Electives

NOTE: ENGL 307 is prerequisite to the following sequence and should be taken in the sophomore year.
COMM 309 Introduction to Public Relations
COMM 311 Public Relations Writing
COMM 409 Public Relations Campaign Planning
COMM 413 Public Relations Management

## General Electives

COMM 366/466 Independent Study/Special Problems
COMM 364 Internship
COMM 367/467 Experimental Courses not listed in Catalog
ELECTIVES
Affer required courses are completed sufficient elective credits musi be
taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS MAJOR: COMMUNICATION CONCENTRATION: MASS COMMUNICATION

## CURRICULUM

CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
NOTE: All 4 XX communication courses may be limited to COMM majors COMM 245, 256, 301, and 330 comprise the four core courses in the communication interest major.
COMM 245 Mass Communication and Culfure ........................................ 3
COMM 256 Principles of Communication Theory
COMM 301 Introduction to Communication Research Methods ..................... 3
COMM 330 Communication and Interpersonal Behavior ............................. 3

COMM 350 Public Speaking ...............................................
COMM 370 Theories of Mass Communication
COMM 424 Media Message Analysis
COMM 450 Mass ……............ 3
One additional 400-level COMM course, not COMM 466 or COMM $464 \ldots . . .3$
Six to 15 COMM elective credits .................................................................
for a total of not less than 36 nor more than 45 COMM credits. These
may be taken from the other concentration or from the following:

## Interpersonal Communication Electives

COMM 200 Introduction to Human Communication Systems
COMM 251 The Development of Verbal Communication
COMM 438 Speech, Language and Communication
COMM 440 Topics in Interpersonal Communication
COMM 452 Communication and Persuasion

## Mass Communication Electives

NOTE: COMM 325 is prerequisite to COMM 388 and COMM 435
COMM 325 Studio Television Production
COMM 326 Field Television Production
COMM 388 TV Production Practicum
COMM 418 Topics in Mass Communication
COMM 454 Children and the Mass Media
Organizational Communication Electives
COMM 356 Small Group Communication
COMM 442 Topics in Organizational Communication
COMM 456 Communication in Organizations

## Public Relations Electives

NOTE: ENGL 307 is prerequisite to the following sequence and should
be taken in the sophomore year.
COMM 309 Introduction to Public Relations
COMM 311 Public Relations Writing
COMM 409 Public Relations Campaign Planning
COMM 413 Public Relations Program Management

## General Electives

COMM 366/466 Independent Study/Special Problems
COMM 364 Internship
COMM 367/467 Experimental Courses not listed in Catalog

## ELECTIVES

After required courses are completed sufficient elective credits must be
taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: COMMUNICATION

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Communication.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog).
3. Honors students concentrating in Interpersonal Communication must take Honors sections of COMM 245, COMM 330, COMM 417, and COMM 485. Students concentrating in Mass Communication must take Honors sections of COMM 245, COMM 330, COMM 424, and COMM 450.

## COMPARATIVE LITERATURE

Both an undergraduate major and a minor in Comparative Literature $^{\text {a }}$ are available. The aim of the program in comparative literature is to allow students to study literature in an international and intercultural relationship, across boundaries of nation and language. Comparative literature embraces the study of literary themes, forms, movements and relations, as well as the interrelations of literature and other disciplines. The program offers the student the opportunity, with the aid of an advisor, to construct a program reflecting individual areas of interest.

Students majoring or minoring in comparative literature must have a command of at least one foreign language at the advanced elective level. It is strongly recommended that majors pursue a second foreign language at least through the intermediate level Students planning to go on to graduate work in comparative literature would be well advised to include work in a classical language in their program. Majors are expected to make use of their command of foreign languages in comparative literature courses For information on the Comparative Literature major or minor, contact Professor Nicolas Gross, 439 Smith Hall (302) 831-2039.

In addition to the courses designed specifically for students specializing in comparative literature, the program offers a number of courses in cooperation with other departments (English, Foreign Languages and Literatures, Anthropology, Philosophy, etc.); these courses should be of interest to most students.

Telephone: (302) 831-2039

## DEGREE: BACHELOR OF ARTS

## MAJOR: COMPARATIVE LITERATURE

CURRICUIUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
CIMT 202 Biblical and Classical Literature ......................................... 3
[ENGL 205 or 206 or CLMT 316 may be substituted with advisor's approval)
CLMT 207 Great Writers of the Western World: 1100-1700 ............... 3
CIMT 208 Great Writers of the Western World: $1650-1950$
Comparative Literature courses or courses in related fields ............................... 9 opproved by the advisor.
Nine credits in each of two national literatures studied in
the original text with at least three credits at the 400 -level.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF 124

REQUIREMENTS FOR THE MINOR IN COMPARATIVE LITERATURE
The minor requires a minimum of 18 credits, as follows:
I. Core courses in comparative literature ( 6 credits)

Two of CLMT 202, 207, or 208
II. Foreign literature courses ( 6 credits)

Advanced elective-level courses studied in the original text
III. Advanced English or Advanced CLMT course ( 3 credits)
IV. Approved related area course ( 3 credits)

## COMPUTER AND INFORMATION SCIENCES

The Department of Computer and Information Sciences offers fouryear undergraduate programs leading to either a Bachelor of Arts degree in computer science or a Bachelor of Science degree in computer science. In conjunction with the University Honors Program, the Department also offers a program of study leading to an Honors B. A. or an Honors B S. with a major in Computer Science.

Courses are also provided for students in other areas who desire an understanding of the application of computers to the subject of their major interest. In many courses, problem solutions require the use of computers located in the University of Delaware Computing Center These computers are available to undergraduate students for use in connection with both course work and research.

Telephone: (302) 831-2712
E-mail: ugradprgm@cis udel.edu
http://www.cis udel edu/home html

## DEGREE: BACHELOR OF ARTS MAJOR: COMPUTER AND INFORMATION SCIENCES

CURRICULUM
CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
CISC 181 Introduction to Computer Science ............................................ 3
(Assumes some prior progromming experience. Students without prior experience should first take CISC 105.)

CISC 260 Machine Organization and Assembly Language .......................... 3
CISC 280 Program Development Techniques ............................................ 3
Eighteen credits of Computer Science numbered 301 or ..................................... 18
above, approved by the student's advisor.
MATH 210 Discrete Mathematics I................. ........................................... 3
MATH 241 Analytic Geometry and Calculus A ................................................ 4
MATH 315 Discrete Mathematics II

## ELECTIVES

Affer required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..................................... 124

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: COMPUTER AND INFORMATION SCIENCES

## CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C) ...................... 3
Three credits in an approved course or courses stressing .......................
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C-) ................................................................. 3
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81.)
Breadth Requirements (See page 83)
Six credits from each of the following groups18

Group A: Understanding and appreciation of the creative arts and humanities.
Group B: The sfudy of culfure and institutions over time
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

CISC 181 Introduction to Computer Science ..................................... 3
(Assumes some prior programming experience Students without prior experience should first take CISC 105)
CISC 220 Data Structures .................................................................. 3
CISC 260 Machine Organization and Assembly Language .............................
CISC 280 Program Development Techniques 3
CISC 301 Elements of Logic and Automata Theory ….................................................

CISC 360 Computer Architecture

CISC 475 Object-oriented Software Engineering ........................................ 3
Twelve credits of Computer Science numbered 301 or above, ............. 12 approved by the student's advisor. Three of these credits may be in Math at the 300 -level or above

Twelve credits in advanced courses in an advisor-approved CISC
concentration. Students are encouraged to explore how other subject areas impact and are impacted by computer science An approval form signed by the CISC advisor is required
MATH 210 Discrete Mathematics I........................................................... 3
MATH 241 Analytic Geometry and Calculus A
STAT 205 Statistical Methods ................ .................... ........................... 4
ENGL 312 Written Communications in Business .................................... 3
or
ENGL 410 Technical Writing ................................................................................
CSCC 355 Computers, Ethics and Society.... .................................................. 3
CPEG 210 Introduction to Combinational Logic .... ....................................... 2

One of the following sequences of laboratory science courses:
PHYS 207/208 Fundamentals of Physics
or
CHEM 103/104 General Chemistry ............................................... 8
or $207 / 208$ Introductory Biology ............................................... 8
EOL 106/107/116 General Geology and Laboratory .......................... 8

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

A minor in computer science consists of a total of 15 or more credits including CISC 181, CISC 220, and CISC 280. Students without prior programming experience should take CISC 105 first. Six additional credits of CISC at the 200 -level or above should be chosen with the advisor's approval. Note that the College of Arts and Science requires a grade of C - or better in all courses counted towards a minor.

## CONTINENTAL EUROPEAN STUDIES

An interdisciplinary major in Continental European Studies, including an Honors option, is offered jointly by the Departments of Foreign Languages and Literatures, History, and Political Science and International Relations. The B.A program in Continental European Studies prepares undergraduate students as Europeanists; accordingly, it gives students a focused knowledge of the history and political institutions of a particular European country (e.g., Italy) in a general European context, together with the linguistic skills required to engage in a rigorous program of research or graduate-level studies in the target country and to discharge their future professional responsibilities competently and successfully. Students will acquire a unique cultural perspective of the target country, combining several disciplines into a sharply defined major.

Students enrolled in this program will enhance their knowledge and their experience with the civilization of the country they propose to study, and provide themselves with the tools they will need in such future undertakings as graduate school, government or other international agencies, international law, or commercial enterprises with an international orientation

Students in other majors who wish to change their major to Continental European Studies must have a minimum grade point average of 2.3. Students transferring into the major from outside the University of Delaware will have their transcripts evaluated on a case-by-case basis

Study abroad is strongly recommended for students in this program

Telephone: (302) 831-2038
E-mail: braun@udel.edu
http://www.udel edu/fllt/lang/french/euro html

## DEGREE: BACHELOR OF ARTS

## MAJOR: CONTINENTAL EUROPEAN STUDIES

## CURRICULUM

CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS

## Foreign Languages and Literatures:

12 credit hours of work at the 200 -level and above in a European foreign language (French, German, Italian, Russian, and Spanish), as follows:

3 credits at the 200 level
3 credits at the 200- or 300 -level
3 credits in continental literature at the 300 -level
3 credits in continental civilization at the 300 - or 400 -level

## History:

12 credit hours of work in History courses as follows: HIST 101 or 102 Western Civilization

3 additional credits of History at the 200-, 300-or 400-level
6 additional credits of History at the 300 - or 400 -level
The 200-, 300-, and 400 -level History courses will be drawn from courses such as the following, depending on the student's specialization:
HIST 210, 241, 245, 250, 339, 342, 343, 344, 345, 346, 347, 348, $350,351,352,353,354,355,356,357,358,359$, plus 400 -level History courses, with the prior approval of the advisor
Political Science and Infernotional Relations:
12 credit hours of work in Political Science courses, as follows:
POSC 270 Comparative Politics
One of the following two courses:
POSC 310 European Governments ............................................................ 3

Two of the following:
POSC 432 Political Systems of the Post-Soviet Union ............................. 3
POSC 441 Problems of Western European Politics by Country …................. 3
POSC 442 Problems of Western European Politics ...................................... 3
POSC. 300 or 400 -level topics courses with European content, ................ 3
as approved by the program advisor
Nine credits of work in any combination of courses in the 9
foreign language, History, Political Science, or in related fields (such as Art History, Geography, Music), all with the prior consent of the student's advisor. The Honors thesis or Degree with Distinction thesis can be included in this category

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

## HONORS BACHELOR OF ARTS:

## CONTINENTAL EUROPEAN STUDIES

The requirements for the Honors B.A. in Continental European Studies are:

1. All requirements for the B.A in Continental European Studies.
2. All the University's generic requirements for the Honors Degree (see page 43 of this catalog). The Honors credits in the major shall come from at least two different participating departments, and shall include at least two courses at the 300 -level or above
3. The cumulative grade point average for all courses in the major must be at least 3.400 .

## CRIMINAL JUSTICE

See Sociology and Criminal Justice.

## EARTH SCIENCE EDUCATION

See Geology

## EAST ASIAN STUDIES

An interdisciplinary major in East Asian Studies, including an Honors option, is offered jointly by several departments in the College of Arts and Science In addition, a minor in East Asian Studies is available.

The B A. program in East Asian Studies prepares undergraduate students as East Asian studies specialists; accordingly, it provides students with training in the history, political institutions, and culture of a particular East Asian country (e.g., China or Japan) in a general East Asian context, together with the linguistic skills required to engage in a rigorous program of research or graduate-level studies in the target country, and to discharge their future professional responsibilities competently and successfully. Students will acquire a unique cultural perspective of the target country, combining several disciplines into a sharply defined major:

Students enrolled in this program will enhance their knowledge and their experience with the civilization of the country they propose to study, and provide themselves with the tools they will need in such future undertakings as graduate school, government or other international agencies, international law, or commercial enterprises with an international orientation. Students in this program may choose a second major offered by such departments as art history, economics, history, music, philosophy, and political science.

Students in other majors who wish to change their major to East Asian Studies must have a minimum grade point average of 2.3. Students transferring into the major from outside the University of Delaware will have their transcripts evaluated on a case-by-case basis."

Study abroad is strongly recommended for students in this program.

Telephone: (302) 831-2371
http://www udel edu/AreaStudies/asia html

## DEGREE: BACHELOR OF ARTS

MAJOR: EAST ASIAN STUDIES
CURRICULUM ..... CREDITSSee page 78 for University and College requirements.MAJOR REQUIREMENTS (31 or 32)
One of the following options (A or B):
A. Concentration in China or Japan - (7 credits total)One of the following two courses:4CHIN 107 Chinese lll-IntermediateJAPN 107 Japanese III - Intermediate
Plus 3 credit hours at the 200 -level or above in3Chinese or in Japanese (including JAPN 200, 205, 206, or 209).orB. Joint Chinese/Japanese Concentration ( 8 credits total)
CHIN 107 Chinese III - Intermediate. ..... 4
JAPN 107 Japanese III - Intermediate ..... 4
For both concentrations:
HIST 137 East Asian Civilization: China ..... 3
HIST 138 East Asian Civilization: Japan. ..... 3
3
PHIL 310 Chinese Religion and Philosophy ..... 3
POSC 312 East Asian Political Systems .....  3
Choose one of the following three courses: ..... 3
ARTH 155 Asian Art
JAPN 204 The Art of Japanese Calligraphy
MUSC 206 Music of China, Korea, and Japan
Nine credits of major electives in the Humanities and ..... 9
Social Sciences, from at least 2 departments, selected through prior consultation with the student's Advisor
These courses include, among others: ARTH 155 (if not selected as a required course), ARTH 156, ARTH 233, ARTH 234, ARTH 237, FLLT 328 (may be repeated when topic differs), FLLT 380 (may be repeated when topic differs), FLLT 338, HIST 270, HIST 333, HIST 368 (restricted to sophomores and above), HIST 369 (restricted to sophomores and above), HIST 370 , HIST 371, HIST 372, HIST 479 (may be repeated when topic differs), JAPN 200, JAPN 204, JAPN 205, JAPN 206, JAPN 208, JAPN 209, JAPN

266, JAPN 305, JAPN 340, JAPN 350, JAPN 355, JAPN 366, JAPN 440,
JAPN 455, LING 470 (prereq. =LING 101), LING 495 (prereq. $=$ IING 101),
MUSC 119, MUSC 121 (1 credit), MUSC 206 (if not selected as a required course), POSC 427, POSC 428, POSC 443, plus 200 -level CHIN, $200-$
level JAPN, 300-level ECON and certain HESC courses

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: EAST ASIAN STUDIES

The requirements for the Honors B.A. in East Asian Studies include:

1. All requirements for the B.A. in East Asian Studies.
2. All the University's generic requirements for the Honors Degree (see page 43 of this catalog). The Honors credits in the major shall come from at least two different participating departments, and shall include at least two courses at the 300 -level or above.
3. The successful completion of the two courses ( 6 credit hours) required to produce an Honors Thesis. This requirement would be in addition to the 31 or 32 credit hours required for the East Asian Studies major, to yield a total of 37 or 38 credit hours.
4. The cumulative grade point average for all courses in major must be at least 3.400 .

## REQUIREMENTS FOR A MINOR IN EAST ASIAN STUDIES

This is an interdisciplinary minor program for students wishing to focus their interests on East Asia as an enhancement and complement to their undergraduate majors. Students will declare the minor in either East Asian Studies without Language or East Asian Studies with Language. For information, contact Professor David Pong, 401A Ewing Hall (302) 831-2371.

## EAST ASIAN STUDIES MINOR WITHOUT LANGUAGE

Number of credits required:
A minimum grade of C - is required in all courses.
$\mathbf{6}$ credits in two disciplines from the following courses in the humanities:
ARTH 155 Asian Art
ARTH 161 Art in East and West
FLLT 380 Topics: Japanese Culfure in Translation
HIST 333 The Age of Confucius
MUSC 206 Music of China, Korea, and Japan
PHIL 310 Chinese Religion and Philosophy
6 credits from the following courses in the social sciences:
HIST 137 East Asian Civilization: China
HIST 138 East Asian Civilization: Japan
HIST 270 History of Modern Asia
HIST 390 History of Modern Southeast Asia
POSC 312 East Asian Political Systems
6 credits from the following courses in economics, history, linguistics, and political science:
ECON 3xx East Asian Economic Systems
HIST 368 Modern China: 1600-1920s
HIST 369 China Since 1900
HIST 370 History of Modern Japan
HIST 393 History of Modern Vietnam
HIST 3xx China and the West
HIST 479 Seminar in Asian History
UING 470 Structure of Chinese
LING 495 Structure of Japanese
POSC 427 Politics in China
POSC 428 Politics in Japan
POSC 443 China and the World
Substitutions for the above courses may be made with permission from the program director. Independent studies and special problems courses may also count towards the minor with the director's approval. The course list will be updated as new courses become available.

## EAST ASIAN STUDIES MINOR WITH LANGUAGE

The minor in East Asian Studies with Language consists of the 18 credits of requirements for East Asian Studies without Language plus completion of either CHIN 107 or JAPN 107 or their equivalents in transfer credit or by successful performance on a proficiency examination. The number of credits required for this minor therefore ranges from 18-30, depending upon the student's language placement.

## ECONOMICS

Students enrolled in the College of Arts and Science may earn a Bachelor of Arts degree by majoring in Economics or in Economics Education. These majors have the same group and language requirements as other Bachelor of Arts programs offered in the College of Arts and Science.

Both a Bachelor of Arts and Bachelor of Science degree are available to students enrolled in the College of Business and Economics. The group and language (Bachelor of Arts) or quantitative proficiency (Bachelor of Science) requirements for students enrolled in the College of Business and Economics are described in the College of Business and Economics section of this catalog.

A minor program in economics is also available through the College of Business and Economics.

Economics, a social science, analyzes the market and non-market production and allocation of goods and services. The problems associated with society's effort to prosper in a world possessing finite resources provide the focus. Students majoring in economics will be advised by the faculty of the Department of Economics within the College of Business and Economics.

Telephone: (302) 831-2563
http://WWw.be. udel edu/Econ_Site/EconHPhtml

## DEGREE: BACHELOR OF ARTS MAJOR: ECONOMICS

CURRICULUM $\mathbf{~ S e e ~ p a g e ~} 78$ for University and College requirements.

See page 78 for University and College requirements. MAJOR REQUIREMENTS

## Minimum C- in all required ECON courses.

ECON 151 Introductory Microeconomics: Prices and Markets ..................... 3
ECON 152 Introductory Macroeconomics: National Economy ........................ 3
ECON 300 Intermediate Microeconomic Theory ........................................ 3
$\stackrel{\circ}{\circ}$
ECON 301 Quantitative Microeconomic Theory ............................. 3
ECON 302 Banking and Monetary Policy... ............................. .......... 3
ECON 303 Intermediate Macroeconomic Theory ............................ 3
Five Economics courses, at least two of which are at or above .................. 15
the 400 -level
STAT 201 Introduction to Statistics I...................................................... 3
STAT 202 Introduction to Statistics II .... .................................................. 3
Nine credits chosen from any 300 -level or higher course in ........................ 9
Accounting, Anthropology, Business Administration, Computer Science,
Finance, Geography, History, Mathematics, Philosophy, Political Science,
Psychology, Sociology and Statistics. Also acceptable are ACCT 207,208
and 261, any 200-level Mathematics course and any BUEC courses.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF
Credit will not be allowed for both courses of any of the following sets of corresponding courses: ECON 311 and ECON 411 ; ECON 332 and ECON 433; ECON 344 and ECON 444; ECON 360 and ECON 463; and ECON 381 and ECON 483

Departmental requirements and course descriptions are subject to continual revision Up-todate statements of requirements, course descriptions, and departmental policies are available in the department office.

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ECONOMICS EDUCATION

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS

## Minimum C- in all required ECON courses.

ECON 151 Introductory Microeconomics: Prices and Markets .................. 3
ECON 152 Introductory Macroeconomics: National Economy …...................... 3
ECON 300 Intermediate Microeconomic Theory ………....................... 3 or
ECON 301 Quantitative Microeconomic Theory ........................................ 3
ECON 302 Banking and Monetary Policy.............................................. 3
ECON 303 Intermediate Macroeconomic Theory .................................. 3
Five Economics courses, at least two of which are at or above ............... 15 the 400 -level
POSC 105 The American Political System ............................................. 3
GEOG 120 World Regional Geography ….............................................. 3

HIST 206 United States History since 1865 ... ................................... . 3
Additional credits as follows …...................................................... 15
6 credits in POSC, 6 credits in GEOG, 3 credits in HIST
EDUC 201 Diversity in the Classroom..................................................... 3
EDUC 304 Educational Psychology - Social Aspects ...................................
EDUC 305 Educational Psychology - Cognitive Aspects ........................... 3
HIST 491 Planning a Course of Instruction......................................... 3
HIST 493 Seminar: Problems in Teaching History and ............................. 3
EDUC 420 Reading in the Content Areas ........................................................
EDUC 400 Student Teaching
To be eligible to student teach, Economics Education students must have a g.p.a. of 3.0 in their major and an overall g.p a of 2.75 . Students should consult the teacher education program coordinator (see list on $p$ 176) to obtain the student teaching application and other information concerning student teaching policies
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS:

## ECONOMICS OR ECONOMICS EDUCATION

## The recipient must complete:

1. All requirements for the Bachelor of Arts in Economics or in Economics Education in the College of Arts and Science.
2. All the University's generic requirements for the Honors Degree (see page 43 of this catalog).
3. The courses in Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory must be taken in Honors sections.
4. Courses in Economics at the 600 level or higher may be considered as Honors courses.

## ENGLISH

The English Department has a widely varied undergraduate program In the undergraduate literary studies major, students can study literature in English from Britain, America, and around the world. Undergraduates may elect concentrations in journalism, film, drama, ethnic and cultural studies, or business/technical writing, or, if they meet the admission requirements, may elect the program in English education Journalism concentrators undergo intensive training in written journalism and serve on the staff of the University newspaper, The Review, in connection with their study. A number of undergraduate journalism concentrators also gain internship experience with local newspapers, TV stations, and other organizations. The film concentration includes courses in history and theory of film as well as film and literature, Black cinema, and other subjects. The drama concentration allows students to earn the English degree with an emphasis on the study of the theatre and its literature. The ethnic and cultural studies concentration emphasizes multicultural literatures in the Americas, folklore, and media studies. The program in business/technical writing is designed
to prepare students for positions as professional writers or editors in industry and government. This concentration requires internships of qualified students. The major in English education prepares students to teach English in the secondary schools (grades 7-12) Graduates of this program receive the B A in English and are eligible for teacher certification in 27 states and the Overseas Dependent Schools System.

The department regularly offers a series of creative writing courses both comprehensive and tailored to individual student needs. Courses in writing poetry and fiction are available at all levels, and the department publishes the literary magazine Caesura. In addition, the students give poetry and fiction readings, both with the faculty and by themselves.

The following courses may not be counted toward the English major or minor: ENGL 200, 204, 210, 301, and 365 ENGL 307, 308, $309,310,407,408$, and 409 may be counted only as part of the journalism concentration; ENGL 312, 410, 411, 412, 413, 414, 415, and 464 may be counted only as part of the concentration in business/ technical writing; and ENGL 384 may be counted only as part of the concentration in English education.

Telephone: (302) 831-2361
http://www.english udel edu/

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ENGLISH

CURRICULUM CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
Five of the following six courses:
ENGL 202 Biblical and Classical Literature3
ENGL 205 British Literature I
ENGL 206 British Literature II
ENGL 300 Texts and Contexts
ENGL 324 Shakespeare
ENGL 340 or ENGL 341 American Literature
Twelve credits at the 300-level or above distributed as follows: ..................... 12
a. A course other than Shakespeare in Medieval or Renaissance literature
b. A course in literature between 1700 and 1900
c A course in Modern literature
d. A course in cultural and theoretical studies.

English courses at or above the 300-level
English courses at or above the 200-level ......................... .... ................ 3
All English majors must take at least one ENGL 480 seminar and can count only one 200 -level elective course (excluding those in the core or in addition to those counted in the core) toward the minimum number of credits for the major

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ENGLISH <br> CONCENTRATION: BUSINESS/TECHNICAL WRITING

CURRICULUM
CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
Five of the following six courses:
ENGL 202 Biblical and Classical Literature
ENGL 205 British Literature I
ENGL 206 Brifish Literature II
ENGL 300 Texts and Contexts
ENGL 324 Shakespeare
ENGL 340 or ENGL 341 American Literature
Nine credits at the 300-level or above distributed as follows: ...................... 9
a. A course other than Shakespeare in Medieval or Renaissance literature or a course in literature between 1700 and 1900
b A course in Modern literature or a course in cultural and theoretical studies.
c A literature course.
One of the following three courses
ENGL 312 Written Communications in Business
ENGL 410 Technical Writing
ENGL 415 Wrifing for the Professions
ENGL 411 Rhetoric for Business and Technical Writers ..... 3
ENGL 412 Business and Technical Publication
ENGL 414 Technical Editing
Optional:ENGL 413 Topics in Technical Writing or one other EBT course
All English Business/Technical Writing majors must take at least oneENGL 480 seminar and can count only one 200 -level course toward theminimum number of credits for the major.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree. Most concentrators take a core of courses in a technical or business discipline such as Computer Science, Chemistry, Business Administration or Accounting33
333
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: ENGLISH
CONCENTRATION: DRAMA
CURRICULUMCREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
ENGL 324 Shakespeare .....  3
Four of the following six courses: ..... 12
ENGL 202 Biblical and Classical Literature
ENGL 205 British Literature
NGL 206 British Literature IIENGL 300 Texts and ContextsENGL 340 or ENGL 341 American Literature
One course at the 300 -level or above fromeach of the following groups ( 2 courses total):6
Medieval and Renaissance literature (excluding ENGL 324)orLiterature Between 1700 and 1900Modern Literature
orCultural and Theoretical StudiesOne other literature course is required. This course may be at the 200-300 -, or 400 -level if one of the courses taken in the above two groups isa 480 seminar. Otherwise, this additional course must be a 480 seminar3
ENGL 208 Introduction to Drama .....  3
Three additional courses (approved by the Faculty Advisor), ..... 9
at least one of which should be either a Theatre Studies course or acomparable course.
ENGL 307, 308, 309, 310, 407, 408, 409 count toward the Englishmajor only as part of the concentration in journalism; ENGL 312, 410,$411,412,413,415,464$ count toward the English major only as partof the concentration in Business and Technical Writing; ENGL 200, 204,210,301, 365 do not count toward the English major
ELECTIVES
After required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF124
DEGREE: BACHELOR OF ARTS
MAJOR: ENGLISH
CONCENTRATION: ETHNIC AND CULTURAL STUDIES
CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Five of the following six courses:15
ENGL 202 Biblical and Classical Literature
ENGL 205 British Literature
ENGL 206 British Literature II
ENGL 300 Texts and Contexts (Concentrators in Ethnic and Cultural Studiesmust include ENGL 300 as one of the five courses chosen)
ENGL 324 Shakespeare3
ENGL 340 or ENGL 341 American Literature
Nine credits at the 300-level or above, distributed as follows: ..... 9
a. A course other than Shakespeare in Medieval or Renaissance liter-ature or a course in literature between 1700 and 1900b. A course in Modern literature or a course in cultural and theoreticalstudies.
c. A literature course
ENGL 379 Introduction to Ethnic and Cultural Studies. ..... 3
ENGL 382 Studies in Multicultural Literature(may be repeated for credit when topics differ)3
Two other courses at the 300-level or above, to be chosen in consultation with the student's concentration advisor ..... 6
All English/Ethnic and Cultural Studies majors must take at least one ENGL 480 seminar and can count only one 200 -level course toward the minimum number of credits for the major.CREDITS TO TOTAL A MINIMUM OF124
DEGREE: BACHELOR OF ARTS MAJOR: ENGLISH CONCENTRATION: FILMCREDITS
See page 78 for University and College requirements.
MAJOR REOUIREMENTS
Five of the following six courses:15
ENGL 202 Biblical and Classical Literature
ENGL 205 British LiteratureENGL 206 British Literature IIENGL 300 Texts and Contexts
ENGL 324 Shakespeare
ENGL 340 or ENGL 341 American Literature
Nine credits at the 300 -level or above distributed as follows: ..... 9
a A course other than Shakespeare in Medieval or Renaissance liter-ature or a course in literature between 1700 and 1900 .
b A course in Modern literature or a course in cultural and theoreticastudies.c. A literature course
ENGL 217 Introduction to Film ..... 3
ENGL 317 Film History. ..... 3
ENGL 318 Studies in Film (variable content, may be repeated once) ..... 3
All English/Film majors must take at least one ENGL 480 seminar andcan count only one 200 -level course toward the minimum number ofcredits for the major
ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ENGLISH <br> 

CURRICUIUM ..... CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Five of the following six courses:15
ENGL 202 Biblical and Classical LiteratureENGL 205 British Literature IENGL 206 British Literature IIENGL 300 Texts and ContextsENGL 324 Shakespeare
ENGL 340 or ENGL 341 American Literature
Nine credits at the 300 -level or above distributed as follows: ..... 9a. A course other than Shakespeare in Medieval or Renaissance liter-ature or a course in literature between 1700 and 1900b. A course in Modern literature or a course in cultural and theoreticalstudies
c. A literafure course

ENGL 307 News Writing and Editin ... 3
Prior to enrolling in ENGL 307, ENGL 110 or equivalent must be completed with a grade of $B$ or better.
At least nine credits chosen from among the following courses:....................... 9
ENGL 308 Reporter's Practicum
ENGL 309 Feature and Magazine Writing
ENGL 310 Copy Editing and Layout
ENGL 407 Advanced Reporting
ENGL 408 Sports Writing
ENGL 409 Topics in Journalism
May be taken in addition to the 36 required credits in English:
ENGL 466 internship
All English/Journalism majors must take at least one ENGL 480 seminar and can count only one 200 -level course toward the minimum number of credits for the major

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF ..... 124

## DEGREE: BACHELOR OF ARTS <br> MAJOR: ENGLISH EDUCATION

CURRICULUM

## See page 78 for University and College requirements.

Six credits of American History; three credits of British History; three credits of European History; three credits of Philosophy; and three credits of Art History, Thearre, or Music are required. Students are encouraged to take these courses within their Arts and Science Breadth Requirements

## MAJOR REQUIREMENTS

ENGL 202 Biblical and Classical Literature ...................................................

ENGL 206 British Literature II .................................................................. 3
ENGL 300 Texts and Contexts ............. ...................................................... 3


ENGL 340 American Literature to the Civil War ................................... 3
ENGL 341 American Literature: Civil War to World War II ........................... 3

British literature before 1900 ( 300 -level or above) …....................................... 3
20th-century British, American or Comparative literature (300-level or above) ...... 3
All English Education majors must take at least one ENGL 480 seminar.
C.OMM 251, 255, 312, or 350 or THEA 102 or 226

LING 101 Introduction to Linguistics
EDUC 201 Diversity in the Classroom........................................................... 3
EDUC 304 Educational Psychology - Social Aspects ........................... 3
EDUC 305 Educational Psychology - Cognitive Aspects ......................... 3
ENGL 183 Grammar for English Teachers ............................................ 2
ENGL 383 Seminar in Teaching English I.................................................. 3
ENGL 384 Seminar in Teaching English II
ENGL 481 Seminar in Teaching English .................................................... 3
EDUC 400 Student Teaching ..................................................................... 9
EDUC 403 Adolescent liter 9
3

To be eligible to student teach, English Education sfudents must have a g.pa of 3.0 in their English major and an overall g.p.a of 275 Students should consult the teacher education program coordinator (see list on $p$ 176) to obtain the student teaching application and other information concerning student teaching policies.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124

## HONORS BACHELOR OF ARTS: ENGLISH DEGREE WITH DISTINCTION IN ENGLISH OR ENGLISH EDUCATION

Eligible students may elect to pursue the Honors degree in English or the Degree with Distinction. Those taking the Honors degree must satisfy all the requirements established by the University Honors Pro-
gram; in addition, they must meet requirements set by the English Department: a minimum of 12 credits in Honors courses in English, not including the thesis (one course must be an Honors Seminar, ENGL 480 Honors); and an Honor thesis.

## REQUIREMENTS FOR A MINOR IN ENGLISH

The English Department also offers a program leading to a minor in English. The course of study for the English minor includes ENGL 202, 205, 206, 324 and two additional courses in literature and composition above the 200 -level. One course must be in British Literature or Cultural and Theoretical Studies, and one course must be in American Literature By earning 15 credits in recommended courses at the 300 -level, a student may minor in Irish Studies. Required courses include ENGL 351 and HIST 373. A student may also minor in Medieval Studies.

## ENVIRONMENTAL SCIENCE

See Geography

## ENVIRONMENTAL STUDIES

See Chemistry and Biochemistry $^{\text {and }}$

## EUROPEAN STUDIES

See Continental European Studies.

## FOREIGN LANGUAGES AND LITERATURES

Modern. The Department of Foreign Languages and Literatures administers major programs leading to the B A. in French Studies, German Studies, Italian Studies, Russian Studies, Spanish Studies, and Three Languages. In addition, the department co-sponsors joint majors in History/Foreign Language and in Political Science/Foreign Language. Honors Degree major programs are also available in Foreign Languages, Foreign Language Education, History/Foreign Languages, and Foreign Language/Political Science. Minors are offered in French, German, Italian, Japanese, Russian, and Spanish and in French Studies, German Studies, and Spanish Studies. Foreign Language Certificate and Honors Foreign Language Certificate programs are offered for students in majors other than foreign languages, and there is an International Honors Certificate program for students majoring in French Studies, German Studies, Spanish Studies, or Political Science and International Relations.

To prepare students to speak, understand, read and write the language they are studying, the Department of Foreign Languages and Literatures uses proficiency-oriented communicative approaches to language learning. Many of the elementary/intermediate courses are team taught, and there are special programs for students at this level who want to continue their language/culture study abroad. A hightech Foreign Language Media Center is available for student use.

All majors and minors are encouraged to spend at least one semester, one winter session, or one summer of study in a country in which the foreign language is spoken natively.
Ancient. The Department of Foreign Languages and Literatures administers major programs in Classical Studies, Classics, Latin Studies, and a minor in Classics. Honors Degree programs are also available. The program offers a liberal education in the fullest sense of that term by giving one the means to identify a problem, solve it without losing sight of its larger implications, express the solution
clearly, and persuade others of its validity. Students of the classics learn habits of accuracy and clarity of expression and in the process grapple with the universal ethical, social, and political problems.

Telephone: (302) 831-2591
http://www.fllt. udel.edu/

## FOREIGN LANGUAGE TEACHER EDUCATION PROGRAMS

The Department of Foreign Languages and Literatures administers the B.A. program in Foreign Language Education leading to certification for teaching French, German, Italian, Latin, Russian, and Spanish in grades K-12 or in secondary schools only. Those students pursuing teaching certification are encouraged to study in the country where their particular foreign language is spoken. Information on study abroad programs is available through the Department of Foreign Languages and Literatures.

## PLACEMENT AND DUPLICATE CREDIT

Students intending to enroll in a foreign language course will be placed according to the number of years of previous study of that language. As a general rule, students with fewer than two years of high school foreign language or the equivalent will be placed at the 105 level, students with two or three years will be placed at the 106-level, and students with more than three years will be placed at the 107level. Exceptions to this rule can be made only upon the recommendation of the Foreign Language Placement Advisor.

No credit will be granted for a 100 -level couse if the student has already successfully completed a 200 -level course or a course higher in the 100 -level sequence in the same language, e.g., credit for a 105 course will not be given if a 106 course has already been successfully completed.

Skipping Courses: Students are advised that once they begin their foreign language courses at the 100 -level, they are not permitted to skip courses in the sequence (for example, students are not permitted to move directly from 105 to 107). The prerequisite for each 100level course must be observed.

It is important to note that only 15 credits of the same elementary/intermediate language will be counted towards the degree

## STUDY ABROAD

In addition to several University-sponsored semester programs abroad in such locations as Costa Rica, London, Paris, Scotland, and Madrid, various programs for study abroad are specifically designed for students of foreign languages.

For the advanced foreign language student, the Department of Foreign Languages and Literatures sponsors fall semester programs in France (Patis), and Spain (Granada), and spring semester programs in Germany (Bayreuth) and Italy (Siena). Beginning and inter-mediate-level students may participate in winter and/or summer session programs in Costa Rica, France, Germany, Italy, Mexico, Japan, Martinique, or Spain.

Students majoring in French, German, Italian, and Spanish are expected to spend a semester abroad, and minors are strongly encouraged to do so

Please consult the main office of the Department of Foreign Languages and Literatures for further details on all programs.

## RESIDENCY REQUIREMENT

At least 15 hours of courses acceptable for credit in the major language and literature, including at least 6 credits at the 400 -level, must be taken on campus or as part of a semester abroad program
sponsored by the Department of Foreign Languages and Literatures. In the case of the three-languages major, at least 12 of the hours must be taken in Language One on campus or as part of a semester abroad program sponsored by the Department of Foreign Languages and Literatures.

## MISCELLANY

Special Interest Housing: Foreign language students who wish to practice their linguistic skills in an informal setting may elect to live in a residence hall housing students with a special interest in a foreign language and culture. In addition to providing an opportunity for daily conversation in the foreign language, these residences sponsor relevant cultural events.

Credit by Examination: Students may receive credit by examination for language courses at the 200 -level and above. The normal prerequisite is foreign study. Native speakers may not receive credits for courses in conversation.

Language Proficiency: For information concerning language proficiency see Requirements for the Degree of Bachelor of Arts, under College of Arts and Science.

Waivers or Substitutions: Waivers or substitutions for any requirements may be requested by seeking recommendation of the advisor and approval of the department chair.

## HONORS BACHELOR OF ARTS: FOREIGN LANGUAGES AND LITERATURES; FOREIGN LANGUAGE EDUCATION; HISTORY/FOREIGN LANGUAGE; FOREIGN LANGUAGE/ POLITICAL SCIENCE

The following B.A. Degrees may be taken as Honors Degrees:

- Foreign Languages and Literatures Concentrations: Classics, French Studies, German Studies, Italian Studies, Latin Studies, Russian Studies, Spanish Studies, Three Languages
- Classical Studies
- French Education
- German Education
- Italian Education
- Latin Education
- Russian Education
- Spanish Education
- History/Classics, French, German, Russian, or Spanish
- French, German, or Spanish/Political Science


## Honors Degree Requirements

To receive the B. A with Honors, students must complete the following: A. All requirements for one of the degrees listed above.
B. All the University's generic requirements for the Honors Degree (see page 43 of this catalog).

1. At least six of the Honors credits in the B. A. in Foreign Languages and Literatures or the B A. in Foreign Language Education must be at the 300 -level or above. The Honors thesis for these degrees will normally be written in the target language; with the prior approval of the thesis director and the Department Chair, the thesis may be written in English.
2. For the joint degree with History, at least six of the Honors credits in the major must be at the 300 -level or above
3. For the joint degree with Political Science, the Honors credits in the majors shall come from both participating departments, and shall include at least two courses at the 300 -level or above. The cumulative grade point average for all courses in the major must be at least 3.400 .

## DEGREE: BACHELOR OF ARTS <br> MAJOR: CLASSICAL STUDIES

CURRICUIUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
GREK 101 Elementary Ancient Greek 1 ......................................................

LATN 213 Intermediate Latin | .............................................................. 3
LATN 214 Intermediate Latin II
Three additional credits in Latin at the 200-or 300-level
Three additional credits in Latin or Greek at the 200-level or above ................ 3
Twenty-one credits
chosen with prior approval of the advisor and according to option requirements, from the following areas: Anthropology ( 3 credits), Art History ( 3 credits), Foreign Languages and Literatures ( 6 credits),
History ( 6 credits), Philosophy ( 3 credits)

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF
Note: See the associate chair of the department for detailed requirements The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: CLASSICS

CURRICULUM
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
GREK 101 Elementary Ancient Greek ..................................................... 3
GREK 102 Elementary Ancient Greek
Eighteen credits in Greek and Latin above the 100-level with six credits.......... 18
at or above the 300-level, and at least six credits in each language
FILT 202 Biblical and Classical Literature ........................................ 3
FLLT 316 Classical Mythology .................................................... 3
FLLT 322 Topics: Classical Literature in Translation ..................................... 3
Six credits from 200-, 300, or 400 -level courses (including ..............
courses in translation) in Foreign Languages and Literatures, Compar-
courses in translation) in Foreign Languages and Literatures, Compar-
ative Literature, Linguistics, or other departments, selected in consultation with the advisor

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: FRENCH STUDIES

For the different options available under the French Sfudies concentration (language and literature, civilization and culture, area studies, period studies, linguistics), students should see their advisor or the associate chair of the department.
CURRICULUM
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Twelve credits in FREN electives at the 200-level and above.12

Twelve credits in FREN literature at the 300 or 400 -level
12
(at least six credits must be at the 400 -level)
A total of twelve to fifteen credits at the 200-level or above, .....................12-15
chosen with prior approval of the advisor and according to option requirements, from the following areas: French, Anthropology, Art History, Comparative Literature, English, Foreign Languages and Literatures, History, Linguistics, Music, Philosophy, Political Science, Thearre

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

Note: See the associate chair of the department for detailed requirements.
The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above

## DEGREE: BACHELOR OF ARTS

## MAJOR: FRENCH EDUCATION

## CURRICULUM

CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
FREN 211 French Reading \& Composition ...................................................... 3

FREN 302 French Literature: Poetry \& Theatre $\ldots \ldots .$.
FREN 314 French Phonetics ............................................................. 3
One of the following courses: ........................................................................ 3
FREN 313 Intensive French Composition
FREN 306 Practical Oral/Written Expression
FREN 305 Advanced French Conversation
Two of the following courses: ................................................................. 6
FREN 308 Contemporary France II
FREN 325 French Civilization I
FREN 326 French Civilization II
FREN 453 French Civilization III
One of the following courses: ............................................................................... 3
FREN 401 Advanced French Grammar
FREN 402 Advanced French Composition
FREN 403 History \& Evolution of French Language
FREN 406 Advanced French Language
LING 440 Structure of French
Six credits in French Literature at the 400-level ......................................... 6
EDUC 201 Diversity in the Classroom.................................................................. 3

EDUC 305 Educational Psychology - Cognitive Aspects ................................ 3
EDUC 400 Student Teaching ................................................
FLLT/LING 421 Methods of Teaching Foreign Languages ...................................

LING/FLLT 424 Second Language Testing ..................................................... 3
For Foreign Language in Elementary School (K-12 certification) option, required courses in addition to above:
FILT/EDUC 429 Mehtods of Teaching Foreign/Second Languages in Elementary Schools

EDUC 202 Human Development l: Grades K-4 ........................................ 3
To be eligible to student teach, Foreign Language Education students must have a g.p.a. of 30 in their French Education major and an overall g.p a of 2.75 Students should consult the teacher education program coordinator (see list on p.176) to obtain the student application and other information concerning student teaching policies.

## ELECTIVES

Affer required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF ..... 124

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: GERMAN STUDIES

For the different options available under the German Studies concentration (language and literature, civilization and culture, area studies, period studies, linguistics), students should see their advisor or the associate chair of the department

## CURRICULUM

See page 78 for University and College requirements. MAJOR REQUIREMENTS
Twelve credits in GRMN electives at the 200-level and above.................. 12
Twelve credits in GRMN literature at the 300 or 400 -level.......................... 12
(at least six credits must be at the 400 -evel)
A total of twelve to fifteen credits at the 200-level or above, .................... 12-15 chosen with prior approval of the advisor and according to option requirements, from the following areas: German, Anthropology, Art History, Comparative Literature, English, Foreign Languages and Literafures, History, Linguistics, Music, Philosophy, Political Science, Thearre.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF
Note: See the associate chair of the department for detailed requirements The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above

## DEGREE: BACHELOR OF ARTS <br> MAJOR: GERMAN EDUCATION <br> CURRICULUM

CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
GRMN 200 German Grammar Review3

GRMN 205 German Conversation
GRMN 211 German Reading and Composifion: Short Fiction. ... 3
GRMN 212 German Reading and Composition: Drama
GRMN 305 German Conversation and Composition . 3

GRMN 306 Practical Oral/Written Expression
GRMN 311/312 Introduction to German Literafure I and II....................... 6
GRMN 308 Contemporary Germany II ................................................ 3
GRMN 325 German Civilization and Culture
GRMN 340 Focus on Genre: German Drama, Prose or Poetry ................... 3
$\stackrel{\text { or }}{\text { RMN } 355}$ Special Topics
One of the following courses: 3
GRMN 403 History of the German Language
GRMN 406 Advanced German Language
LING 460 The Structure of German
Six credits in GRMN literature at the 400-level ........................................ 6
EDUC 201 Diversity in the Classroom....................................................... 3
EDUC 304 Educational Psychology - Social Aspects .... ............................... 3
EDUC. 305 Educational Psychology - Cognitive Aspects .......................... 3
FLLT/LING 421 Methods of Teaching Foreign Languages .......................... 3
FLIT/LING 422 Language Syllabus Design ................................................. 3
LING/FLLT 424 Second Language Testing ..................................................... 3
EDUC 400 Student Teaching 9
For Foreign Language in Elementary School (K-12 certification) option,
required courses in addition to above:
FLLT/EDUC 429 Methods of Teaching Foreign/Second
Languages in Elementary Schools.
EDUC/LING 476 Second Language Acquisition and Bilingualism ................ 3

To be eligible to student teach, Foreign Language Education students must have a g p a of 30 in their German Education major and an overall g.p.a of 2.75 . Students should consult the teacher education program coordinator (see list on p. 176) to obtain the student application and other information concerning student teaching policies.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: ITALIAN STUDIES

For the different options available under the Italian Studies concentration (language and literature, civilization and culture, linguistics, area studies, period studies|, students should see their advisor or the associate chair of the department
CURRICULUM
See page 78 for University and College requirements. MAJOR REQUIREMENTS
Twelve credits in ITAL electives at the 200-level and above .......................... 12
Twelve credits in ITAL literature at the 300 or 400 -level 12

A total of twelve to fifteen credits at the 200-level or above, chosen with prior approval of the advisor and according to option requirements, from the following areas: Italian, Anthropology, Art History, Comparative Literature, English, Foreign Languages and Literatures, History, Linguistics, Music, Philosophy, Political Science, Theatre

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

## CREDITS TO TOTAL A MINIMUM OF

Note: See the associate chair of the department for detailed requirements The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above.

## DEGREE: BACHELOR OF ARTS

MAJOR: ITALIAN EDUCATION
CURRICULUM
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
ITAL 200 Italian Grammar Review ...................................................... 3
or
ITAL 250 introduction to Business Italian
ITAL 205 Italian Conversation ................................................................. 3
ITAL 206 Culture through Conversation
ITAL 211 Italian Reading and Composition: Short Fiction ........................ 3
ITAL 212 Italian Reading and Composition: Drama and Prose
ITAL 305 Advanced Italian Conversation and Composition....................... 3
ITAL 306 Practical Oral/Written Expression
ITAL 3xx Literature ......... ................................................................. 6

ITAL 4xx Literature ............................................................................ 6

EDUC 201 Diversity in the Classroom........................................ ........... 3

EDUC 305 Educational Psychology - Cognitive Aspects ............................ 3
EDUC 400 Student Teaching .................................................................. 9
FLLT/LING 421 Methods of Teaching Foreign Languages .................................. 3
FLLT/LING 422 Language Syllabus Design .......................................................... 3
LING/FLLT 424 Second language Testing ..................................................... 3
For Foreign Language in Elementary School (K-12 certification) option, required courses in addition to above:
FLLT/EDUC $429 \begin{aligned} & \text { Methods of Teaching Foreign/Second } \\ & \text { Languages in Elementary Schools }\end{aligned}$
EDUC/LING 476 Second Language Acquisition and Bilingualism ................... 3
EDUC 202 Human Development I: Grades K-4 .................................. 3
To be eligible to student teach, Foreign Language Education students must have a g.p a of 3.0 in their Italian Education major and an overall g.p.a of 275 . Students should consult the teacher education program coordinator (see list on p. 176) to obtain the student application and other information concerning student teaching policies

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: LATIN STUDIES

For the different options available under the Latin Studies concentrafion (language and literature, area studies, period studies), students should see their advisor or the associate chair of the department CURRICULUM
See page 78 for University and College requirements. MAJOR REQUIREMENTS
Twelve credits in LATN electives at the 200-level and above. ............ . ....... 12
Twelve credits in LATN literature at the 300 or 400 -level ......................... 12
(at least six credits must be at the 400 -level).

A total of twelve to fifteen credits at the 200 -level or above, chosen with prior approval of the advisor and according to option requirements, from the following areas: Latin, Anthropology, Art History, Comparative Literature, English, Foreign Languages and Literatures, History, Linguistics, Music, Philosophy, Political Science, Theatre

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF
Note: See the associate chair of the department for detailed requirements. The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above

## DEGREE: BACHELOR OF ARTS <br> MAJOR: LATIN EDUCATION

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
LATN $2 x x$
6

LATN 421 Latin Prose Composition . .................................................... 3
LATN 431 History of Latin Literature .. ............................................... 3
LATN $4 x x \quad$.................................
EDUC 201 Diversity in the Classroom.
EDUC 304 Educational Psychology - Social Aspects
EDUC 305 Educational Psychology - Cognitive Aspects
EDUC 400 Student Teaching
FLIT/LING 421 Methods of Teaching Foreign Languages
FLIT/LING 422 Language Syllabus Design
LING/FLLT 424 Second Language Testing
For Foreign Language in Elementary School (K-12 certification) option, required courses in addition to above:
FLLT/EDUC $429 \begin{aligned} & \text { Methods of Teaching Foreign/Second } \\ & \text { Languages in Elementary Schools }\end{aligned}$
EDUC/LING 476 Second Language Acquisition and Bilingualism .................. 3
EDUC 202 Human Development I: Grades K-4
To be eligible to student teach, Foreign Language Education students must have a g.p a of 30 in their Latin Education major and an overall g.p. a of 275 Students should consult the feacher education program coordinator (see list on p 176) to obtain the student application and other information concerning student teaching policies.

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: RUSSIAN STUDIES

For the different options available under the Russian Studies concentration (language and literature, area studies, period studies, linguistics), students should see their advisor or the associate chair of the department

CURRICULUM
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
Twelve credits in RUSS electives at the 200-level and above ... ......... ..... 12
Twelve credits in RUSS literature at the 300 or 400 -level ....................... 12
(at least six credits must be at the 400 -level)
FLLT 327 Topics: Russian Literature in Translation ................................... 3
FLLT 375 Topics: Russian and Soviet Culture in Translation ....................... 3
A total of nine credits at the 200 -level or above, chosen 9
with prior approval of the advisor and according to option requirements, from the following areas: Russian, Art History, Comparative Liter ature, English, Foreign Languages and Literatures, History, Linguistics,
Music, Political Science.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF
RUSS 211 Russian Reading and Composition. ..... 3
RUSS 305 Russian Conversation and Composition ..... 3
3
Six credits in RUSS literature at the 400-level ..... 6
One of the following courses: ..... 3
RUSS 200 Russian Grammar ReviewRUSS 205 Russian ConversationTwo of the following courses:..6
RUSS 310 Introduction to Russian Literature 1RUSS 312 Introduction to Russian Literature ilRUSS 325 Russian Civilization and Culture
FLLT 327 Topics: Russian Literature in Translation ..... 3
FLLT 375 Topics: Russian and Soviet Culture in Translation ..... 3
EDUC 201 Diversity in the Classroom.. ..... 3
EDUC 304 Educational Psychology - Social Aspects ..... 3
EDUC 305 Educational Psychology - Cognitive Aspects$\begin{array}{r}3 \\ 3 \\ \hline\end{array}$
EDUC 400 Student Teaching3
9
FLIT/LING 421 Methods of Teaching Foreign Languages ..... 3
FLIT/LING 422 Language Syllabus Design ..... 3
LING/FLLT 424 Second Language Testing ..... 3
For Foreign Language in Elementary School (K-12 certification) option,required courses in addition to above:
FLIT/EDUC 429 Methods of Teaching Foreign/SecondLanguages in Elementary Schools3
EDUC/LING 476 Second Language Acquisition and Bilingualism ..... 3EDUC 202 Human Development 1: Grades K-4
To be eligible to student teach, Foreign Language Education students musthave a g.pa of 30 in their Russian Education major and an overallg.p.a. of 275 Students should consult the teacher education programcoordinator (see list on p. 176) to obtain the student application and otherinformation concerning student teaching policies
ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF .

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: SPANISH STUDIES

For the different options available under the Spanish Studies concentration (language and literature, civilization and culture, Spanish area studies, Latin American area studies, period studies, linguistics), students should see their advisor or the associate chair of the department.
CURRICULUM
See page 78 for Universify and College requirements.
MAJOR REQUIREMENTS
Twelve to fifteen credits in SPAN electives at the 200-level and above........ 12-15
Twelve credits in SPAN literature at the 300 or 400 -level
(at least six credits must be at the 400 -level)
A total of twelve to fiffeen credits at the 200-level or above, ..................12-15
chosen with prior approval of the advisor and according to option require-
ments, from the following areas: Spanish, Anthropology, Art History, Com-
parative Literature, English, Foreign Languages and Literatures, History,
Linguistics, Music, Philosophy, Political Science, Theatre

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

## CREDITS TO TOTAL A MINIMUM OF

Note: See the associate chair of the depariment for detailed requirements.
The faculty of each program shall determine specific course requirements, which may be more stringent than those listed above

## DEGREE: BACHELOR OF ARTS <br> MAJOR: SPANISH EDUCATION

## CURRICULUM

CREDITS

## See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

SPAN 201 Spanish Reading and Composition ..... 3
200 is a prerequisite
SPAN 305 Oral Communication ..... 3SPAN 306 Practical Oral/Written Expression
SPAN 314 Spanish Phonetics and Phonology ..... 3
One of the following courses: ..... 3
SPAN 308 Contemporary Spain II
Spanish Civilization and CultureSPAN 326 Latin American Civilization and Culture
Any three of the following four literature survey courses: ..... 9
SPAN 301 Survey of Spanish Literature
SPAN 302 Survey of Spanish Lierarure
SPAN 303 Survey of Spanish-American Literature3
SPAN 304 Survey of Spanish-American Literature
One of the following courses: ..... 3
SPAN 401 Advanced Spanish Grammar
SPAN 403 History of the Spanish LanguageSPAN 406 Advanced Spanish Language
Six credits in SPAN literature at the 400-level ..... 6
EDUC 201 Diversity in the Classroom ..... 3
EDUC 304 Educational Psychology - Social Aspects ..... 3
EDUC 305 Educational Psychology - Cognitive Aspects ..... 3
EDUC 400 Student Teaching9
FLIT/LING 421 Methods of Teaching Foreign Languages ..... 3
$\begin{array}{ll}\text { FLLT/LING } 422 & \text { Language Syllabus Design } \\ \text { LING/FLIT } 424 & \text { Second Language Testing }\end{array}$ .....  3For Foreign Language in Elementary School (K-12 certification) option,required courses in addition to above:
FLIT/EDUC 429 Methods of Teaching Foreign/SecondLanguages in Elementary Schools3
EDUC/LNG 476 Second language Acquisition and Bilingualism
3
3
EDUC 202 Human Development I: Grades K-4

To be eligible to student teach, Foreign Language Education students must have a g pa of 30 in their Spanish Education major and an overall g pa of 275 Students should consult the teacher education program coordinator (see list on p.176) to obtain the student application and other information concerning student teaching policies

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES
CURRICUIUMCREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
First Language
Six first-language elective credits at the 200 -level and above ..... 6
Nine credits in literature of the 300 and 400 -level ..... 9
(at least three credits at each level)
Three additional credits at the 400 -level ..... 3
Second Language
Six second-language elective credits at the 200-level and above ..... 6
Nine credits in literature at the 300 and 400 -level ..... 9
(at least three credits at each level)
Three additional credits at the 400 -level. ..... 3
Third Language
Nine to twelve credits of third-language courses (at least three ..... 9.12

## Related Work

 Comparative Literature, or Linguistics, selected in consultation with the advisor

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY/CLASSICS, FRENCH, GERMAN, RUSSIAN, OR SPANISH
CURRICULUM
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

HIST 101 Western Civilization to 1648 ................................................. 3
HIST 102 Western Civilization: 1648 to the Present
Five 300 -level courses, at least two of which must deal with
countries that use the chosen foreign language .................. ..................... 15

(excluding HIST 491 and 493 and Independent Study)
One of the following language options:
Classics
Civilization: Two classical civilization (or culture) courses: e.g.,
FLLT 202 (Biblical and Classical Literature) and FLLT 316 (Mythology) ...... 6
Literature: Either 9 credits of Latin at the 200-level or above and 3
credits of Latin at the 300 -level or above, or GREK 213 and
GREK 214 and 6 credits of Latin at the 200 -level or above .12

## French

Civilization: FREN 325 (French Civilization I), or FREN 326
(French Civilization II) or FREN 453 (French Civilization III)3

Literature: FREN 301 (Introduction to French Literature: Prose)
and FREN 302 (Introduction to French Literature: Poetry and Theatre) ....... 6
400 -level literature course
Two courses at the 200, 300, or 400-level .......................................... 6

## German

Civilization: GRMN 325 (German Civilization and Culture) .......................... 3
Literature: GRMN 311 (Introduction to German Literature I)
and GRMN 312 (Introduction to German Literature II)
and GRMN 312 (Introduction to German Literature II) .............................. 6


## Russian

Civilization: RUSS 325 (Russian Civilization) ................................................ 3
Literature: RUSS 310 (Introduction to Russian Literature I)

Two courses at the 200, 300, or 400 -level

## Spanish

Students must choose either the Peninsular $(325,301,302)$ or the Latin American $(326,303,304)$ frack
Civilization: SPAN 325 (Spanish Civilization and Culture) or SPAN 326 (Latin American Civilization and Culłure) 3
Literature: SPAN 301 (Survey of Spanish Literature) and
SPAN 302 (Survey of Spanish Literature)
or
SPAN 303 (Survey of Spanish-American Literature) and
SPAN 304 (Survey of Spanish-American Literature)
-........... 6
Two courses at the 200, 300, or 400-level

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
Honors Degree: An Honors Degree option is also available; see page 94
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS

MAJOR: FRENCH, GERMAN, OR SPANISH/POLITICAL SCIENCE
CURRICULUM
CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

French, German, or Spanish/Political Science majors must complete all designated courses and any prerequisite courses (e g, for admission to the 200 -level language courses) with no grade below a C.
POSC 105 The American Political System .................................... 3
POSC 240 Introduction to International Relations ............................ 3
POSC 270 Comparative Politics ...................................................................

POSC 441 Problems of Western European Politics by Country ................... 3 or
POSC 442 Problems of Western European Politics
3 additional courses at the 300 or 400 -level with at least 2 at the 400 -level and at least 2 in the area of International Relations

## One of the following language options:

## French

FREN 2xx, 3xx, 4xx (prior to semester abroad) ......... ............................ 6
FREN 3xx, 4xx
FREN $4 x x$ (literature) (Newark campus only) ............... . ................... ...... 3

## German

GRMN 2xx, 3xx, 4xx (prior to semester abroad) ...... ............................ 6
GRMN 3xx, 4xx
GRMN 4xx (literature) (Newark campus only) ........................................... 3

## Spanish

SPAN 2xx, 3xx, 4xx (prior to semester abroad) ......................................... 6

12
SPAN 4xx (literature) (Newark campus only) ....... .............. .. ...................... 3
In addition to completing one of the language options above, students
are required to participate in a semester abroad program sponsored
by the Department of Foreign Languages and Literatures (in Paris, or
the equivalent, for French; in Bayreuth, or the equivalent, for German; in Granada, or the equivalent, for Spanish)
The following courses taken abroad count toward the French, German, or Spanish/Political Science major:

## Polifical Science

POSC 441

## French

FREN 306 or FREN 406
FREN 308
FREN 355 or FREN 455
HIST 339

## German

GRMN 306 or GRMN 406
GRMN 308
GRMN 355 or GRMN 455
HIST 339

## Spanish

SPAN 306 or SPAN 406
SPAN 308
SPAN 355 or SPAN 45.5
HIST 339

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
Honors Degree: An Honors Degree option is available for the B A in French, German, or Spanish/Political Science [see page 94]
CREDITS TO TOTAL A MINIMUM OF

## MINORS

Foreign Language Minors: An advisor on minors for each language will help students tailor the chosen minor program to their needs. A minor in a foreign language requires a minimum of 18-21 credits at the 200 level or above, as follows:

CLASSICS: 18 credits including 12 credits in Latin and/or Greek at or above the 200 -level and 6 credits in FLLT courses, with one course at or above the 300 -level.

FRENCH: 18 credits above the 100 -level including FREN 211, FREN 301 and 302, one course at the 300 or 400 -level, and one other 400-level course.

GERMAN: 18 credits above the 100 -level including GRMN 311 or GRMN 312, one other 300 -level course, one 400 -level literature course, and one other 400 -level course.

ITALIAN: 18 credits composed of ITAL 211 or 212; two additional courses at the 200,300 or 400 -level; one 300 -level literature course; one 300 or 400 -level course; and one 400 -level course.

JAPANESE: 18 credits; including 15 credits in JAPN courses at the 200 -level or above, with at least 6 of those credits at the 300 -level or above, plus 3 credits in a Japan-related FLLT course.

RUSSIAN: 18 credits composed of two Russian courses at the 200 -level; three courses at the 300 or 400 -level, one of which must be a 400 -level course; and 3 credits of related work (e.g., Russian history, political science, art, music, etc.).

SPANISH: 21 credits including SPAN 200, SPAN 201 and an additional 200 -level course; two 300 -level courses (one must be a Survey of Literature) and two 400-level courses (one must be a literature course).
Foreign Language Studies Minors: The Foreign Language Studies (FLS) minor (in French, German or Spanish) requires participation in a UD Department of Foreign Languages and Literatures sponsored semester abroad program. See the Foreign Languages and Literatures Study Abroad Coordinator for details and prerequisites. Credit requirements for the FLS minors are as follows:

## FRENCH STUDIES MINOR

FREN $2 x x, 3 x x, 4 x x$
6
FREN 306 or 406
FREN 308
Three of: ARTH 339, FREN 355, FREN 455, HIST 339, POSC 441
Minors in French Studies are required to take at least one literature course at the $300-l e v e l$ or above.
Note: A student cannot receive both a French Minor and a French Studies Minor.

## GERMAN STUDIES MINOR

GRMN 2xx, 3xx, 4xx
GRMN 306 or 406
GRMN 308
Three of: ARTH 339, GRMN 355, GRMN 455, HIST 339, POSC 441

$$
\frac{1}{21}
$$

Minors in German Studies are required to take at least one literature course at the 300 -level or above.
Note: A student cannot receive both a German Minor and a German Studies Minor.

## SPANISH STUDIES MINOR

SPAN 2xx, $3 x x$, $4 x x$................................................................ 6
SPAN 306 or 406

$\begin{array}{r}3 \\ \ldots 9 \\ \hline \ldots\end{array}$
Minors in Spanish Studies are required to take at least one literature course at the 300 -level or above.
Note: A student cannot receive both a Spanish Minor and a Spanish Studies Minor:

## INTERNATIONAL HONORS CERTIFICATES

For majors in Foreign Languages and Literatures (French Studies, German Studies, Spanish Studies) or Political Science and International Relations. This program requires participation in a semester program abroad (in Paris for French, Bayreuth for German, or Granada for Spanish).

18 credits of Honors courses at the 300 -level or above are required for this interdisciplinary certificate, 9 in a foreign language (French, German, or Spanish), and 9 in Political Science or International Relations.

Information is available in the Foreign Languages and Literatures Department office

## FOREIGN LANGUAGE AND <br> HONORS FOREIGN LANGUAGE CERTIFICATES

The Foreign Language Certificate Program and the Honors Foreign Language Certificate Program are intended to enhance the international dimension of the baccalaureate program for students in majors other than foreign languages by providing them with some first-hand knowledge of a foreign language and a foreign culture.

Students pursuing a major in the Department of Foreign Languages and Literatures or a minor in the language of the certificate are not eligible for these certificates.

To earn a Bachelor's degree with a Foreign Language Certificate in French, German, Italian, Japanese, or Spanish, a student is required to complete a designated sequence of four courses at the 200 - and 300 -levels. This is accomplished through a combination of two courses taken during Study Abroad Sessions in France, Martinique, Germany, Italy, Japan, Spain, or Latin America, and two courses taken on the Delaware campus. A qualified student must complete the designated sequence of four 200- or 300 -level French, German, Italian, Japanese, or Spanish courses with no grade below a C .

To earn a Bachelor's degree with an Honors Foreign Language Certificate in French, German, Italian, Japanese, or Spanish, a qualified student must:

1. Complete the designated sequence of four 200- or 300 -level French, German, Italian, Japanese, or Spanish courses with no grade below a $B$ -
2. Take all four of these courses for Honors credit.
3. Achieve a 3.000 cumulative grade index by the time of completion of the course requirements.

The Honors Foreign Language Certificate can be earned in addition to other kinds of Honors Certificates. Honors courses taken in the sequence leading to the Honors Foreign Language Certificate can also be applied toward those required for other forms of Honors recognition.
French Certificate Course (France or Marfinique)
Study Abroad Session in Caen, France or Fort de France, Martinique: ..... CREDITS
FREN 206 Culture through Conversation3
and one of the following:
FREN 207 Contemporary Caribbean World (Martinique) ..... 3
FREN 208 Contemporary France I (France) ..... 3
Delaware Campus:
FREN 211 (or higher) French Reading and Composition ..... 3
3FREN 3xx.3
German Certificate Courses
Study Abroad Session in Bayreuth, Germany: ..... CREDITS
GRMN 206 Culture through Conversation ..... 3
GRMN 208 Contemporary Germany I ..... 3
Delaware Campus3
GRMN 211 (or higher) German Reading and Composition: Short Fiction
GRMN 3xx ..... 3

## Italian Certificate Courses

Alternate Plan for Italian Certificate
Spring Semester in Siena: ..... CREDITS
ITAL courses at the 200 - 300 - or 400 -level ..... 9
plus one of the following, also taught abroad:
ARTH 339 Art and Architecture of Europe ..... 3
HIST 339 Topics in Modern European History ..... 3
3
Japanese Certificate Courses
Study Abroad Session in Kobe, Japan: ..... CREDITS
JAPN 206 Culture through Conversation ..... 3
3
Delaware Campus:
JAPN 200 (or higher) Japanese Grammar and Composition3
3
JAPN 3xx
Spanish Certificate Courses (Spain or Latin America)
Shudy Abroad Session in Spain or Latin America:CREDITSCREDITS
SPAN 206 Culiure through Conversation ..... 3
and one of the following:
SPAN 207 Contemporary Latin America I3
SPAN 208 Contemporary Spain I ..... 3
Delaware Campus.
SPAN 201 (or higher, excluding 205) Spanish Reading and Composition ..... 3
SPAN 3xx ..... 3

## GEOGRAPHY

The Department of Geography offers B A. programs in Geography and Geography Education, as well as a minor in geography. The Department also co-sponsors the B.S degree program in Environmental Science, and participates in other interdepartmental opportunities.

Geographers investigate processes that explain the location of human and natural phenomena, as well as the interactions between people and their environment. A broad range of interests characterizes geography and reflects its position simultaneously in the natural sciences, social sciences, and humanities.

Students who major in geography may, if they choose, specialize. The department has an excellent program in climatology, for instance, and research may be undertaken through its Center for Climatic Research. Other areas include environmental studies, biogeography, conservation, cultural-historical geography, urban geography and geomorphology. Computer skills, such as geographic information systems, cartographic and other skills also are studied by geography majors. Students are required to take an introductory sequence of courses to provide a common background for all majors. During the senior year, majors may, at their option, undertake a research paper under the direction of their program advisors. A detailed brochure describing the geography program and requirements is available upon request from the department office.

Telephone: (302) 831-2294
http://www udel.edu/Geography/geog html

## BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

Complementing the B.A programs in Geography, the Geography Department, in cooperation with the Geology Department and the Department of Biology, offers a B.S degree in Environmental Science. The program emphasizes a broad scientific understanding of the character, function, and analysis of environmental systems. It is hoped that Environmental Science B.S. students will be able to contribute to society's understanding of and solutions to problems that arise from the human occupance and use of the environment.

## INTERDEPARTMENTAL AND DOUBLE MAJORS

$\mathbf{A}_{\mathrm{n}}$ interdepartmental major, for students having interests in two areas, requires 21 credits each in geography and in one other department in the college plus 9 more elective credits, approved by both departments. Of the minimum of 21 credits in geography, a student must take 9 credits from the foundation level, of which one course must be from the Natural Geography area, one course from the Human Geography area, and one course from the Methods area. Nine more geography credits must be taken at the $300 / 400$-level. The remaining three geography credits may be chosen from any 200-, 300 -, or 400 -level course.

Students may also declare a double major with another department in the College of Arts and Science, provided they satisfy the requirements of both geography and their second major field. Departmental requirements for the double major are identical to those for the major:

## DEGREE: BACHELOR OF ARTS MAJOR: GEOGRAPHY <br> CURRICULUM

CREDITS

## See page 78 for University and College requirements. MAJOR REQUIREMENTS

Two of the following natural geography courses
GEOG 101 Physical Geography: Climatic Processes
GEOG 106 Physical Geography: Land Surface Processes
GEOG 152 Climate and Life
GEOG 220 Meteorology
GEOG 230 Humans and the Earth Ecosystem
GEOG 235 Conservation of Natural Resources
GEOG 255 Applied Climatology
Two of the following human geography courses:
GEOG 102 Human Geography
GEOG 120 World Regional Geography
GEOG 203 Cultural Geography
GEOG 210 Economic Geography
GEOG 225 Histoticäl Geography of the United States
GEOG 236 Conservation: Global Issues
One of the following methods courses:
GEOG 250 Computer Methods in Geography
GEOG 270 Map Communication and Design
GEOG 272 Map and Air Photo Interpretation
Nine credits selected from geography courses.9
at the 300 or 400 -level (GEOG 445 strongly recommended)
Six elective credits selected from geography courses 6
at the 200,300 , or 400 -level

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF .

## DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY EDUCATION

## CURRICULUM

## See page 78 for University and College requirements. MAJOR REQUIREMENTS

Two of the following natural geography courses:
GEOG 101 Physical Geography: Climatic Processes
GEOG 106 Physical Geography: Land Surface Processes
GEOG 152 Climate and Life
GEOG 220 Meteorology
GEOG 230 Humans and the Earth Ecosystem
GEOG 235 Conservation of Natural Resources
GEOG 255 Applied Climatology
Two of the following human geography courses:
GEOG 102 Human Geography
GEOG 120 World Regional Geography

GEOG 203 Cultural Geography
GEOG 210 Economic Geography
GEOG 225 Historical Geography of the United States
GEOG 236 Conservation: Global Issues
One of the following methods courses: ................. ....... .................................. 3-4
GEOG 250 Computer Methods in Geography
GEOG 270 Map Communication and Design
GEOG 272 Map and Air Photo Interpretation .......................................... 3
Nine credits selected from geography courses ............................................. 9 at the 300 or 400 -level (GEOG 445 strongly recommended)
Six credits selected from geography courses ..................................................... 6 at the 200,300 , or 400 -level
ECON 151 Introduction to Microeconomics ................................................. 3

POSC 105 The American Political System .............. . ...................... 3
HIST 104 World History 1648 to Present...

Additional credits as follows:................................................................. 12
3 credits in ECON, 6 credits in POSC, 3 credits in HIST
EDUC 201 Diversity in the Classroom ....................................................... 3
EDUC 304 Educational Psychology - Social Aspects
EDUC 305 Educational Psychology - Cognitive Aspects .............................. 3
HIST 491 Planning a Course of Instruction................................................ 3
HIST 493 Seminar: Problems in Teaching History and Social Sciences ....... 3
EDUC 420 Reading in the Content Areas ................................................... 1
EDUC 400 Student Teaching
To be eligible to student teach, Geography Education students must have a g p.a. of 3.0 in their major and an overall g.p a. of 275 Students should consult the teacher education program coordinator (see list on p. 176) to obtain the student teaching application and other information concerning student teaching policies

CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR THE MINOR IN GEOGRAPHY

A minimum of 18 credits of course work in geography must be completed for a minor. Nine credits must be taken at the foundation level, with three credits from each of the foundation areas (Natural Geography, Human Geography, Methods). Nine more geography credits must be taken at the 300/400-level
DEGREE: BACHELOR OF SCIENCEMAJOR: ENVIRONMENTAL SCIENCECURRICULUMCREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-) ..... 3
3
Three credits in an approved course or courses stressing ..... 3COLLEGE REQUIREMENTS
Writing: (minimum grade C -) ..... 3
A second writing course involving significant writing experience includ-ing two papers with a combined minimum of 3,000 words to be submit-ted for extended faculty critique of both composition and content. Thiscourse must be taken after completion of 60 credit hours. Appropriatewriting courses are normally designated in the semester's RegistrationBooklet. (See list of courses approved for second writing requirement,page 81.)
Foreign Language: ..... $0-12$
Completion of the intermediate-level course (107 or 112 or 214) in a given language. Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination
Breadth Requirements [See page 83]

Understanding and appreciation of the creative arts and humanities. At least two areas must be represented


GEOL 460 Field Geology in the Western States
MAST 482 Introduction to Ocean Sciences
PHYS 208 Fundamentals of Physics II
PLSC 204 Introduction to Soil Science
POSC 350 Politics and the Environment
MATH 241/242/243 Analytic Geometry and Calculus ... .... ................. 12
CHEM 103/104 General Chemistry .... ................................................. 8
PHYS 207 Fundamentals of Physics I... .................................................. 4
or
PHYS 201 Introductory Physics I
One of the following six courses:
MATH 302 Ordinary Differential Equations
MATH 349 Elementary Linear Algebra
STAT 450 Statistics for Engineering \& Physical Sciences
STAT 475 Statistics for Environmental Sciences
STAT 656 Biostatistics
STAT 657 Statistics for Earth Sciences
ELECTIVES
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## GEOLOGY

The Department of Geology offers B.A. degrees in geology (including a B A with a concentration in paleobiology) and in earth science education. The Department offers B.S. degrees in geology and geophysics (jointly with the Physics Department), and a minor in geology. Environmental Science majors can concentrate in geology while earning a B.S. in Environmental Science.

Advanced undergraduate geology students are encouraged to undertake research, under the supervision of the faculty, in areas such as geochemistry, geophysics, igneous and metamorphic petrology, micropaleontology and paleontology, mineralogy, paleomagnetics, sedimentary petrology, stratigraphy, and structural geology. As an additional resource, the Department maintains close ties with the Delaware Geological Survey and with the College of Marine Studies.

In view of the close relationship between geology and other disciplines, interdepartmental and double majors are encouraged. Various interdisciplinary programs within the field of geology are also possible. Examples of such programs include paleobiology, geochemistry, and geophysics. Students interested in any of these programs should contact the Geology Department for information.

Telephone: (302) 831-2569
http://www.udel edu/geology/geology.html

## BACHELOR OF SCIENCE DEGREE IN GEOPHYSICS

The Geology Department, jointly with the Physics Department, offers a B S. degree in geophysics. Geophysics involves the use of seismic, gravity, magnetic, and electrical methods to study the structure and tectonic evolution of the earth. The geophysics program is designed to produce students well-grounded in both geology and physics, but specifically trained in geophysical principles and techniques.

## DEGREE: BACHELOR OF ARTS MAJOR: GEOLOGY

CURRICULUM CREDITS
Superior figures indicate year or years in which the course is normally taken, i.e., 1 freshman year, ${ }^{2}$ sophomore year, etc
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
GEOL 107 General Geology 1........................................................ $4^{1}$
$\begin{array}{ll}\text { GEOL } 203 & \begin{array}{l}\text { Mineralogy and Crystallography } \\ \text { GEOL } 204\end{array} \\ \text { Properties of Rocks and Minerals }\end{array}$

| GEOL 301 | Systematic and Evolutionary Paleontology | 33 |
| :---: | :---: | :---: |
| GEOL 303 | Sedimentology ........... | 3 |
| GEOL 304 | Stratigraphy | 33 |
| GEOL 305 | Structural Geology | 3 |
| GEOL 402 | History of the Earth | $3^{4}$ |
| GEOL 407 | Igneous and Metamorphic Petrology | $3^{4}$ |
| GEOL 452 | Plate Tectonics and Geophysics | $3^{4}$ |
| Three credit see departm GEOL 432 | of field geology (taught only in the summer; at chair for other acceptable courses): Recent Sedimentary Environment | $3^{3,4}$ |
| GEOL 460 | Field Geology in the Western States |  |
| $\begin{aligned} & \text { CHEM 103/104 } \\ & \text { PHYS 201/202 } \end{aligned}$ | 04 General Chemistry 02 Introductory Physics | 8 8 8 |
| Mathematics courses through college-level trigonom |  | 3-4 ${ }^{1}$ |

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124

## DEGREE: BACHELOR OF ARTS MAJOR: GEOLOGY CONCENTRATION: PALEOBIOLOGY

Superior figures indicate year or years in which the course is normally taken, i e., ${ }^{3}$ freshman year, ${ }^{2}$ sophomore year, etc.
See page 78 for University and College requirements.
MAJOR REQUIREMENTS

| GEOL 107 | General Geology 1 | 41 |
| :---: | :---: | :---: |
| GEOL 203 | Mineralogy and Crystallography | 32 |
| GEOL 204 | Properties of Rocks and Minerals | 2 |
| GEOL 301 | Systematic and Evolutionary Paleontology | 3 |
| GEOL 303 | Sedimentology | $3^{3}$ |
| GEOL 304 | Stratigraphy | $3^{3}$ |
| GEOL 305 | Structural Geology | 3 |
| GEOL 402 | History of the Earth | 3 |
| GEOL 466 | Independent Study | $3^{4}$ |

Three credits of field geology (taught only in the summer;

see department chair for other acceptable courses)
$\begin{array}{ll}\text { GEOL } 432 & \text { Recent Sedimentary Environment } \\ \text { GEOL } 460 & \text { Field Geology in the Western State }\end{array}$
BISC 207/208 Introductory Biology I and II ................................................. $8^{1}$


BISC 302 General Ecology
BISC 324 Invertebrate Zoology ............................................................................... $4^{4}$
BISC 442 Vertebrate Morphology (recommended) ............................. 3
BISC 495 Evolution ...........................................................................................
STAT 201/202 Introduction to Statistics I and II $\cdots \cdots \cdots \cdots$
CHEM 103/104 General Chemistry ............................................... 8
MATH 115 Pre-calculus 31

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirements for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: GEOLOGY

CURRICULUM
Superior figures indicate year or years in which the course is normally taken, i e., 1 freshman year, ${ }^{2}$ sophomore year, etc

## UNIVERSITY REQUIREMENTS

$\begin{array}{lll}\text { ENGL } 110 & \text { Critical Reading and Writing (minimum grade C-) } & 3^{1} \\ \text { Three credits in an approved course or courses stressing } & \ldots & . . . . . . . . . . . . . . . . . . . . . . . . . . ~\end{array} 3^{1-4}$
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade $C$-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81).

## Foreign Language:

$0-12^{1-4}$
Completion of the intermediatelelevel course ( 107 or 112 or 214 ) in a given language. Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.
Breadth Requirements (See page 83)
A total of eighteen credits from Groups $A, B$ and $C$ is
required with six credits in each group. The six credits from each group could be from the same area:
Group A: Understanding and appreciation of the creative arts and humanities.
Group B: The study of culture and institutions over time.
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

| GEOL 107 | Ge | $4{ }^{1}$ |
| :---: | :---: | :---: |
| GEOL 203 | Mineralogy and Crystallography | 32 |
| GEOL 204 | Properties of Rocks and Minerals | 42 |
| GEOL 301 | Systematic and Evolutionary Paleontology | $3^{3}$ |
| GEOL 303 | Sedimentology | 33 |
| GEOL 304 | Stratigraphy | 33 |
| GEOL 305 | Structural Geology | $3^{3,4}$ |
| GEOL 402 | History of the Earth | $3^{4}$ |
| GEOL 407 | Igneous and Metamorphic Petrology | 34 |
| GEOL 452 | Plate Tectonics and Geophysics ...... | $3^{3,4}$ |
| Six credits from the following: |  | $6^{3,4}$ |

Six credits from the following:
(see department chair for other acceptable courses)
GEOL 460 Field Geology in the Western States
GEOL 432 Recent Sedimentary Environments
Geology courses ( $400-$ level)
MATH 241 Analytic Geometry and Calculus A ............................ $4^{1}$
CHEM 103/104 General Chemistry
PHYS 201 Introductory Physics I
Two of the following: $\quad 8$
MATH 242 Analytic Geometry and Calculus B
PHYS 202 Introductory Physics II
STAT 205 Statistical Methods
Two of the following:. ............................................................................ 7-8 $8^{2-4}$
BISC 207 Introductory Biology |
BISC 208 Introductory Biology II
Elective supporting science course
(see department chair for a list of approved courses)

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF .

## REQUIREMENTS FOR THE MINOR IN GEOLOGY

The minor consists of at least 18 credit hours in geology. The requirements are: GEOL 107; GEOL 203; at least two of the following: GEOL 204, 301, 303, 304, 305; any 400-level geology course or courses must be used to obtain the remaining credits to reach a total of 18 .

## DEGREE: BACHELOR OF ARTS

## MAJOR: EARTH SCIENCE EDUCATION

CURRICULUM
Superior figures indicate year or years in which the course is normally
taken, i e, Ifreshman year, ${ }^{2}$ sophomore year, etc.
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
GEOG 101 Physical Geography: Climatic Processes ..................................4
GEOL 105/115 General Geology and Laboratory

GEOL 107 General Geology

GEOL 106/116 General Geology and Laboratory …............................. $4^{1}$
GEOL 203 Mineralogy and Crystallography
GEOG 220 Meteorology
GEOG 235 Conservation of Natural Resources.
GEOL 303 Sedimentology

| $\begin{gathered} \text { GEOG } 343 \\ \text { or } \end{gathered}$ | Climatic Geomorphology | $3^{1-4}$ |
| :---: | :---: | :---: |
| GEOG 255 | Applied Climatology |  |
| PHYS 133 | Introduction to Astronomy | $4^{1,2}$ |
| PHYS 201/202 | 02 Introductory Physics I and II | 81,2 |
| CHEM 103 | General Chemistry | $4^{1,2}$ |
| BISC 195 | Biological Evolution | $3^{1-4}$ |
| MATH 221 | Calculus I........ | 31.2 |
| MAST 200 | The Oceans. | $3^{1-4}$ |
| One of the foll | lowing: | $3^{3,4}$ |
| (see deparime | ent chair for other acceptable courses) |  |
| GEOL 432 | Recent Sedimentary Environments |  |
| GEOL 460 | Field Geology in the Western States |  |
| EDUC 201 | Diversity in the Classroom | $3^{1-4}$ |
| EDUC 304 | Educational Psychology - Social Aspects | $3^{1-4}$ |
| EDUC 305 | Educational Psychology - Cognitive Aspects | $3^{1-4}$ |
| SCEN 491 | Teaching Science in Secondary Schools |  |
| EDUC 420 | Reading in the Content Area ............... | $1{ }^{1-4}$ |
| EDUC 400 | Student Teaching | $9^{4}$ |

To be eligible to student teach, Earth Science Education students must have a g.p.a. of 275 in their geology, geography, marine studies, and biological science courses and an overall g pa of 2.5. Students should consult the teacher education program coordinator (see list on p. 176) to obtain the student teaching application and other information concerning student teaching policies
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF SCIENCE

MAJOR: GEOPHYSICS
CURRICULUM
CREDITS
Superior figures indicate year or years in which the course is normally taken, i.e., ${ }^{1}$ freshman year, ${ }^{2}$ sophomore year, etc.

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade $\mathrm{C} \mid$
Three credits in an approved course or courses stressing
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade $C$-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours.. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81.)
Breadth Requirements (See page 83)
A total of eighteen credits from Groups $A, B$ and $C$ is
required with six credits in each group. The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities
Group B: The study of culture and institutions over time.
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

## Within the Department



One of the following three courses:
GEOL 301 Systematic and Evolutionary Paleontology GEOL 304 Stratigraphy
GEOL 407 Igneous and Metamorphic Petrology

| PHYS 207/ | 08/209 Fundamentals of Physics I, II, and III | ,2 |
| :---: | :---: | :---: |
| PHYS 208 | Fundamentals of Physics II.................... ....... | 42 |
| PHYS 209 | Fundamentals of Physics Ill | 32 |
| PHYS 645 | Electronics for Scientists | $3^{3,4}$ |
| PHYS 646 | Instrumentation for Scientists |  |

One of the following four courses: ..... $3-4^{3,4}$
PHYS 313 Physical Optics
PHYS 603 Electricity and Magnetism I(If PHYS 603 is selected, PHYS 604 is strongly encouraged as an elective course)
PHYS 616 Kinetic Theory and Thermodynamics
PHYS 631 Acoustics
CISC 106 General Computer Science for Engineers ..... $3^{1,2}$
MATH 241/242/243 Analytic Geometry and Calculus A, B and C MATH 302 Ordinary Differential Equations I. ..... $122^{2}$
$4^{2}$
CREDITS TO TOTAL A MINIMUM OF ..... 125

## HISTORY

The History Department offers several options to its undergraduate students. In addition to the regular major, students can choose a concentration in American, European, Global, or Policy history. In conjunction with the College of Human Resources, Education and Public Policy, it offers a History Education program for those choosing careers as secondary school social studies teachers Collaboration with the Department of Foreign Languages and Literatures has resulted in a major combining languages with the history of the regions in which those languages are spoken. Together with the Department of English, the History Department administers a History/Journalism concentration. Honors Degree options are available for all majors and concentrations. The department also maintains an advisory program for prelaw students majoring in history.

The department encourages interdepartmental or double majors that enable a student to develop competence in two areas, such as history and art history, or history and literature A Degree with Distinction is also possible. An advisor in the History Department can provide details.

Telephone: (302) 831-2371
http://www.udel edu/clio/

## DEGREE: BACHELOR OF ARTS MAJOR: HISTORY

CURRICULUM ..... CREDITSSee page 78 for University and College requirements.MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 ..... 3
HIST 102 Western Civilization: 1648 to the Present .....  3
HIST 268 Seminar ..... 3
History course on the history of Asia, Africa, Latin America, or the Ancient World ..... 3
History courses at or above the 300-level ..... 12
History seminar at the 400 -level or above .....  3
(excluding HIST 491 and 493 and Independent Study) History coúrse ..... 3
ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY
CONCENTRATION: AMERICAN HISTORY
CURRICULUM ..... CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 ..... 3
HIST 102 Western Civilization: 1648 to the Present3
HIST 268 Seminar ..... 3
History course on the history of Asia, Africa, Latin America, ..... 3
Seven courses in the field of emphasis. With written approval of the advisoa student may take two offhese courses outside the Department of History21History seminar at the 400 -level or above3
(excluding HIST 491 and 493 and Independent Study)
ELECTIVESAffer required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY CONCENTRATION: EUROPEAN HISTORY
CURRICULUMC.REDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 ..... 3
HIST 102 Western Civilization: 1648 to the Present ..... 3
HIST 268 Seminar ..... 3
or the Ancient World ..... 3
Seven courses in the field of emphasis With written approval of the advisor a student may take two of these courses outside the Department of History ..... 21
.3
(excluding HIST 491 and 493 and Independent Study
ELECTIVES
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY
CONCENTRATION: GLOBAL HISTORY
CURRICULUMCREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 .....  3
HIST 102 Western Civilization: 1648 to the Present ..... 3
HIST 268 Seminar ..... 3
History course on the history of Asia, Africa, Latin America, or the Ancient World ..... 3
Seven courses in the field of emphasis. With written approval of the advisor, a student may take two of these courses outside the Department of History ..... 21
History seminar at the 400 -level or above ..... 3
(excluding HIST 491 and 493 and Independent Study)
ELECTIVES
After required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY
CONCENTRATION: POLICY HISTORY
CURRICULUMCREDITS
See page 78 for University and College requirements. ..... MAJOR REQUIREMENTS
HIST 268 Seminar ..... 3
HIST 101 Western Civilization to 1648
HIST 101 Western Civilization to 1648 ..... 3 ..... 3
History course on the history of Asia, Africa, Latin America, or the Ancient World ..... 3
Seven courses in the field of emphasis. With writtenapproval of the advisor, a student may take two of21
these courses outside the Department of History.
History seminar at the 400 -level or above ..... 3
(excluding HIST 491 and 493 and Independent Study)
ELECTIVES
After required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree.CREDITS TO TOTAL A MINIMUM OF124

## DEGREE: BACHELOR OF ARTS <br> MAJOR: HISTORY <br> CONCENTRATION: JOURNALISM

CREDITSSee page 78 for University and College requirements.
MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 ..... 3
HIST 102 Western Civilization: 1648 to the Present ..... 3
HIST 268 Seminar ..... 3
History course on the history of Asia, Africa, Latin America,
$\begin{array}{r}3 \\ 12 \\ \hline\end{array}$
History courses at or above the 300 -level
History seminar at the 400 -level or above ..... 3
(excluding HIST 491 and 493 and Independent Study)History course3
ENGL 307 New Writing and Editing ..... 3
Nine credits chosen from the following courses: ..... 9
ENGL 308 Reporter's PracticumENGL 309 Feature and Magazine WritingENGL 310 Copy Editing and Layout
ENGL 407 Advanced Reporting
ENGL 408 Sports WritingENGL 409 Topics in JournalismENGL 466 Independent Study
ELECTIVES
After required courses are completed, sufficient elective credits must betaken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124
DEGREE: BACHELOR OF ARTSCURRICULUMCREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
HIST 101 Western Civilization to 1648 .....  3
HIST 102 Western Civilization: 1648 to the Present
HIST 103 World History to 1648
HIST 104 World History to Present
HIST 268 Seminar ..... 33
Depending on its emphasis, this seminar course can count as three ofthe required credits in European, American, or Third World history
The total number of credits required in the major is 36
History courses on the history of Europe includingAncient Greece and Rome6
History courses on the history of the United States ..... 12
History courses on the history of Asia, Africa, or Latin America ..... 6
Course work must include a three credit History seminar at or abovethe 400 level (excluding HIST 491, 493, and independent study) andtwelve additional credits at or above the 300 level.
ECON 151 Introduction to Microeconomics ..... 3
ECON 152 Introduction to MacroeconomicsPOSC 105 The American Political System
GEOG 120 World Regional Geography ..... $\begin{array}{r}3 \\ \hline\end{array}$3
3 credits in Economics, 6 credits in Political Science, 6 credits in Geography
EDUC 201 Diversity in the Classroom..3
3
EDUC 304 Educational Psychology - Social Aspects ..... 3
EDUC 30.5 Educational Psychology - Cognitive Aspects ..... 3
HIST 491 Planning a Course of Instruction (minimum grade C-) ..... 3
HIST 493 Seminar: Problems in Teaching History and Social Sciences Spring semester only)$\begin{array}{r}3 \\ \hline\end{array}$
EDUC 420 Reading in the Content Areas ..... 1
To be eligible to student teach, History Education students must have ag pa. of 30 in their major and an overall g.p.a of 2.75 . Studentsshould consult the teacher education program coordinator (see list on $p$.176) to obtain the student teaching application and other informationconcerning student teaching policies
CREDITS TO TOTAL A MINIMUM OF124

## DEGREE: BACHELOR OF ARTS <br> MAJOR: HISTORY/CLASSICS, FRENCH, GERMAN, RUSSIAN, SPANISH <br> CURRICULUM

CREDITS

## See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

HIST 101 Western Civilization to 1648 ....................................... 3
HIST 102 Western Civilization: 1648 to the Present ............................... 3
Five 300 -level courses, at least two of which must deal with countries that use the chosen foreign language15
History seminar at the 400 -level or above ..... 3
(excluding HIST 491 and 493 and Independent Study)

One of the following language options:
Classics
Civilization: Two classical civilization (or culture) courses: eg., FLLT 202 (Biblical and Classical Literature) and FLLT 316 (Mythology)6

Literature: Either 9 credits of Latin at the 200-level or above and 3 credits of Latin at the 300 -level or above, or GREK 213 and GREK 214 and 6 credits of Latin at the 200 -level or above12

## French

Civilization: FREN 325 (French Civilization I), or FREN 326 (French Civilization III)3

Literature: FREN 301 (Introduction to French
Literafure: Prose) and FREN 302 (Introduction
to French Literature: Poetry and Theatre)

Two courses at the 200,300 , or 400 -level

## German

Civilization: GRMN 325 (German Civilization and Culture) .......................... 3
Literature: GRMN 311 (Introduction to German Literature I)
and GRMN 312 (Introduction to German Literature II)

Two courses at the 200, 300, or 400-level ..................................... 6

## Russian

Civilization: RUSS 325 (Russian Civilization) …............................................ 3
Literature: RUSS 310 (Introduction to Russian Literature I)
and RUSS 312 (Introduction to Russian Literature II ............................... 6
400-level literature course ..... ................................................................. 3
Two courses at the 200, 300, or 400-level ......... 6

## Spanish

Students must choose either the Peninsular $(325,301,302)$ or the
Latin American $(326,303,304)$ track.
Civilization: SPAN 325 (Spanish Civilization and Culture) or SPAN 326 (Latin American Civilization and Culture)3

Literature: SPAN 301 (Survey of Spanish Literature) and
SPAN 302 (Survey of Spanish Literature) ..... 6or

SPAN 303 (Survey of Spanish-American Literature) and SPAN 304 (Survey of Spanish-American Literature)

400 -level literature course

Two courses at the 200, 300, or 400-level ............................................ 6

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: <br> HISTORY (ALL CONCENTRATIONS); HISTORY EDUCATION; HISTORY/FOREIGN LANGUAGE

To receive the B. A. with Honors, students must complete the following:

1. All requinements for the B.A. with a major in History, History Education, or History/Foreign Language.
2. All the University's generic requirements for the Honors Degree (see page 43 of this catalog).
For all the History degrees/concentrations, including the joint degree with a Foreign Language, at least six of the Honors credits in the major must be at the 300 -level or above.

## REQUIREMENTS FOR A MINOR IN HISTORY

A student may minor in history by taking 15 credits: two courses in any combination from HIST 101, 102 (Western civilization), 205, 206 (American history), and the remaining 9 credits at or above the 300-level.

Many history courses fulfill Group B requirements of the College of Arts and Science. HIST 327 fulfills a Group C requirement.

## INTERNATIONAL RELATIONS

(See Political Science)

## IRISH STUDIES

A student may minor in Irish Studies by earning 15 credits in recommended courses, all at or above the 300 -level. Required courses include ENGL 351 and HIST 373 . For further information, contact Professor Bonnie Scott at (302) 831-6230

## JEWISH STUDIES

The College of Arts and Science offers an undergraduate minor in Jewish Studies. The minor involves the study of the texts, histories, and culture of the Jewish people which developed alongside and within Western and non-Western civilization, in every place where Jewish people and Jewish culture have existed. As an academic discipline, Jewish Studies concentrates on its own inner continuities, as well as the ways it has affected, and been affected by, its host cultures.

> Telephone: (302) 831-3324
http://www.udel.edu/jsp/index html

## REQUIREMENTS FOR THE MINOR IN JEWISH STUDIES

The interdisciplinary minor in Jewish Studies requires 15 credits of Jewish Studies courses (all of which are cross-listed with other departments, such as history or philosophy or English), including the following:
JWST/ENGL 349 Introduction to Jewish Sources .................................. 3
JWST/PHIL 208 Introduction to Jewish Philosophy ............................... 3
The remaining 9 credits may be distributed among the other Jewish Studies courses, including independent studies (per approval of the Program Director). Only 3 credits of Hebrew language can count towards the minor

## JOURNALISM

The undergraduate journalism program is centered in the Department of English but reaches beyond it. There is no separate journalism major, but there are concentrations in journalism for English and history majors. Students majoring in other areas such as political science or communication often take journalism courses to enhance their degree programs. The journalism courses-up to 15 credits not including internships-may also be used as the organizing principle for a Bachelor of Arts in Liberal Studies degree or an Interdepartmental Major The courses are primarily practice-oriented and are aimed at preparing the interested student to be well qualified for a position in some phase of reporting, writing, or editing for newspapers, magazines, radio, or television. For details, see English and History in this catalog.

## LATIN AMERICAN STUDIES

The undergraduate major in Latin American Studies is designed to give students a comprehensive picture of Latin American history, politics, geography, anthropology, language and literature. The program is interdisciplinary and allows certain freedom in individualizing the selection of courses to meet students' interests and needs. An undergraduate minor in Latin American Studies is also available.

Many career opportunities are open to students who major in Latin American Studies. Graduates of the program can work in governmental services and other fields in which it is important to work with Latin American topics. There is also employment in research and teaching, libraries, public relations, public administration, journalism and publishing. In addition, Latin American Studies graduates will have an unusually good background for advanced study in international business or international law.

Telephone: (302) 831-0794
E-mail: salchon@udel.edu
nttp://www.udel.edu/Areastudies/atam.htm

## DEGREE: BACHELOR OF ARTS

## MAJOR: LATIN AMERICAN STUDIES

CURRICULUM
CREDITS
See page 78 for University and College requirements. Note:
The Foreign Language Callege requirement must be fulfilled in
Spanish. Completion of PORT 107 is also highly recommended.
MAJOR REQUIREMENTS
$\begin{array}{ll}\text { ANTH } 265 & \text { High Civilizations in the Americas ........................................... } \\ \text { ANTH } 375 & \text { Peoples and Cultures of Modern Latin America }\end{array}$
ANTH 375 Peoples and Cultures of Modern Latin America ................ 3
ANTH 380 Peoples and Cultures of Mexico and Central America
GEOG 226 Geography of Latin America
HIST 135 Introduction to Latin American History
POSC 426 Latin American Political Systems .. 3
SPAN 326 Latin American Civilization and Culture ... ............. ....... . 3
SPAN 303 Survey of Spanish-American Literature 1................... 3
or 304 Survey of Spanish-American Literature II
One of the following seven courses:
ANTH 323 Prehistory of South America
ANTH 327 Peoples of the Caribbean
ANTH 337 South American Indians
ANTH 338 Arts and Crafts of Native South America
HIST 334 History of Mexico
HIST 430 20th Century Latin American Revolutions
HIST 477 Studies in Latin American History
One of the following two courses:
POSC 431 Latin American Politics: Countries
POSC 450 Problems in Latin American Politics
One of the following three courses:
SPAN 415 Latin American Literature in its Political Context
SPAN 430 Latin American Novel and Cinema
SPAN 443 Mexican Literature
Suggested Course:
ECON 311 Economics of Developing Countries

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken, in consultation with the student's academic advisor, to meet the minimum credit requirement for the degree

## Study Abroad

Latin American Studies majors should plan to attend a semester or winter session at a Latin American site
CREDITS TO TOTAL A MINIMUM OF ............................... 124

REQUIREMENTS FOR A MINOR IN LATIN AMERICAN STUDIES
Purpose. This is an interdisciplinary program designed to provide undergraduates with an organized focus for their interests in Latin

America. The program is designed to enhance, rather than substitute for, a student's disciplinary major.

Program Requirements. A minimum of 18 credits is required from the following courses, selected from at least four departments.

HIST 135, 334, 430, 477
GEOG 226
SPAN 303, 304, 326, 415, 430, 441, 443
ANTH 265, 323, 327, 330, 337, 338, 375, 380
POSC 426, 431, 450
Language Requirement. In addition to the 18 -credit minimum, students must complete SPAN 107 or demonstrate equivalent proficiency on the placement test Equivalent competence in Portuguese will be allowed. The study of both languages is strongly encouraged

Study Abroad. Latin American Studies minors should plan to attend a semester or winter session at a Latin American site.

Substitutions may be made for the above specified courses, with permission from the Coordinator of the Latin American Studies Program, and only so long as the same disciplinary distribution is maintained.

## LEGAL STUDIES

The minor in Legal Studies provides undergraduate students with the opportunity to explore the law from an interdisciplinary perspective within the framework of the liberal arts curriculum. The law is an essential topic in philosophic, social science, and public policy inquiry. Courses that are substantially concerned with law are available in a variety of disciplines including political science, sociology, philosophy, history, business, communication, economics, and psychology.

The minor program supplies coherence and guidance in the study of law in at least four ways. First, each Legal Studies minor is provided with an advisor who guides the student in constructing a coherent program. Second, the minor provides students with an opportunity to examine legal phenomena from a variety of discipline perspectives Third, the program offers both a substantive introduction to law and an interdisciplinary introductory course in legal studies. Finally, it offers an interdisciplinary culmination by way of a senior seminar that requires a research paper.

This program is designed for any undergraduate student who is interested in examining the law from a variety of perspectives. Legal studies is not a "pre-law" program, and it does not offer para-legal training. It is, however, a suitable minor for those who plan to pursue professional training. For information on Pre-Law Advisement, see page 68

In addition to offering a minor in Legal Studies, the program offers faculty seminars, lectures, and films.

Telephone: (302) 831-8041
http://www.udel.edu/Legal.Studies,

## REQUIREMENTS FOR A MINOR IN LEGAL STUDIES

CURRICULUM CREDITS
$\begin{array}{ll}\text { POSC } 380 & \text { Introduction to Law (same as LEST 380) .................................. } 3 \\ \text { IFST } 301\end{array}$
LEST 301 Introduction to Legal Studies (same as CRJU 301) … 3

Three courses from the following list At least two of .............................. . 9
these courses must be from outside the requirements of the stu-
dent's major and outside his or her major department. These two
courses must be chosen from two different departments.

## Accounting

ACCT 350 Business Law
ACCT 351 Business Law
ACCT 352 Law and Social Issues in Business

## Communication

COMM 345 Legal Issues of the Mass Media (same as LEST 345)

## Criminal Justice

CRJU 202 Problems of Criminal Judiciary
CRJU 203 Problems of Corrections

CRJU 320
CRJU 346
CRUU 347
CRUU 375
CRUU 425
CRJU 428
CRUU 450
CRUU 456

## Economics

ECON 306 Economic Theory of Politics (same as POSC. 306)
ECON 360 Government Regulation of Business
ECON 408 Economics of Law
ECON 461 Industrial Organization and Antitrust
ECON 463 Economics of Regulation

## History

HIST 309 U S. Business and Political Economy
HIST 376 English Legal and Constitutional History
Philosophy
PHIL 202 Contemporary Moral Problems
PHIL 308 Justice and Equality
PHIL 446 Philosophy of Law

## Political Science and International Relations

POSC 306 Economic Theory of Politics (same as ECON 306)
POSC 380 Introduction to Law
POSC 402 Civil Liberties I
POSC 404 Judicial Processes
POSC 405 Constitutional Law of the United States
POSC 406 Civil Liberties II
POSC 423 Congress and Public Policy
POSC 413 Problems in American Government: Gender, Sex and Law
Psychology
PSYC 346 Psychology and the Law (same as CRJU 346)
PSYC 347 The Jury: Guilty or Not Guilty (taken with CRJU 347)
Sociology
SOCl 330 Population, Law and Society
SOCI 345 Sociology of Law
SOC 428 Corporate Crime (same as CRUU 428)
SOCl 456 Lawyers and Society (same as CRJU 456)
Women's Studies
WOMS 413 Gender, Sex, and American Law (same as POSC. 413)

## LINGUISTICS

The Department of Linguistics offers two minors at the undergraduate level: one in Linguistics and one in Cognitive Science. The department also has course templates for individualized Bachelor of Arts in Liberal Studies degrees in Pre-professional Speech Pathology, and in Cognitive and Linguistic Science. The department offers courses in Linguistics and Cognitive Science at the introductory, intermediate, and advanced levels in both applied and theoretical areas. Many of the courses fulfill the Group A, Group C, and Group D General Education Requirement in the College of Arts and Science as well as the University's Multicultural Requirement.

Telephone: (302) 831-6806
http://www ling .udel edu/ling/

## REQUIREMENTS FOR THE MINOR IN LINGUISTICS

The minor in linguistics requires 18 credits, distributed as follows:
LING $101 \quad$ Introduction to Linguistics
One of the following:
LING 407 Phonology 1
LING 409 Syntax I

LING $477 \quad$| Structure of English |
| :--- |
| UNG 491 Semantics I |

| Any four additional UNG courses, two of which must be |
| :--- |
| at the 300 -level or above | at the 300 -level or above

Special problems courses and courses other than those specified above must have approval of the Undergraduate Studies Committee of the Department of Linguistics.

## COGNITIVE SCIENCE MINOR

Cognitive Science studies the computational and representational structure of the mind by combining linguistics, philosophy, computer science (especially artificial intelligence), and psychology. Courses for the minor in cognitive science focus on three areas: (1) broad foundational issues in linguistics, psychology, and computing; (2) more specialized issues in mental representation, computation, theoretical linguistics, and epistemology; (3) problems in cognition, data processing, language and formal representation that are related to students' particular interests.

The minor is administered through the Department of Linguistics. It requires 18 credits, distributed as follows (most of these courses have prerequisites, as listed):
A. All of the following: ............................................ 9
CGSC 270 Introduction to Cognitive Science
LING 101 Introduction to Linguistics
PSYC 201 General Psychology
B. One of the following:

CISC 105 General Computer Science
CISC 106 General Computer Science for Engineers
CISC 181 Introduction to Computer Science
(restriction: programming experience)
(coreq: MATH 115, MATH 171 or MATH 241)
C. One of the following:

LING 409 Syntax 1 (prereq: LING 101)
LING 491 Semantics I (prereq: LING 101)
CGSC 480 Computers and the Mind
CGSC 340 Cognition (prereq: PSYC 309)
D. One of the following:

PSYC 310 Sensation \& Perception (prereq: PSYC 309)
CGSC 314 Brain \& Behavior
CISC 220 Data Structures (prereq: CISC 181)
CGSC 681 Artificial Intelligence (prereq: CISC 220 \& 310)

## PHIL 205 Logic

EDUC 462 Language Acquisition
LING 610 Syntax II (prereq: LING 409)
OR, any of the courses not chosen under $C$

## No more than 3 courses may be from a single department.

For more information, contact: Professor Barbara Landau
Cognitive Science Program
(302) 831-1088
email: blandau@udel edu

## PRE-PROFESSIONAL SPEECH PATHOLOGY AND COGNITIVE AND LINGUISTIC SCIENCE

Students who wish to prepare for graduate or professional work in Speech Pathology and Communication Disorders may follow a course of study drawing on linguistics, speech science, psychology, neuroscience, and biology. This will include courses in acoustics, physiology, psycholinguistics, normal and abnormal development, and a variety of other scientific and clinical fields. Those wishing to study Cognitive and Linguistic Science may follow a course of study integrating language, computing, and thinking: in particular, introductory courses in linguistics, computer science, and psychology; a formal foundations course to provide the requisite mathematical underpinnings; and courses in some area of specialization, such as language development, computational modeling, or mathematical and logical foundations of cognitive science. Students interested in these areas may pursue a Bachelor of Arts in Liberal Studies degree Templates of courses for each of these options are available from the Department. Advisors will work with students individually to design courses of study appropriate to the students' needs and the requirements of the fields.

## CONFERENCE INTERPRETATION PROGRAM

$\mathbf{W}_{\text {ithin }}$ the Department of Linguistics, the Conference Interpretation Program occasionally offers an intensive course in simultaneous and consecutive interpretation during the summer session Coursework includes: basic theoretical constructs, pre-interpretation exercises, consecutive note-taking and note-reading, public speaking skills, simultaneous interpretation, self-monitoring techniques, short-term memory strategies, ethics, scenario writing and role playing. Candidates must have a good working knowledge of English and at least one other language in order to enroll. Prospective students are urged to contact Professor Nancy Schweda-Nicholson of the Department of Linguistics regarding the language combinations for future seminars.

## MATHEMATICAL SCIENCES

The Department of Mathematical Sciences offers four undergraduate degree programs: the Bachelor of Science in Mathematical Sciences, the Bachelor of Science in Statistics, the Bachelor of Arts in Mathematical Sciences, and the Bachelor of Arts in Mathematics Education, which trains students for careers in secondary school mathematics education Minors in mathematics and in statistics are also available. The Department is currently not accepting applications for admission to the statistics major or statistics minor.

The Department of Mathematical Sciences provides courses for others who need to use mathematics and statistics in their careers, be it engineering, science, medicine, or management. Mathematical sciences majors must also delve deeply into the structure of their subject without neglecting its applications.

Since mathematics is a highly structured discipline, careful attention must be paid to prerequisites. The successful mathematical sciences major must complete several courses in the major each year to graduate within a reasonable time frame. Thus, the Department of Mathematical Sciences carefully monitors student progress and will drop from the major any student not making satisfactory progress in the program. A normally matriculated student majoring in the Department of Mathematical Sciences is not making satisfactory progress if he or she: (1) has not successfully completed a required Mathematical Science course by the beginning of the third semester; or (2) has not successfully completed MATH 245 by the end of the fourth semester; or (3) has failed to successfully complete any required Mathematical Science course for two consecutive semesters. Consistent with the program requirements, "successfully complete" means to earn a grade of C - or better A student not making satisfactory progress may petition the department to remain as a major when there are extenuating circumstances.

Departmental requirements and course descriptions are subject to continual revision. Up-to-date statements of requirements, course descriptions and departmental policies are available at the departmental office

Telephone: (302) 831-2653
http://www.math udel edu/

## COURSES FOR OTHER MAJORS

The three-semester calculus sequence MATH 241-242-243 is the traditional basis for programs in the physical sciences and engineering Students with a sound preparation in calculus are encouraged to enroll in MATH 242 to avoid repetition of known material. Students with advanced placement are automatically placed in MATH 242 , and others should follow the advice given during freshman orientation.

The calculus sequence MATH 221-222 and finite mathematics course MATH 230 are designed for students in the biological, behavioral, management and social sciences. Trigonometry is not a prereq-
uisite for these courses. Requirements in mathematics preparation for these programs vary greatly; thus students with preparation in trigonometry, a high aptitude for mathematics, or an expectation of pursuing more quantitative aspects might seriously consider taking MATH 241-242 as an alternative to MATH 221-222.

The sequence MATH 251-252 is designed for prospective elementary school teachers and is restricted to declared majors in the appropriate programs of the College of Human Resources, Education and Public Policy.

Students who need further preparation in algebra and trigonometry prior to a 200 -level course should take MATH 115 or MATH 117. MATH 114 serves to establish minimal skill levels for students not expecting to continue at the $200-\mathrm{level}$. Students seeking mathematical electives for self-enrichment may select MATH 280 if their skills are adequate for the 200 -level.

Ordinarily, credit is not given for 100 -level courses that follow successful completion of 200 -level courses Credit for corresponding courses from different tracks MATH 114 and 115; MATH 210 and 230; MATH 221 and 241; MATH 222 and 242; MATH 302 and MATH 341; and, MATH 349 and MATH 342 will be given only upon approval of the chair.

## DEGREE: BACHELOR OF ARTS <br> MAJOR: MATHEMATICAL SCIENCES

CURRICULUM
See page 78 for University and College requirements. MAJOR REQUIREMENTS
A grade of C- or better is required for major courses and related work. Students lacking preparation for MATH 242 should begin with MATH 241
MATH 210 Discrete Mathematics L........................................................... 3
MATH 242 Analytic Geometry and Calculus B ........................................ 4
MATH 243 Analytic Geometry and Calculus C..................................... 4
MATH 245 An Introduction to Proof ....................................................... 3
MATH 302 Ordinary Differential Equations ............................................ 3
MATH 349 Elementary Linear Algebra ...................................................... 3
STAT 300 Statistical Methods and Theory ….................................... 4
Nine credits of mathematics and/or statistics at the 300 ............................. 9
level or above. MATH 379, MATH 380, MATH 381, MATH 555,
STAT 450, and STAT 555 are not applicable.
ENGL 312 Written Communications in Business 3 or suitable equivalent
One of the following options (A, B, or C):
Option A
(for students with previous experience with a programming language)
CISC 181 Introduction to Computer Science
and
CISC 220 Data Structures
Option B
(for students with no previous experience with a programming language)
CISC 105 General Computer Science

CISC 220 Data Structures
Option C
(for students with no previous experience with a programming language)
CISC 105 General Computer Science
and
CISC 120 Object Oriented Programming in C++ and
CISC 220 Data Structures
Any substitutions must be approved by the department Undergraduate Studies Committee

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree, with at least 79 credits outside Mathematics

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: MATHEMATICS

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Mathematics.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog).
All Mathematics and Statistics courses below the 600 -level in which the student takes an Honors component may be counted toward the minimum 12 hours of Honors credits in the major required for the Honors degree All Mathematics and Statistics courses at the 600level or higher may be counted toward the same 12 credit Honors course requirement.

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: MATHEMATICAL SCIENCES

CURRICULUM CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-)
Three credits in an approved course or courses stressing .........
multicultural, ethnic, and/or gender-related content (see p. 57)
COLLEGE REQUIREMENTS
Writing: (minimum grade C-1
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81 )
Foreign Language:
Completion of the intermediatelevel course (107 or 112) in a given language. Number of credits needed and initial placement will depend on number of years of high school study of foreign language Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination French, Russian, or German is recommended
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups A, B and C is
required with a minimum of six credits in each group The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities
Group B: The study of culture and institutions over time.
Group $C$ : Empirically based study of human beings and their environment.

## MAJOR REQUIREMENTS

A grade of C - or better is required for major courses and related work. Students lacking adequate preparation for MATH 242 should begin with 241


Option B
(for students with no previous experience with a programming language)
CISC 105 General Computer Science
and
CISC 181 Introduction to Computer Science
and
CISC 220 Data Structures
Option C
(for students with no previous experience with a programming language)
CISC 105 General Computer Science
and
CISC 120 Object Oriented Programming in C++ and
CISC 220 Data Structures
Any substifutions must be approved by the department Undergraduate Studies Committee

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF SCIENCE: MATHEMATICS

The recipient must complete:

1. All requirements for the Bachelor of Science degree in Mathematics.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog).
All Mathematics and Statistics courses below the 600 -level in which the student takes an Honors component may be counted toward the minimum 12 hours of Honors credits in the major required for the Honors degree All Mathematics and Statistics courses at the 600 level or higher may be counted toward the same 12 credit Honors course requirement

## DEGREE: BACHELOR OF SCIENCE MAJOR: STATISTICS

The Department of Mathematical Sciences is currently not accepting applications for admission to the major in statistics.

## CURRICUIUM

CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-1 .......... ....... 3
Three credits in an approved course or courses stressing .... ....................... 3
multicultural, ethnic, and/or gender-related content (see p. 57).
COLLEGE REQUIREMENTS
Skill Requirements
Writing: (minimum grade C-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet, (See list of courses approved for second writing requirement, page 81.)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a given language Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.
French, Russian or German is recommended.
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups A, B and C is
required with a minimum of six credits in each group The six credits from each group could be from the same area.
Group A: Understanding and appreciation of the creative arts and humanities
Group B: The study of culture and institutions over time.
Group C: Empirically based study of human beings and their environment.

## MAJOR REQUIREMENTS

A grade of $C$ - or better is required for all major courses and related work. Students lacking adequate preparation for MATH 242 should begin with MATH 241

MATH 242 Analytic Geometry and Calculus B
MATH 243 Analytic Geometry and Calculus C ......................... 4
MATH 245 Concepts of Analysis ....................................................... 3
MATH 349 Elementary Linear Algebra
MATH 302 Ordinary Differential Equations ............................................. 3
MATH 426 Introduction to Numerical Analysis and ......... ......................... 3
MATH 401 Algorithmic Computation Introduction to Real Analysis .............. ............. ............. 3
STAT 205 Statistical Methods ............................................... 4
STAT 370 Introduction to Statistical Analysis I. $\quad 3$
STAT 371 Introduction to Statistical Analysis II ................................ 3

STAT 420 Data Analysis and Nonparametric Statistics ........... 3
STAT 611 Regression Analysis .......................................................................
STAT 615 Design and Analysis of Experiments ................................... 3
One of the following: .................................................................. 3
STAT 616 Design and Analysis of Experiments II
STAT 617 Multivariate Methods
STAT 618 Sampling Techniques
ENGL 312 Written Communications in Business ............................................. 3
Two-semester sequence of laboratory science ............................................. 8
(Courses designed for non-majors in a discipline are not appropriate.)
One of the following options (A, B, or C):
Option A
(for students with previous experience with a programming language)
CISC 181 Introduction to Computer Science
and
CISC 220 Data Structures
Option B
(for students with no previous experience with a programming language)
CISC 105 General Computer Science
and
CISC 181 Introduction to Computer Science
and
CISC 220 Data Structures
Option C
(for students with no previous experience with a programming language)
CISC 105 General Computer Science
and
CISC 120 Object Oriented Programming in $\mathrm{C}_{++}$
and
CISC 220 Data Structures
Area of application: ..............................................................................
This program requires a fifteen-credit area of application outside the
department. Students must meet regularly with the advisor to develop it.
ELECTIVES
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

## CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS

MAJOR: MATHEMATICS EDUCATION
CURRICULUM
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-1..................... 3
Three credits in an approved course or courses stressing ..................................... 3
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

## Skill Requirements

Writing: (minimum grade C -
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet..
(See list of courses approved for second writing requirement, page 81.)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a given language Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement by taking an exemption examination French, Russian or German is recommended

## Breadth Requirements (See page 83)

Group A.
Understanding and appreciation of the creative arts and humanities.
Twelve credits representing at least two areas.
Group B
The study of culture and institutions over time Nine credits representing at least two areas
Group C
Empirically based study of human beings and their environment Nine credits representing at least two areas
Group D
The study of natural phenomena through experiment and analysis $A$ minimum of thirteen credits representing at least two areas including a minimum of one course with an associated laboratory

## MAJOR REQUIREMENTS

A grade of C - or better is required for major courses and related work Students lacking preparation for math 242 should begin with MATH 241.
MATH 210 Discrete Mathematics I .............................................. 3
MATH 242 Analytic Geometry and Calculus B ................................... 4
MATH 243 Analytic Geometry and Calculus C $\quad . . .$.
MATH 245 An Introduction to Proof ...
MATH 349 Elementary Linear Algebra
MATH 389 Graph Theory .
MATH 401 Introduction to Real Analysis
MATH 451 Abstract Algebra I .............................................................. 3
MATH 518 Mathematical Models and Applications ................................ 3
another Modeling course
MATH 540 Geometry ................................................................ 3
STAT 300 Statistical Methods and Theory ............................................. 4
One of the following: ................................................................ 3
CISC 105 General Computer Science
CISC 106 General Computer Science for Engineering
CISC 181 Introduction to Computer Science
PHYS 207 Introductory Physics I
ENGL 312 Written Communications in Business $\quad . \quad 4$
EDUC 201 Diversity in the Classroom ...................................... 3
EDUC 304 Educational Psychology - Social Aspects ..............................................
EDUC 305 Educational Psychology - Cognitive Aspects … ..................... 3
MATH 179 Problem Solving Strategies I ... ............................................ 1
MATH 379 Problem Solving Strategies ..........................................
MATH 380 Approaches to Teaching Mathematics ............. ... ................. 3
MATH 381 Practicum in Secondary Marhematics .................................... 1
EDUC 420 Reading in the Content Areas ........................................... 1

To be eligible to student teach, Mathematics Education students must have a g.pa. of 2.5 in their mathematics major and an overall g.pa of 2.5 . Remaining in the program is subject to periodic review of satisfactory progress and, to be admitted to EDDV 400 Student Teaching, students must have completed all the mathematics courses required in the secondary mathematics education program. Students should consult the teacher education program coordinator (see list on p 176) to obtain the student teaching application and other information concerning student teaching policies.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree, with 79 credits outside of Mathematics.
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: MATHEMATICS EDUCATION

## The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Mathematics Education.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog).

All Mathematics and Statistics courses below the 600 -level in which the student takes an Honors component may be counted toward the minimum 12 hours of Honors credits in the major required for the Honors degree. All Mathematics and Statistics courses at the 600level or higher may be counted toward the same 12 credit Honors course requirement.

## REQUIREMENTS FOR A MINOR IN MATHEMATICS

A student seeking a minor in mathematics must obtain permission from the chairperson or his designee in the Department of Mathematical Sciences.

Course requirements consist of a total of 18 credits in MATH courses offered by the Department of Mathematical Sciences, to include 9 credits above MATH 302. In order to count toward the minor, a grade of C - or better is required.

MATH 341 and MATH 351 are not considered above MATH 302 since they are comparable courses from a different track. However, MATH 342 or MATH 352 may be counted as above MATH 302 , provided MATH 349 is not included in the count.

One of STAT 300, STAT 370, STAT 450, or STAT 475 may be counted toward the 18 credits in MATH courses required for the mathematics minor, but these courses cannot count toward the 9 credits above MATH 302 Courses which are cross-listed with a Mathematical Sciences MATH course may also be counted toward the minor. Courses in mathematics education (e.g., MATH 379, 380, 381) may not be counted toward the minor.

## REQUIREMENTS FOR A MINOR IN STATISTICS

The Department of Mathematical Sciences is not currently accepting applications for the minor in Statistics.
A student seeking a minor in statistics must obtain permission from the chairperson or his/her designee in the Department of Mathematical Sciences. Course requirements include STAT 300 or STAT 370 and a total of at least 12 credits in statistics above STAT 370. Credit toward the minor can be obtained for both STAT 300 and STAT 370, but credit toward the minor will not be given for both STAT 300 and STAT 371

## MEDICAL HUMANITIES

The undergraduate minor in medical humanities is an organized curriculum of study with an emphasis on the relationship between various humanistic inquiries and the practice of medicine

Telephone: (302) 831-8195

## REQUIREMENTS FOR A MINOR IN MEDICAL HUMANITIES

CSCC/PHIL 246
CSCC/ENGL 369
Philosophical Perspectives of Medicine
CSCC/HIST 382 Literature and Medicine. 3
3

History of Western Medicine
CSCC 366 Independent Study in Medical Humanities ................... 1
Two courses from the following:
CSCC/WOMS 233 Women, Biology and Medicine
CSCC/PHIL 241 Ethical \& Moral Dimensions of Health Care
CSCC/SOCI 242 Society and the Health Professions
CSCC/SOCl 243 Society, Politics, and Health Care
CSCC 271
CSCC/SOCl 310
CSCC/SOCl 311
CSCC/ENGL 368
CSCC/HIST 385
CSCC/PHHL 444
Comparative Medical Systems
Sociology of Health Care
Hospitals
Literature and Science
History of Biological Ideas
Medical Ethics
Students wishing to complete a minor in Medical Humanities are encouraged to enroll as soon as possible.

## MEDIEVAL STUDIES

The College of Arts and Science offers an undergraduate minor in Medieval Studies. Students interested in the Middle Ages and Medieval Studies have the opportunity to draw on the resources of a number of departments and structure individual programs of breadth and variety. Students pursuing a minor in Medieval Studies must take a minimum of 18 credits from the following courses, selected from at least three departments.

| ARTH 209 | Early Medieval Art (200-1000 AD) |
| :--- | :--- |
| ARTH 210 | Later Medieval Art (1000-14000 AD) |
| ARTH 213 | Att of the Northern Renaissance |
| ARTH 217 | Early Renaissance Art |
| ARTH 220 | Italian Renaissance Architecture |
| ARTH 406/606 | Seminar in Medieval Art |
| ARTH 408/608 | Seminar in Northern Renaissance Art |
| ARTH 413 | Seminar in Italian Renaissance Art |
| CMLT 320 | Varying Authors and Genres (on medieval topics) |
| CMLT 321 | Medieval Literature and Culture |
| ENGL 321 | Medieval Literature and Culture |
| ENGL 322 | Chaucer |
| FLLT 320 | Varying Authors and Genres (on medieval topics) |
| FREN 423/623 | French Medieval Literature |
| HIST 241 | History of Christianity to 1300 |
| HIST 245 | Medieval Kings and Queens |
| HIST 342 | Barbarian Europe |
| HIST 343 | Medieval Europe 1050-1350 |
| HIST 344 | Renaissance Europe |
| HIST 471/671 | Seminar in Medieval History |
| MUSC 311 | Music History: 400 through 1600 |
| PHIL 302 | Medieval Philosophy |
| SPAN 435/635 | Spanish Medieval Literature |

Substitutions may be arranged with the permission of the faculty coordinator, provided that the required disciplinary distribution is maintained.

Telephone: (302) 831-3657

## MILITARY SCIENCE-ARMY ROTC

The mission of the Military Science - Army ROTC program for undergraduates is to produce leaders of chatacter to serve in the nation's defense. The cornerstone of the leadership program is developing self-confidence, teamwork, responsibility, professional ethics, and the ability to "take charge."

Students at the University of Delaware can earn a commission as a Second Lieutenant in the U.S. Army upon completion of the military science program and a baccalaureate degree. The normal fouryear ROTC program requires the completion of eight one-semester courses, totaling 12 credit hours, and successful completion of a fiveweek leadership camp during the summer prior to the senior year

## ROTC Program

The ROTC program consists of two major subsets - the Basic Course and the Advanced Course. Both courses are straightforward rather than conceptual and tend to be small ( 25 or less) with much personal interaction between the cadre and the students.

Basic Course - for freshmen and sophomores. A series of four 1 -credit classes that are open to all students with no military obligation. Student instruction includes basic leadership skills, orientation to the US Army, time management and other academic skills, decision making, national security policy, and adventure training opportunities (rappelling, skiing, land navigation, etc.)

Faculty and the advanced course cadets form support groups and act as mentors to the basic course students, providing assistance and a positive environment. Students enrolled in the basic course can compete for 2 - and 3 -year scholarships that will pay full tuition/fees and provide stipends.

While the Army may not be for everyone, and many of the Basic Course students decide not to continue in the Advanced program, they all unequivocally state that the ROTC Basic Course instruction provided them with excellent life skills, abilities, and confidence.

Advanced Course - for juniors and seniors leading to a commission as a Second Lieutenant This series of four 2 -credit classes involves advanced practical leadership and military skills training, including a five-week summer training camp at Fort Lewis in the State of Washington Students are paid and all travel, medical needs, lodging, and meals are provided while attending Advanced Camp.

No military obligation is incurred until the beginning of this phase. Once the student satisfactorily completes all ROTC requirements and graduates from the University, he/she receives a commission in the US Army (Active Duty or Reserve status)

## Army ROTC Benefits

Four, three, and two-year scholarships are awarded to deserving ROTC students each year Scholarships provide for total tuition costs (in- or out-of-state rates), up to $\$ 16,000$ per year, plus a $\$ 450$ book allowance and a $\$ 1500$ stipend annually. All these benefits may be combined with other scholarship benefits. The Military Sciences Department has additional scholarship incentives worth over $\$ 60,000$ to award to sophomore through senior cadets for academic excellence. Typically, $80 \%$ of all UD ROTC students are on some type of scholarship incentive

Many of the graduating cadets elect to go Active Duty to put their ROTC leadership training into practice The annual salary for a new Second Lieutenant approaches $\$ 30,000$.

For those cadets who request and receive Reserve Forces duty, many receive better civilian jobs (increased pay and responsibility) because of the practical leadership training and experience they gained in the ROTC program

All ROTC graduates serve in some capacity for up to eight years. This may be fulfilled by serving three or four years of active duty service, followed by service in the Army Reserve (USAR), the Army National Guard (ARNG), or in the Individual Ready Reserve (IRR), or by serving eight years in the Reserves or National Guard.

Most UD degree programs accept all 12 military science credits toward graduation. Exceptions are those in the College of Engineering and in the Departments of Medical Technology, Nursing, and Nutrition and Dietetics, each of which accepts 4 credits

Telephone: (302) 831-8213
http://www.udel edu/armyrotc/

## MUSIC

The curricula for undergraduate students majoring in music lead to the degrees Bachelor of Music and Bachelor of Art. The programs in the degree Bachelor of Music are directed to those who intend to become professional musicians. They offer opportunities to major in Music Education, Theory-Composition, or Applied Music (band or orchestral instruments, piano, classical guitar, and voice). The degree Bachelor of Arts offers the opportunity for professional study in music within a liberal arts context. All programs in music provide effective preparation for graduate study.

A minor in music is available in applied music, musical studies, jazz studies or music management studies

Entering majors are expected to demonstrate a high level of musical achievement and aptitude. Placement auditions and musicality tests for those students who wish to enter in the fall semester
should be completed by June 1 of the preceding spring and must be completed before acceptance is granted Acceptance to the University does not indicate acceptance as a music major. Students who transfer from accredited colleges are placed in appropriate levels of music theory, literature, and applied music according to the results of tests given at the time of transfer

Part-time music majors must have the permission of the department chair to enroll for private study.

Credit for large ensembles, as required by various curricula, is given only for participation during the fall and spring semesters. The Department of Music requires the successful completion of a Sophomore Review before continuation as a music major Detailed information about these and other aspects of curricular policy are published in the Department's Student Handbook, available online at http://www udel edu/music/students/reg/stdhndbk html

For the general University undergraduate, the department offers courses in the fundamentals of music, music literature, and class study of voice, organ and piano. All courses in the department are available to any University student who meets course and department prerequisites. Music courses may be taken as partial fulfillment of breadth requirements in the College of Arts and Science Private study is also available to freshmen in the University Honors Program and to other non-majors, on a space-available basis, through the Music Merit Program. Auditions for these programs are held during the first week of the academic year by arrangement with the department office. A variety of performing organizations are available to all University students: marching band, wind and jazz ensembles, choral groups, the early music ensemble, gamelan, opera workshop, steel band, and various chamber ensembles

The department is a leader in the development and implementation of instructional technology. It is a an accredited institutional member of the National Association of Schools of Music.

Telephone: (302) 831-2577
hntp://www.udeledu/music

## DEGREE: BACHELOR OF ARTS MAJOR: MUSIC

CURRICULUM
CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

No more than 45 credits of Music courses may count toward the degree

## Applied Music

MUSC 100 Recital Attendance (four semesters required) ................ ... 0
MUSC 161 Private Study

MUSC 175 Class Piano: Elementary I ..................... ........ ............. ...... 1
MUSC 261 Private Study ......................................................... 2
MUSC 262 Private Study
Theory
MUSC 185/186 Ear Training and Sight Singing I and || ..................... 4
MUSC 195/196 Harmony I and II........... ................................ ...... 6
MUSC 285/286 Advanced Ear Training and Sight Singing I and II .......... 4
MUSC 295/296 Advanced Harmony I and II ...... ........................... 6

## Ensemble

## Four Semesters

Students must consult with the Department for appropriate ensemble
placement. Students must be enrolled in an appropriate ensemble dur-
ing all semesters in which they are enrolled in Private Study.

## Literature

MUSC 211 Introduction to Music History ................................... 3
MUSC 311 Music History: 400-1600.
MUSC 312 Music History: 1600-1827
MUSC 313 Music History: 1825 to the Present

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF MUSIC <br> MAJOR: APPLIED MUSIC-INSTRUMENTAL <br> CONCENTRATION: PRINCIPAL INSTRUMENTS

The concentration designates the student's principal instrument A list of instrumental options can be found in the chart on page vi at the front of this catalog, or can be obtained from the Department or the College of Arts and Science Advisement Center
CURRICULUM
CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)3

```
Three credits in an approved course or courses stressing
``` multicultural, ethnic, and/or gender-related content (see p. 57)

\section*{COLLEGE REQUIREMENTS}

Writing: (minimum grade \(\mathrm{C}_{-}\))3

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculy critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81.)
Mathematics: One of the following
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics) MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics) MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus I
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam ( 0 credits awarded)
English literature course (200-level-Group A or B)
HIST 101 Western Civilization to 1648 ..... 3
HIST 102 Western Civilization: 1648 to the Present ..... 3

\section*{Foreign Language}

Two semesters of the same modern foreign language ..................................... 8
Breadth Requirements (See page 83)
Group A ...
Understanding and appreciation of the creative arts and humanities.
(This requirement is satisfied by MUSC 195 and 196.)
Group B15

The study of culture and institutions over time. Fifteen credits representing at least two areas. (This requirement is satisfied by MUSC 311, 312, 313 , HIST 101, and 102)
Group C9

Empirically based study of human beings and their environment. Nine credits representing at least two areas
Group D
The study of natural phenomena through experiment and analysis.

\section*{MAJOR REQUIREMENTS}

\section*{Applied Music}


Orchestra, MUSC 118 Percussion Ensemble, and MUSC 321 Ensemble
(All Ensembles may be repeated)
Guitarists must complete the following:
MUSC 321 Ensemble: Guitar


\section*{Liferature}

MUSC 211 Introduction to Music History ..... ............................................ 3
MUSC 311 Music History: 400-1600

MUSC 313 Music History: 1825 to the Present ... .................................. 3
Music Elective
3

Music Electives
Excludes private study on primary instrument ......... ............ .... ............. 7-9
May include two credits of ensemble.
CREDITS TO TOTAL A MINIMUM OF ....................................... 130

\section*{DEGREE: BACHELOR OF MUSIC MAJOR: APPLIED MUSIC-PIANO}

CURRICULUM CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-1.................. 3
Three credits in an approved course or courses stressing .........
multicultural, ethnic, and/or gender-related content (see p. 57)

\section*{COLLEGE REQUIREMENTS}

Writing: (minimum grade \(C\) -
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)
Mathematics: One of the following
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics) MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics) MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus 1
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam ( 0 credits awarded)
English literature course (200-level - Group A or B) ................................... 3



\section*{Foreign Language}

Two semesters of the same modern foreign language ... .......................... 8
Breadth Requirements (See page 83)
Group A.
Understanding and appreciation of the creative arts and humanities
(This requirement is satisfied by MUSC 195 and 196.)
Group B
The study of culture and institutions over time Fiffeen credits representing at least two areas (This requirement is satisfied by MUSC 311, 312, 313, HIST 101, and 102.)
Group C
Empirically based study of human beings and their environment. Nine credits representing at least two areas
Group D
The study of natural phenomena through experiment and analysis
MAJOR REQUIREMENTS
Applied Music
MUSC 100 Recital Attendance (six semesters required) ....................... 0
MUSC 161 Private Study ...................................................................... 4
MUSC 162 Private Study
MUSC 261 Private Study
MUSC 262 Private Study
MUSC 361 Private Study
MUSC 362 Private Study
MUSC 461 Private Study

MUSC 301 Junior Recital ..... 0
MUSC 401 Senior Recita ..... 0 ..... 0
Theory
MUSC 185/186 Ear Training and Sight Singing I and II ..... 4
MUSC 285/286 Advanced Ear Training and Sight Singing I and II ..... 4
MUSC 195/196 Harmony I and II ..... 6
MUSC 295/296 Advanced Harmony I and II
4
4
MUSC Theory courses ..... 4-6
Ensemble
Two semesters of any departmental ensemble
MUSC 241 Accompanying Chamber Music: Piano ..... 2
MUSC 242 Accompanying Chamber Music: Piano ..... 1
MUSC 341 Accompanying Chamber Music: Piano ..... - 1
MUSC 441 Accompanying Chamber Music: Piano ..... 1
Literafure
MUSC 211 Introduction to Music History ..... 3
MUSC 311 Music History: 400-1600.3
3
MUSC 312 Music History: 1600-1827 ..... - 3
MUSC 313 Music History: 1825 to the Present ..... 3
MUSC 364 Keyboard Literature il ..... - 3
Music Literature course ..... 3
Music Electives
Excludes private study on primary instrument ..... 6
May include two credits of ensemble.
CREDITS TO TOTAL A MINIMUM OF ..... 133
DEGREE: BACHELOR OF MUSIC
MAJOR: APPLIED MUSIC-VOICE
CURRICULUMCREDITS
UNIVERSITY REQUIREMENTSENGL 110 Critical Reading and Writing (minimum grade C-)3
Three credits in an approved course or courses stressing ..... 3
multicultural, ethnic, and/or gender-related content (see p .57)
COLLEGE REQUIREMENTS
Writing: (minimum grade C-3
A second writing course involving significant writing experience includingtwo papers with a combined minimum of 3,000 words to be submitted forextended faculy critique of both composition and content This coursemust be taken after completion of 60 credit hours Appropriate writingcourses are normally designated in the semester's Registration Booklet(See list of courses approved for second writing requirement, page 81.)
Mathematics: One of the following0.4
MATH 113 Contemporary Marhematics(designed for students who do not intend to continue the study of mathematics)MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)MATH 115 Pre-Calculus(designed for students who intend to continue the study of mathematics)MATH 221 Calculus 1
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam (0 credits awarded)HIST 102 Western Civilization: 1648 to the Present 3
Languages courses (French, German and Ifalian) ..... 24
THEA 226 Acting .....  3
Breadth Requirements (See page 83)
Group A....6Understanding and appreciation of the creative arts and humanities(This requirement is satisfied by MUSC 195 and 196)Group B.12
The study of culture and institutions over time. Twelve credits represent-ing at least two areas. (This requirement is satisfied by MUSC 311,312, 313 and HIST 102.)
Group C ..... 6
Empirically based study of human beings and their environment. Sixcredits representing at least two areas.
Group D3

\section*{MAJOR REQUIREMENTS}

\section*{Applied Music}

MUSC 100 Recital Attendance (six semesters required) ................ ........... 0
MUSC 161 Private Study

MUSC 261 Private Study ........................................................................ 4
MUSC 262 Private Study … ..... ....... ................................................... . 4

MUSC 362 Private Study ............................................................. 4
MUSC 461 Private Study ............................................................... 4
MUSC 462 Private Study ....................................... .............................. 4

MUSC 176 Class Piano: Elementary II................................................ 1
MUSC 275 Class Piano: Intermediate I... ....... ....... ................................. 1
MUSC 276 Class Piano: Intermediate II ................................................... 1
MUSC 301 Junior Recital ........................................................................ 0


\section*{Theory}

MUSC 185/186 Ear Training and Sight Singing I and II
MUSC 285/286 Advanced Ear Training and Sight Singing I and II ............ 4
MUSC 195/196 Harmony I and II ................................. ............... 6
MUSC. 295/296 Advanced Harmony I and II .................................... 6
Ensemble: One of the following (any 8 semesters) .... ........................ 8
MUSC 108 University Singers
or
MUSC 109 Choral Union
or
MUSC: 110 Choral
Liferature
MUSC 211 Introduction to Music History ..................... .... .. ................... 3
MUSC 311 Music History: 400-1600..........................................................................
MUSC 312 Music History: 1600-1827 .................................................... 3
MUSC 313 Music History: 1825 to the Present ...................................... 3

\section*{Related Music Studies}

MUSC 171 Diction: English and Italian ............................................ 1
MUSC 271 Diction: German ..... . ............. ................ ...................... 1
MUSC 272 Diction: French
MUSC 489 Opera Workshop

\section*{Music Electives}

Nine credits from the following: (including four credits . ....... ................. 9 from MUSC 327, 427 and/or 428)
MUSC 103 Introduction to Opera
MUSC 104 Introduction to Opera II
MUSC 327 German Lieder
MUSC 335 Basic Conducting
MUSC 395 Form Analysis
MUSC 397 Contemporary Harmony
MUSC 427 French Art Song
MUSC 428 Twentieth-Century Art Song
MUSC 480 Vocal Pedagogy

\section*{ELECTIVES}

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 134

\section*{DEGREE: BACHELOR OF MUSIC MAJOR: MUSIC EDUCATION-INSTRUMENTAL CONCENTRATION: PRINCIPAL INSTRUMENT}

The concentration designates the student's principal instrument. A list of instrumental options can be found in the chart on page vi at the front of this catalog, or can be obtained from the Department or the College of Arts and Science Advisement Center.
CURRICULUM

\section*{UNIVERSITY REQUIREMENTS}

ENGL 110 Critical Reading and Writing (minimum grade C-1.............. 3
Three credits in an approved course or courses stressing ........ multicultural, ethnic, and/or gender-related content (see p 57)

\section*{COLLEGE REQUIREMENTS}

Skill Requirements
Writing: (minimum grade C-) ........ ....................................................... 3
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course
must be taken after completion of 60 credit hours Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81)
Mathematics: One of the following
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics) MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam (0 credits awarded)
Breadth Requirements (See page 83)
Art or Art History course, to be selected from Group A or B
Group A
Understanding and appreciation of the creative arts and humanities
Nine credits representing at least two departments. (This requirement is partially satisfied by MUSC 195 and 196)
Group B
The study of culture and institutions over time (MUSC 31), 312, and 313 count toward completion of this requirement.)
Group C
Empirically based study of human beings and their environment Nine credits representing at least two areas.
Group D
The study of natural phenomena through experiment and analysis One science course with an associated laboratory

\section*{MAJOR REQUIREMENTS}
MUSC 100 Recital Attendance (six semesters required) MUSC 161 Private Study
MUSC 162 Private Study.
MUSC 261 Private Study
MUSC 262 Private Study
MUSC 361 Private Study
MUSC 362 Private Study

MUSC 461 Private Study

MUSC 175 Class Piano: Elementary I

MUSC 176 Class Piano: Elementary 11



MUSC 301 Junior Recital ...... ..... .............. ... ...... ............... ..... 0

\section*{Theory}

MUSC 185/186 Ear Training and Sight Singing I and II

MUSC 285/286 Advanced Ear Training and Sight Singing I and II

MUSC 195/196 Harmony I and II

MUSC 295/296 Advanced Harmony I and II

MUSC 295/296 Advanced Harmony 1 and II .................................. . 6

MUSC 331 Orchestration

\section*{Ensemble}

MUSC 113 Marching Band …............................................ 3

An additional four credits from MUSC 113, MUSC 114, MUSC 115 ............ 4

\section*{Literature}

MUSC 211 Introduction to Music History ................................... 3



MUSC 313 Music History; 1825 to the Present .... .. ... .... ... ... ............. 3

\section*{Secondary Instruments}

MUSC 214 Stringed Insiruments Class ......................................... 1

MUSC 215 High Brass Instruments Class

MUSC 216 Low Brass Instruments Class.

MUSC 217/218 Woodwind Instruments Class I and II ........ . ... ............. 2

MUSC 219 Percussion Instruments

\section*{Music Methods}

MUSC 287 Music Technology ... .... .............. ................ ............ 3

MUSC 335 Basic Conducting ..................................................... 2

MUED 279 Practicum in Music Education ................................... 3

MUED 337 Instrumental Conducting

MUED 379 Music in the Elementary and Junior High (or Middle) School …... 3

\section*{Music Electives}

Six music electives excluding ensemble and private study on39

\section*{Professional Sfudies}

EDUC 201 Diversity in the Classroom ......................................... 3
EDUC 304 Educational Psychology - Social Aspects .......................... 3
EDUC 305 Educational Psychology - Cognitive Aspects ...................... 3
EDUC 400 Student Teaching
9
The Music Education program requires a certain minimum G.PA for enrollment in EDDV 400, Student Teaching, a course required for the degree. The teacher education program advisor (see list on \(p\) 176) should be consulted for the exact GPA requirements and other policies concerning qualifications for student teaching
CREDITS TO TOTAL A MINIMUM OF ................................... 129

\section*{DEGREE: BACHELOR OF MUSIC \\ MAJOR: MUSIC EDUCATION-GENERAL/CHORAL CONCENTRATION: PIANO}

\section*{CURRICULUM CREDITS}

\section*{UNIVERSITY REQUIREMENTS}

ENGL 110 Critical Reading and Writing (minimum grade C-) \(\ldots \ldots \ldots . . . . . . .\).
Three credits in an approved course or courses stressing ............................ 3
multicultural, ethnic, and/or gender-related content (see p. 57).
COLLEGE REQUIREMENTS
Writing: (minimum grade C-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet.
(See list of courses approved for second writing requirement, page 81 .)
Mathematics: One of the following
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics)
MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus I
MATH 241 Analytic Geomerry and Calculus A
Successful performance on the college proficiency exam ( 0 credits awarded)
Breadth Requirements (See page 83)
Art or Art History course, to be selected from Group A or B

Understanding and appreciation of the creative arts and humanities.
Nine credits representing at least two areas (This requirement is partial-
ly satisfied by MUSC 195 and 196)
Group B
The study of culture and institutions over time (MUSC 311, 312, and 313 count toward completion of this requirement.)
Group C
Empirically based study of human beings and their environment. Nine credits representing at least two areas.
Group D
The study of natural phenomena through experiment and analysis. One science course with an associated laboratory.

\section*{MAJOR REQUIREMENTS}

\section*{Applied Music}
\begin{tabular}{|c|c|}
\hline MUSC 100 & Recital Attendance (six semesters required) \\
\hline MUSC 161 & Private Study (piano) ............................................... 2 \\
\hline MUSC 162 & Private Study (piano) ...... ...... ........... .................... 2 \\
\hline MUSC 261 & Private Study (piano) .... . ........... . ............ ....... ......... 2 \\
\hline MUSC 262 & Private Study (piano) \\
\hline MUSC 361 & Private Study (piano) .................... ....... ........ .... 2 \\
\hline MUSC 362 & Private Study (piano) \\
\hline MUSC 461 & Private Study (piano) \\
\hline MUSC 161 & Private Study (voice) \\
\hline MUSC 162 & Private Study (voice) \\
\hline MUSC 261 & Private Study (voice) \\
\hline MUSC 262 & Private Study (voice) \\
\hline MUSC 480 & Vocal Pedagogy ................. . .i................. 3 \\
\hline MUSC 171 & Diction: English and Italian \\
\hline MUSC 271 & Diction: German \\
\hline MUSC 272 & Diction: French \\
\hline MUSC 301 & Junior Recital \\
\hline
\end{tabular}

\section*{Theory}

MUSC 185/186 Ear Training and Sight Singing I and II .................... 4
MUSC 285/286 Advanced Ear Training and Sight Singing land II ............ 4
MUSC 195/196 Harmony I and II.................................................... 6
MUSC 295/296 Advanced Harmony I and II ............................................ 6
MUSC 397 Contemporary Harmony........................................................... 3
Ensemble: One of the following (any 7 semesters) .. ......... ................. 7
MUSC. 108 University Singers
or
MUSC 109 Choral Union
or
MUSC 110 Choral

\section*{Liferafure}

MUSC 211 Introduction to Music History
MUSC 311 Music History: 400-1600............................................. 3

MUSC 313 Music History: 1825 to the Present .......................................................
MUSC 328 Choral Literature

\section*{Secondary Instruments}

MUSC 214 Stringed Instruments Class............................ ........................... 1
MUSC 215 High Brass Instruments Class
MUSC 217 Woodwind Instruments Class I

\section*{Music Methods}

MUSC 287 Music Technology ......................................................................... 3
MUSC 335 Basic Conducting .... . ........................................................ 2
MUED 279 Practicum in Music Education....
MUED 336 Choral Conducting
MUED 379 Music in the Elementary and Junior High (or Middle) School
MUED 479 Secondary Music Materials and Approaches

\section*{Music Electives}

Three credits of music electives excluding ensemble and
private study on primary instrument. (MUSC 407 recommended)

\section*{Professional Studies}

EDUC 201 Diversity in the Classroom............................................... 3
EDUC 304 Educational Psychology - Social Aspects ……………… 3
EDUC 305 Educational Psychology - Cognitive Aspects ................................. 3
EDUC 400 Sfudent Teaching
To be eligible to student teach, Music Education students must have a g.p.a of 2.75 in their music major and an overall g.p a of 2.5 . Students should consult the teacher education program coordinator (see list on \(\mathbf{p}\).
176) to obtain the student teaching application and other information concerning student teaching policies.

CREDITS TO TOTAL A MINIMUM OF

\section*{DEGREE: BACHELOR OF MUSIC \\ MAJOR: MUSIC EDUCATION-GENERAL/CHORAL CONCENTRATION: VOICE}

\section*{CURRICULUM}

CREDITS

\section*{UNIVERSITY REQUIREMENTS}

ENGL 110 Critical Reading and Writing (minimum grade C-)
Three credits in an approved course or courses stressing ......................
multicultural, ethnic, and/or gender-related content (see p 57).

\section*{COLLEGE REQUIREMENTS}

Writing: (minimum grade \(C\)-)3

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)
Mathematics: One of the following
MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics) MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus I
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam ( 0 credits awarded).

\section*{Breadth Requirements (See page 83)}

Art or Art History course, to be selected from Group A or B ....................... 3
Group A 9

Understanding and appreciation of the creative arts and humanities.
Nine credits representing at least two areas. (This requirement is partial-
ly satisfied by MUSC 195 and 196.)
Group B
The study of culfure and institutions over time (MUSC 311, 312, and 313 count toward completion of this requirement )
Group C 9
Empirically based study of human beings and their environment Nine credits representing at least two areas
Group D
The study of natural phenomena through experiment and analysis. One science course with an associated laboratory

\section*{MAJOR REQUIREMENTS}

\section*{Applied Music}

MUSC 100 Recital Attendance (six semesters required) .........................
MUSC 161 Private Study ... ..................................................

MUSC 261 Private Study . ............................................................ 2
MUSC 262 Private Study ….................................................................. 2
MUSC 361 Private Study .... ........ ......................................................... 2


MUSC 175 Class Piano: Elementary I ................................................. 1
MUSC 176 Class Piano: Elementary II.
MUSC 275 Class Piano: Intermediate I
MUSC 276 Class Piano: Intermediate II
MUSC 171 Diction: English and Italian
MUSC 271 Diction: German
MUSC 272 Diction: French
MUSC 480 ................. .................................. 1


\section*{Theory}

MUSC 185/186 Ear Training and Sight Singing I and II ........................... 4
MUSC 285/286 Advanced Ear Training and Sight Singing I and II ....... 4
MUSC 195/196 Harmony I and II 4
6
MUSC 295/296 Advanced Harmony I and II ......................................... ó
MUSC 397 Contemporary Harmony .............................. ....................... 3
Ensemble: One of the following (any 7 semesters) ............................... 7
MUSC 108 University Singers
or
MUSC 109 Choral Union
or
MUSC 110 Choral
Literature
MUSC 211 Introduction to Music History .......................................................
MUSC 311 Music History: 400-1600...................................................
MUSC 312 Music History: 1600-1827.................................................. 3
MUSC 313 Music History: 1825 to the Present
MUSC 328 Choral Literature

\section*{Secondary Instruments}

MUSC 214 Stringed Instruments Class ................................................... 1
MUSC 215 High Brass Instruments Class ...... ... ..................................... 1
or
MUSC 217 Woodwind Insiruments Class I .................................................... 1

\section*{Music Methods}

MUSC 287 Music Technology ........................................................................ 3

MUED 279 Practicum in Music Education …….............................................. 3
MUED 336 Choral Conducting ...................... ...................................... 2
MUED 379 Music in the Elementary and Junior High (or Middle) School \(\quad . \quad 3\)
MUED 479 Secondary Music Materials and Approaches .......................... 3

\section*{Music Electives}

Three credits of music electives excluding ensemble and ............................... 3
private study on primary instrument (MUSC 407 recommended)

\section*{Professional Studies}

EDUC 201 Diversity in the Classroom.................................................... 3

EDUC 305 Educational Psychology - Cognitive Aspects ................................ 3
EDUC 400 Student Teaching ..................................................................... 9
The Music Education program requires a certain minimum G.PA for enrollment in EDDV 400, Student Teaching, a course required for the
degree The teacher education program advisor (see list on p. 176) should be consulted for the exact G.P.A. requirements and other policies concerning qualifications for student teaching.

CREDITS TO TOTAL A MINIMUM OF

\section*{DEGREE: BACHELOR OF MUSIC MAJOR: THEORY/COMPOSITION CONCENTRATIONS: THEORY/COMPOSITION}

CREDITS

\section*{UNIVERSITY REQUIREMENTS}

ENGL 110 Critical Reading and Writing (minimum grade C-) ................ 3
Three credits in an approved course or courses stressing .................... multicultural, ethnic, and/or gender-related content (see p. 57)

\section*{COLLEGE REQUIREMENTS}

Writing: (minimum grade C-)

\section*{A second writing course involving significant writing experience including} two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken affer completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)

\section*{Mathematics: One of the following}

MATH 113 Contemporary Mathematics
(designed for students who do not intend to continue the study of mathematics)
MATH 114 College Mathematics and Statistics
(designed for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
MATH 221 Calculus I
MATH 241 Analytic Geometry and Calculus A
Successful performance on the college proficiency exam ( 0 credits awarded)

\section*{Modern Languages and History}

Twelve credits in one of the following: French, German ......... ....... ....... 12 or Italian
HIST 101 Western Civilization to 1648
HIST 102 Western Civilization 1648 to
Breadth Requirements (See page 83)
Two 200-level or higher English literature courses selected from6

Group A or B
Group A
Understanding and appreciation of the creative arts and humanities
(This requirement is satisfied by MUSC 195 and 196)

\section*{Group B}

The study of culture and institutions over time Fifteen credits representing at least two areas (This requirement is satisfied by MUSC 311, 312, 313, HIST 101, and 102.)
Group C
Empirically based study of human beings and their environment. Nine credits representing at least two areas
Group D
The study of natural phenomena through experiment and analysis Nine credits in at least two areas.

\section*{MAJOR REQUIREMENTS}

\section*{Applied Music}

MUSC 100 Recital Attendance (six semesters required) ....................... 0
MUSC 175/176 Class Piano: Elementary I and II....
MUSC 275/276 Class Piano: Intermediate I and II
Secondary Instruments and Conducting
MUSC 214 Stringed Instruments Class
MUSC 215 High Brass Instruments Class
MUSC 217 Woodwind Instruments Class I
MUSC 219 Percussion Instruments
MUSC 335 Basic Conducting


\section*{Theory}

MUSC 185/186 Ear Training and Sight Singing I and II
MUSC 195/196 Harmony I and II
MUSC 295/296 Advanced Harmony I and II
MUSC 287 Music Technology
MUSC 331 Orchestration
MUSC 392 Contrapuntal Writing
MUSC 393/394 Keyboard Harmony I and II ..... 4
MUSC 395 Form Analysis ..... 3
MUSC 397 Contemporary Harmony ..... 3
One of the following concentrations (Theory or Composition): ..... 12
Theory Concentration
MUSC 421 Special Projects in Music Theory
MUSC 485 Pedagogy of Theory
MUSC 420 Advanced Composition (two semesters)or
MUSC 420 Advanced Composition (one semester) and
MUSC Theory, literature or applied music elective
Composition Concentration
MUSC 485 Pedagogy of Theory
S 420
Literature
MUSC 211 Introduction to Music History ..... 3
MUSC 311 Music History: 400-1600. ..... 3
MUSC 312 Music History: 1600-1827 .....  3
MUSC 313 Music History: 1825 to the Present
\(\begin{array}{r}. \\ \hline\end{array}\)
MUSC 407 Twentieth-Century Music
Ensemble
A variety of ensembles are recommended, including Chamber ensembles ..... 4
CREDITS TO TOTAL A MINIMUM OF ..... 126

\section*{REQUIREMENTS FOR A MINOR IN MUSIC}

A minimum grade of C is required in each course for music minors.

\section*{MUSIC MINOR: APPLIED MUSIC-PRINCIPAL INSTRUMENT}

This title represents 19 applied music minors, the actual titles of which include the name of the instrument of study le g. Applied Music-Bassoon). A list of applied music minors can be found in the chart on page ix in the front of this catalog, or can be obtained from the Department or the College of Arts and Science Advisement Center
The Applied Music minor is for nonmusic majors with some musical background who wish to continue their musical training on a more formal basis or music majors who wish to receive formal training on an additional instrument. Places in the minor program are dependent upon the total load of the applied faculty member involved. Admission into the Applied Music minor is determined by audition and musicality testing. The requirements are:

CREDITS
MUSC 175 Class Piano
!
Not required of persons minoring in Applied Music-Piano
MUSC 161, 162, 261, 262 Applied Music 8

Lessons will be \(1 / 2\) hour per week and will include a repertory class.
Ensemble
4
Ensemble and private study must be taken concurrently (See Ensem-
ble Policy in the Department of Music Student Handbook) Music
Minors with principal instrument of piano, organ or guitar must refer
to the Department for required ensembles
MUSC 185 and 195 Theory/Composition
5
Music Literature/History
3
(MUSC 101 and 102 do not fulfill this requirement
Any other music history course will do )
Total Credits.
(For Piano minors 20)

\section*{MUSIC MINOR: JAZZ STUDIES}

The Music Minor in Jazz Studies offers a concentrated study of the history, theory, and performance elements of the field of jazz. It is directed towards two groups of students: (1) The non-music major who desires a focused study of jazz and its performance techniques; (2) Music Majors who wish to round out their education in music with a structured study of jazz. For this group, the Minor is an important component in a comprehensive education in Music. The requirements are:

MUSC 181 and 281 Jazz Sryles/Tech
4

MUSC 293 and 294 Jazz Improvisation ..... 6
MUSC 197 Jazz Harmony ..... 3
Total Credits ..... 21

\section*{MUSIC MINOR: MUSIC MANAGEMENT STUDIES}

The minor in music management studies examines the theory and practice of core principles in both the nonprofit and the for-profit sectors of music. The minor is intended for music majors who wish to broaden the scope of their studies and enhance their career options; and non-music majors with musical experience and understanding who wish to develop their careers or further their interest in musicrelated fields.

In declaring the minor, students who are not also music majors will select a music emphasis from the following areas: Music History/Literature, Music Theory/Composition, Jazz, or Applied Music and will complete between 8 and 11 credits of music courses within that area of emphasis.

All students selecting the minor, both music majors and non-music majors, will complete a core component of \(10-12\) credits as follows:
\begin{tabular}{|c|c|c|}
\hline MUSC 388 & Principles of Music Industry Practice & 3 \\
\hline MUSC 389 & Elements of Music Management..... ... & 3 \\
\hline MUSC 309 & Patterns of Patronage . & 3 \\
\hline MUSC 464 & Internship .............. & \(1-3\) \\
\hline \multicolumn{3}{|l|}{Total Credits ............................................................. 18.4} \\
\hline
\end{tabular}

\section*{MUSIC MINOR: MUSICAL STUDIES}

The Musical Studies minor is for nonmusic majors who wish to increase their knowledge and understanding of the history and theory of music. No audition is required for admission into the Musical Studies minor. The requirements are:
\(\begin{array}{ll}\text { MUSC } 185 & \text { Ear Training and Sight Singing I } \\ \text { MUSC } 195 & \text { Harmony I }\end{array}\) 2
3
MUSC 211 Infroduction to Music History 3

or
MUSC 312 Music History: 1600-1827
or
MUSC 313 Music History: 1825 to Present
MUSC Ensemble ................................................
MUSC History/Literature Elective (MUSC 101 ............ 2
fulfill this requirement Any other music history
IUSC The (MUSC 186,196 , \(197,287,385\) )
MUSC Theory Elective (MUSC 186, 196, 197, 287, 385)2-3

Total Credits ............................................................. 18-19

\section*{PHILOSOPHY}

Philosophy provides training in basic methods of reasoning, both clear thinking procedures for everyday decision making and more formal techniques of logical analysis. It examines fundamental issues and ideas about our knowledge and values. It furnishes a critical perspective on the methods and results of other disciplines.

A major, a minor, or a concentration in philosophy is a useful background for many careers including the teaching of philosophy. Majors often go on to graduate work in other arts and science disciplines, as well as to further schooling in law, theology, education, data processing, or business. In general, philosophy offers all students opportunities to develop their critical and analytical skills.

Telephone: (302) 831-2359
http://www.udel.edu/Philosophy/default.html
The American Philosophical Association's national headquarters is on the Delaware campus (http://www.udel.edu/apa/).

\section*{DEGREE: BACHELOR OF ARTS \\ MAJOR: PHILOSOPHY}

CURRICULUM
CREDITS

\section*{See page 78 for University and College requirements.}

MAJOR REQUIREMENTS
PHIL 105 Critical Thinking
or
PHIL 205 Logic
PHIL 201 Social and Political Philosophy .. ...... . .... .............................. 3
or \(\quad\) EHIL 203 Ethics
PHIL 301 Ancient Philosophy .......................................................... 3
PHIL 303 Modern Philosophy .............................................................................
PHIL 305 Twentieth Century Philosophy ......... ...................................... 3
or
PHIL 320 Theory of Knowledge
PHIL 465 Senior Seminar .................................................................... 3
Six additional Philosophy credits at the 300 -level or above ......................... 6
Six additional Philosophy elective credits .................................................. 6
Six credits of multicultural courses, selected in consultation with the ............... 6 advisor, from suitable courses in Philosophy, Black American,
Women's, Jewish, Oriental, Latin American or African Studies. The six hours may include courses in Philosophy which count toward completing the major requirements for the degree.

\section*{ELECTIVES}

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

\section*{REQUIREMENTS FOR A MINOR IN PHILOSOPHY}

A minor in philosophy requires a minimum of 15 credits, consisting of PHIL 105 or 205; PHIL 301 or PHIL 303; an additional 300-level PHIL course; and two PHIL electives.

\section*{PHYSICAL THERAPY}

The Department of Physical Therapy offers a graduate program that prepares students for professional licensure, and counsels undergraduates who are interested in pursuing a pre-physical therapy course of study. These students are admitted to the University as "physical therapy interest" and follow a program of study leading to a baccalaureate degree with a major in one of the traditional disciplines (e.g., biological sciences, psychology, or other choices). A major in a traditional discipline must be declared by the end of the fifth semester. Students receive academic advice by staff members in the advisement center or in their major department. They receive career counseling from faculty in the Physical Therapy Department. Upon graduation from their undergraduate program, students will have the necessary course work that will allow them to compete for admission to graduate programs throughout the United States, including the University of Delaware

Telephone: (302) 831-8910
http://www.udel.edu/PT/index html

\section*{PHYSICS AND ASTRONOMY}

The Department of Physics and Astronomy offers an undergraduate major program leading to the B.S. in physics, with the option of a concentration in astronomy/astrophysics, chemical physics, or materials physics. A B.S degree program in Geophysics is offered with the Geology Department. There are also majors leading to the B.A. in physics and to the B.A. in Physics Education, as well as a minor in physics.

The department maintains a balanced program of instruction for students who wish to acquire some understanding of physics as part of their cultural background, as well as for those who require training in physics in preparation for engineering or scientific careers. Intermediate and advanced courses are offered for students who plan teaching or research careers in physics or related disciplines.

The research activity of the staff of the Physics and Astronomy Department and of the staff of the Battol Research Institute, which is affiliated with the University of Delaware and housed in Sharp Laboratory, is diverse and substantial. Undergraduate participation in research is encouraged.

Telephone: (302) 8.31-2661
http://www.physics udel.edu/

\section*{BACHELOR OF SCIENCE DEGREE IN GEOPHYSICS}

The Geology Department, jointly with the Physics Department, offers a B.S. degree in geophysics. Geophysics involves the use of seismic, gravity, magnetic, and electrical methods to study the structure and tectonic evolution of the eath. Geophysicists may perform such diverse tasks as using ground penetrating radar to detect the presence of buried hazardous wastes to modeling seismic waves to determine the nature of the earth's core-mantle boundary. The geophysics program is designed to produce students well-grounded in both geology and physics, but specifically trained in geophysical principles and techniques.

\section*{DEGREE: BACHELOR OF ARTS \\ MAJOR: PHYSICS}

CURRICULUM
CREDITS
See page 78 for University and College requirements. Note:
MATH 241 Analytical Geometry and Calculus A satisfies the
Mathematics Skills College requirement and is strongly recommended as the first math course for physics majors, unless the placement exam suggests differently.

\section*{MAJOR REQUIREMENTS}

Ordinarily, no more than four credits from among PHYS 201, and 207 may be counted toward graduation requirements; similarly no more than four from among PHYS 202, 208 Students interested in majoring in Physics who have taken an introductory sequence other than PHYS 207-8 should consult with a member of the Physics faculty to consider the need for additional introductory courses, for which some additional credit toward graduation may be given with permission of the Physics chair.
PHYS 207/208 Fundamentals of Physics I and II (strongly recommended) ..... 8
PHYS 201/202 Introductory Physics I and II
Twenty-two credits in Physics, of which fiffeen must be at 22 the 300 -level or higher
One of the following ............. ............................. . ..... ......................... 6-12
MATH 241/242/243 Analytic Geometry and Calculus A, B and C (recommended) or
MATH 221/222 Calculus I and II

\section*{ELECTIVES}

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

\section*{DEGREE: BACHELOR OF SCIENCE \\ MAJOR: PHYSICS}

CURRICULUM
CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade C-)
Three credits in an approved course or courses stressing 3

\section*{COLLEGE REQUIREMENTS}

\section*{Skill Requirements}
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Writing: (minimum grade C-)

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 81)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a given language. Number of credits needed and initial placement will depend on number of years of high school study of foreign language Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups A, B and C is
required with a minimum of six credits in each group. The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities.
Group $B$ : The study of culture and institutions over time
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

Within the Department
Ordinarily, no more than four credits from among PHYS 201, and 207 may be counted toward graduation requirements; similarly no more than four from among PHYS 202, 208. Students interested in majoring in Physics who have taken an introductory sequence other than PHYS 207/208 should consult with a member of the Physics faculty to consider the need for additional introductory courses, for which some additional credit toward graduation may be given with permission of the Physics chair
PHYS 207/208/209 Fundamentals of Physics I, II and III......................... 11
PHYS 306 Computational Methods of Physics ... ..... ............................ 3
PHYS 313 Physical Optics ............................. ............................ 4

PHYS 422 Quantum Mechanics ... ..................................................... 3
PHYS 603/604 Electricity and Magneticism I and II ............................ 6
PHYS 616 Kinetic Theory and Thermodynamics ........... ....................... 3
PHYS 620 Classical Mechanics II ......................................................................
PHYS 621 Fundamentals of Modern Physics ... ...... .......... ............. .... 3
PHYS 645 Electronics for Scientists .......... ............... ... ..... .... ........ 3
PHYS 647 Modern Physics Laboratory ............................................. 3
MATH 241/242/243 Analytic Geometry and Calculus A, B and C........ 12
MATH 302 Ordinary Differential Equations ....................................... 3
MATH 349 Elementary Linear Algebra ........... ................................. 3
One of the following two courses: . ........................................................ 3
$\begin{array}{ll}\text { MATH } 503 & \text { Advanced Calculus for Applications } \\ \text { MATH } 508 & \text { Introduction to Complex Variables and Applications }\end{array}$
CHEM 103/104 General Chemistry

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ............................... 130

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: PHYSICS

CONCENTRATION: ASTRONOMY/ASTROPHYSICS
CURRICULUM
CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing (minimum grade $C$ ) $\ldots \ldots . . . . . . . . . .$.
Three credits in an approved course or courses stressing .........
multicultural, ethnic, and/or gender-related content (see p. 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C -
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a given language Number of credits needed and initial placement will depend on number of years of high school study of foreign language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups A, B and C is
required with a minimum of six credits in each group The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities
Group B: The study of culture and institutions over time.
Group C: Empirically based study of human beings and their environment

## MAJOR REQUIREMENTS

Ordinarily, no more than four credits from among PHYS 201, and 207 may be counted toward graduation requirements; similarly no more than four from among PHYS 202, 208 Students interested in majoring in Physics who have taken an introductory sequence other than PHYS 207/208 should consult with a member of the Physics faculty to consider the need for additional introductory courses, for which some additional credit toward graduation may be given with permission of the Physics chair.
PHYS 133 Introduction to Astronomy .a..................... ................. . 4
PHYS 207/208/209 Fundamentals of Physics I, II and III ...................... 11

PHYS 313 Physical Optics ..... ..... ........ .. .......................................... 4
PHYS 419 Classical Mechanics I........... ............................................. 3
Qussical Mechanics
Quantroduction to Research
Electricity and Magnetism I . ................. ..... .... .......... ........... 3
PHYS 616 Kinetic Theory and Thermodynamics ................................. 3
PHYS 620 Classical Mechanics | ... ....................... .................... ........... 3
PHYS 621 Fundamentals of Modern Physics I ....................................... 3
PHYS 632 Astrophysics ............................................................... 3
PHYS 633 Stellar Astrophysics ...
PHYS 645 Electronics for Scientists
. 3
PHYS 646
MATH 241/242/243 Analytic Geomeiry and Calculus A, B and C ...... 12
MATH 302 Ordinary Differential Equations .......................................... 3
MATH 349 Elementary Linear Algebra ...
.3

GEOL 109 Planets, Asteroids, and Impacts ...... ... ................ ..................

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: PHYSICS <br> CONCENTRATION: CHEMICAL PHYSICS

## CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)
Three credits in an approved course or courses stressing
multicultural, ethnic, and/or gender-related content (see p 57)

## COLLEGE REQUIREMENTS

Writing: (minimum grade C-)
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81 )
Foreign Language:
Completion of the intermediate-level course (107 or 112) in a given language Number of credits needed and initial placement will depend on number of years of high school study of foreign language Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.333233

## DEGREE: BACHELOR OF SCIENCE MAJOR: PHYSICS CONCENTRATION: MATERIALS PHYSICS

CURRICULUM
CREDITS

## UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)3

Three credits in an approved course or courses stressing ....................... 3 multicultural, ethnic, and/or gender-related content (see p 57).

## COLLEGE REQUIREMENTS

## Writing: (minimum grade $C$ -

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content This course must be taken after completion of 60 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 81)

## Foreign Language:

Completion of the intermediate-level course (107 or 112) in a given language Number of credits needed and initial placement will depend on number of years of high school study of foreign language Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.
Breadth Requirements (See page 83)
A total of twenty-one credits from Groups $A, B$ and $C$ is
required with a minimum of six credits in each group The six credits from each group could be from the same area
Group A: Understanding and appreciation of the creative arts and humanities.
Group B: The study of culture and institutions over time
Group C: Empirically based study of human beings and their environment.

## MAJOR REQUIREMENTS

Ordinarily, no more than four credits from among PHYS 201, and 207 may be counted toward graduation requirements; similarly no more than four
from among PHYS 202, 208 Students interested in majoring in Physics who have taken an introductory sequence other than PHYS 207/208 should consult with a member of the Physics faculty to consider the need for additional introductory courses, for which some additional credit toward graduation may be given with permission of the Physics chair
PHYS 207/208/209 Fundamentals of Physics I, II and III ........................ 11

PHYS 313 Physical Optics.................. .... ... ........... ..................... 4
PHYS 419 Classical Mechanics I... ................. .................................... 3
PHYS 422 Quantum Mechanics

PHYS 616 Kinetic Theory and Thermodynamics .......... . ...................... 3

PHYS 624 Introduction to Solid State Physics .............................................. 3
PHYS 645 Electronics for Scientists ................................................. 3
PHYS 646 Instrumentation for Scientists ............................................ 3
PHYS 647 Modern Physics Laboratory
MATH 241/242/243 Analytic Geometry and Calculus A, B and C $\ldots \ldots 12$
MATH 302 Ordinary Differential Equations ............................................ . 3

CHEM 103/104 General Chemistry ....... .... ... ................................. 8

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF ..... 130

## DEGREE: BACHELOR OF ARTS

MAJOR: PHYSICS EDUCATION

CURRICULUM

CREDITS

See page 78 for University and College requirements. Note:
MATH 241 Analytical Geometry and Calculus A satisfies the
Mathematics Skills College requirement and is strongly recommended as the first math course for physics education
majors, unless the placement exam suggests differently.
MAJOR REQUIREMENTS
PHYS 207/208/209 Fundamentals of Physics I, II and III ...................... 11
Nineteen credits, fifteen of which must be at the 300-level or higher ............. 19
MATH 241/242/243 Analytic Geometry and Calculus A, B and C...... 12
CHEM 103/104 General Chemistry ................................................... 8
EDUC 201 Diversity in the Classroom ................................................... 3
EDUC 304 Educational Psychology - Social Aspects ....................................... 3
EDUC 305 Educational Psychology - Cognitive Aspects ................................. 3
SCEN 491 Teaching Science in Secondary Schools
EDUC 420 Reading in the Content Areas. .................... . .... ...... ......... 1
EDUC 400 Student Teaching
To be eligible to student teach, Physics Education students must have a g.p. a of 2.75 in their physics major and an overall g.pa. of 2.5 Students should consult the teacher education program coordinator (see list on $p$. 176) to obtain the student teaching application and other information concerning student teaching policies
CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN PHYSICS

Students in other majors can declare a physics minor, consisting of PHYS 207-208 plus 9 credits from PHYS courses at or above the 300level. Students considering minoring in physics should consult the physics associate chair for advice or prerequisites for these courses and for assignment to an advisor.

## POLITICAL SCIENCE

## AND INTERNATIONAL RELATIONS

The Department of Political Science and International Relations administers undergraduate programs in political science and an interdisciplinary major in international relations.

Telephone: (302) 831-2355
http://www udel edu/POSCISR/index html

## POLITICAL SCIENCE

The Department offers major programs leading to the B.A in Political Science, the B.A in Political Science Education, and a joint program with the Department of Foreign Languages and Literatures leading to a B.A. in French, German, or Spanish/Political Science. Honors degree options are available for all degrees. A minor in political science is also available, as well as a minor in public administration.

Political science majors acquire a broad introduction to the study of government and politics within a liberal arts tradition. Majors are required to complete at least sixty percent of their work in upper-division ( 300 - and 400 -level) courses in four of the five subfields in the discipline, a way to gain appreciation for non-U.S., international, and philosophical topics. Coursework typically helps students develop analytic and communication skills that have lifetime benefits as preparation for a wide array of careers (including law) and active citizenship. Beyond traditional classroom experiences, majors may also engage in several experiential learning opportunities: internships in political organizations, public agencies, and community service agencies; independent research under faculty direction; participation in a department-sponsored study abroad experience. Detailed explanations of requirements and opportunities are available in the department office.

Students changing their major to political science must have completed POSC 105 with a grade of C- or better and completed at least 12 additional hours of University courses. Students must have a minimum of a 2.3 average to change their major to political science. Students transferring into the major from outside the University of Delaware will have their transcripts evaluated by the Department on a case-by-case basis.

The department maintains an advisory program for prelaw students and for students interested in government service.

Except as otherwise indicated, nonmajors may enroll in any political science course without prerequisites.

## DEGREE: BACHELOR OF ARTS <br> MAJOR: POLITICAL SCIENCE

## CURRICULUM

CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

POSC 105 The American Political System .................................. 3
Eighteen credits distributed as follows: ............................................. 18
Nine credits from courses at the 400-level; nine credits from courses
at the 300 or 400 -level.
A student must take at least one course numbered at the 300 or 400 -
level in four of the five fields listed below: (Detailed list available in
department office)
a. American Government and Politics
b. Comparative Government and Politics
c. International Relations
d. Public Administration and Public Policy
e Political Theory
Political Science courses ............. .................... ........................... 9
including courses at the 200-level, POSC 302 Research Methods
(Recommended), Independent Study (POSC 366, 466), POSC 458
Community Service Fieldwork or POSC 464 Fieldwork in Political
Science (Internship)
No more than three courses at the 200 -level can be counted toward the thirty credits required for completion of the major.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS MAJOR: POLITICAL SCIENCE EDUCATION

## See page 78 for University and College requirements.

 MAJOR REQUIREMENTSPOSC 105 The American Political System ..... 3
Eighteen credits distributed as follows: ..... 18Nine credits from courses at the 400 -level; nine credits from coursesat the 300 or 400 -level

A student must take at least one course numbered at the 300 or 400 level in four of the five fields listed below: (Detailed list available in department office )
a. American Government and Politics
b. Comparative Government and Politics
c International Relations
d. Public Administration and Public Policy
e Political Theory
Political Science courses.
including POSC 302 Research Methods (Recommended)
No more than three courses at the 200 -level can be counted toward the thirty credits required for completion of the major

ECON 152 Introduction to Macroeconomics
GEOG 120 World Regional Geography
HIST 104 World History 1648 to Presen
HIST 206 U S History 1865 to the Present

- 3

Additional courses as follows............. ..................................... 12
3 credits of ECON, 6 credits of GEOG, 3 credits of HIST
EDUC 201 Diversity in the Classroom............
EDUC 304 Educational Psychology - Social Aspects
EDUC 305 Educational Psychology - Cognitive Aspects
HIST 491 Planning a Course of Instruction
Planning a Course of Instruction ......................
HIST 493 Seminar: Problems in Teaching History and Social Sciences $\quad 3$
EDUC 420 Reading in the Content Areas
EDUC 400 Student Teaching
To be eligible to student teach, Political Science Education students must have a g.p a of 3.0 in their major and an overall g.p a of 2.75 Students should consult the teacher education program coordinator (see list on p . 176) to obtain the student teaching application and other information concerning student teaching policies

CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS:

POLITICAL SCIENCE OR POLITICAL SCIENCE EDUCATION
A candidate for the Honors Bachelor of Arts in Political Science or Political Science Education must:

1. Fulfill all requirements for the B.A. in Political Science or Political Science Education.
2. Fulfill all the University's generic requirements for the Honors Degree (see page 43 of this catalog).
The Honors credits in the major shall come from at least two different fields within the discipline

## DEGREE: BACHELOR OF ARTS <br> MAJOR: FRENCH, GERMAN, OR SPANISH/POLITICAL SCIENCE

## CURRICULUM

CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

French, German or Spanish/Polifical Science majors must complete all designated courses and any prerequisite courses le.g. for admission to the 200 -level language courses) with no grade below a C
POSC 105 The American Political System ............. .............................. 3
$\begin{array}{lll} & \text { lor other required intro courses) } \\ \text { POSC } 240 & \text { Introduction to International Relations } \\ \text { POSC 270 } & \text { Comparative Politics }\end{array}$


POSC 441 Problems of Western European Politics by Country ........... 3
POSC 442 Problems of Western European Politics ................................. 3
3 additional courses at the 300 or 400 -level with ai least 2 ai
the 400 -level and at least 2 in the area of International Relations ................. 9
In addition to completing the courses listed below, students are required to participate in a semester abroad program sponsored by the Department of Foreign Languages and Literatures (in Paris, or the equivalent, for French; in Bayreuth, or the equivalent, for German; in Granada, or the equivalent, for Spanish)

## One of the following language options:

## French

FREN 2xx, 3xx, 4xx (Prior to semester abroad; FREN 255 recommended) ........... 6
FREN 3xx, 4xx 12
FREN 4xx (literature) (Newark campus only) .......... ................................ .. 3

## German

GRMN 2xx, 3xx, 4xx (Prior to semester abroad; GRMN 255 recommended) .... 6
GRMN 3xx, 4xx ........................................................................... 12
GRMN 4xx (literature) (Newark campus only) 12
3

## Spanish

SPAN 2xx, 3xx, 4xx (Prior to semester abroad; SPAN 255 recommended) .......... 6

SPAN 4xx (literature) (Newark campus only) ....... ................. . ..................... 3
The following courses taken abroad count toward the French, German, or Spanish/Political Science major:

## Political Science

## POSC 441

## French

FREN 306 or FREN 406
FREN 308
FREN 355 or FREN 455
HIST 339
German
GRMN 306 or GRMN 406
GRMN 308
GRMN 355 or GRMN 455
HIST 339

## Spanish

SPAN 306 or SPAN 406
SPAN 308
SPAN 355 or SPAN 455
HIST 339

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

## CREDITS TO TOTAL A MINIMUM OF

Admission and Financial Aid. The departments of Political Science and International Relations and Foreign Languages and Literatures will jointly make decisions regarding admission of students to the program and recommendations for financial aid.

## HONORS BACHELOR OF ARTS: <br> FRENCH, GERMAN, OR SPANISH/POLITICAL SCIENCE

Students wishing to complete an Honors B.A. in French, German, or Spanish/Political Science must:

1. Complete all requirements of the B A. in French, German, or Spanish/Political Science.
2. Complete all the University's generic requirements for the Honors Degree (see page 43 of this catalog).
The Honors credits in the major shall come from both participating departments, and shall include at least two courses at the 300 -level or above.
3. Achieve a cumulative grade point average for all courses in the major of at least 3.400

## REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

The required 15 credits for a minor are distributed as follows:
Lower-division courses: POSC 105
Field requirements: Three courses numbered 300 or above are required and must be taken in two of the five fields of political science, as indicated under requirements for the major. Two of these courses must be at the 400 -level. Students are required to take one additional political science course.

## REQUIREMENTS FOR A MINOR IN PUBLIC ADMINISTRATION

The required 18 credits for this minor are distributed as follows:
Lower-division course. POSC 105, 302, 303.
Field requirements: Any two of three courses numbered 400 or above in Public Budgeting and Financial Management, Organization Theory, and Public Personnel Administration are required. Students are also required to take one additional course from a list of nine political science electives.

## INTERNATIONAL RELATIONS

International Relations (IR) is an interdisciplinary major in the CoIlege of Arts and Science with core ( 24 credits), concentration (18 credits), and regional specialization ( 9 credits) requirements. Students must choose one of four concentrations and one of six regional specializations, as detailed in the curriculum below. An honors degree option is available

Area Studies Programs: Students whose regional specialization is Africa, East Asia, or Latin America should give serious consideration to adding one of the university's Area Studies programs: African Studies, East Asian Studies, and Latin American Studies. Course work in these area studies programs will allow students to develop much richer and deeper knowledge of these regions. Moreover, most of the courses approved for the Regional Specialization within the International Relations major are also approved as fulfilling the Area Studies requirements thereby facilitating a minor or double major with an area studies program.

Study Abroad, Internships, and Undergraduate Research: International Relations majors are strongly encouraged to consider a study abroad experience as a part of their program. Students participating in study abroad programs not only enrich their education through exposure to foreign cultures, but often have the opportunity to take courses, internships, and undertake other educational experiences abroad not otherwise offered in University of Delaware course lists. In many instances, these courses may count towards IR Concentration and Regional Specialization requirements. Similarly, internships and undergraduate research experiences offered from the Newark campus may be applied to IR Concentration and Regional Specialization requirements. Students should check with the IR Program Director when enrolling in study abroad courses and programs, internships, and undergraduate research programs to determine if the specific course, program, or educational experience meets a particular IR major requirement, or, if some major requirement might be waived by means of study abroad, internships, or undergraduate research programs.

Transfer Students: Students changing their major to international relations must have completed POSC 240 with a grade of C or better and completed at least 12 additional hours of university courses. Students must have a minimum of a 2.3 average to change their major to international relations. Students transferring to the major from outside the University of Delaware will have their transcripts evaluated by the director on a case-by-case basis.

## DEGREE: BACHELOR OF ARTS <br> MAJOR: INTERNATIONAL RELATIONS <br> CURRICULUM

CREDITS
See page 78 for University and College requirements. MAJOR REQUIREMENTS
The core consists of 24 hours of course work:
POSC 240 Introduction to International Relations ........ ............. ...... 3
ECON 151 Introduction to Microeconomics
ECON 152 Introduction to Macroeconomics ...........................................
ECON 340 International Economics 3
GEOG 120 World Regional Geography .......................................... 3
One Foreign Languages and Literatures course beyond the .......................... 3
intermediate level taught in the relevant language
One course from:
HIST 102 Western Civilization 1648 to Present
HIST 104 World History 1648 to Present
And one history course from: ......... .......... ................. ...................... . 3
HIST 131 Islamic Near East 1500 to Present
HIST 134 History of Africa
HIST 135 Introduction to Latin American History
HIST 137 East Asian Civilization: China
HIST 138 East Asian Civilization: Japan

## Concentrations

Students must choose one of four $\mathbb{R}$ concentrations: (1) Development, (2)
Diplomacy and World Order, (3) International Political Economy, or (4)
US. Foreign Policy Each concentration requires 18 hours of course
work At least three courses must be taken at the $\mathbf{4 0 0}$-level
in each concentration.

## Development Concentration

Required
POSC 311 Politics of Developing Nations ..... ................................... 3
At least two $(6$ credits) from: ................................................................ 6
POSC 316 International Political Economy
POSC 341 Environment of Multinational Corporations
POSC 362 Diplomacy
POSC 408 Problems of International Relations
POSC 414 Problems of U.S Foreign Policy
POSC 444 Seminar in World Politics
POSC 445 Human Rights and World Politics
POSC 448 Theories of International Relations
POSC 463 The United Nations and World Affairs
POSC 465 Model OAS
POSC 640 International Development Policy and Administration
At least one ( 3 credits) from:
ECON 305 Comparative Economic Systems
ECON 311 Economics of Developing Countries
ECON 341 Environment of Multinational Corporations
ECON 405 Planned Economies
ECON 411 Economic Theory of Developing Countries
ECON 443 International Monetary Economics
Other courses approved to fulfill the
18 credit minimum in addition to courses listed above ............................... 0-6
ANTH 222 Technology and Culture
ANTH 225 Peasant Societies
ANTH 230 Peoples of the World
ANTH 231 Personality and Culture
ANTH 330 Development and Underdevelopment
ANTH 363 Women in Cross- Cultural Development
ANTH 370 Culture/Food Production and Economic Development
ANTH 377 Ecological Anthropology
ANTH 408 The Idea of Race
GEOG 210 Economic Geography
GEOG 236 Conservation: Global Issues
GEOG 422 Resources Development and the Environment
GEOG 460 Women in International Development
HIST 395 Pan Africanism
SOCI 210 Population Problems
SOCl 360 Sociology of Religion
SOCl 361 Race, Power and Social Conflict
SOCl 380 Development and Modernization
SOCI 460 Women in International Development
FREC 410 International Agricultural Trade
FREC 420 Agriculture in Economic Development
PHIL 204 World Religions

Diplomacy and World Order Concentration
Required:
POSC 362 Diplomacy ...... ... ....... .................................................... 3
At least two ( 6 credits) from: ................................................... 6
POSC 313 American Foreign Policy
POSC 316 International Political Economy
POSC 330 Political Terrorism
POSC 333 Communism Fascism and Democracy
POSC 341 Environment of Multinational Corporations
POSC 363 International Law and Organization
POSC 36.5 Model United Nations
POSC 408 International Organization
POSC 409 Problems of International Relations
POSC 414 Problems of US Foreign Policy
POSC 415 Force and World Politics
POSC 444 Seminar in World Politics
POSC 445 Human Rights and World Politics
POSC 448 Theories of international Relations
POSC 463 The United Nations and World Affairs
POSC 465 Model OAS
POSC 604 International Law
At least one ( 3 credits) from:
ECON 305 Comparative Economic Systems
ECON 341 Environment of Multinational Corporations
ECON 443 International Monetary Economics
Other courses approved to fulfill the 18 credit
concentration minimum in addition to courses listed above
ANTH 222 Technology and Culture
ANTH 230 Peoples of the World
ANTH 377 Ecological Anthropology
ANTH 408 The Idea of Race
GEOG 102 Human Geography
GEOG 203 Introduction to Cultural Geography
GEOG 210 Economic Geography
GEOG 236 Conservation: Global Issues
GEOG 422 Resources Development and the Environment
GEOG 426 World Cities in Comparative Perspective
HIST 210 War and Society
HIST 254 Jewish Holocaust 1933-1945
HIST 302 The World in Our Time
HIST 306 History of U.S. Foreign Policy
HIST 351 Europe in Crisis 1919-1945
HIST 481 Seminar in Military History
HIST 483 Seminar in Comparative History
SOCI 210 Population Problems
SOCI 306 Personality and Society
SOCI 320 Personality and Politics
SOCl 360 Sociology of Religion
SOCl 361 Race, Power and Social Conflict
SOCI 460 Women in International Development
FREC 410 International Agricultural Trade
FREC 420 Agriculture in Economic Development
PHIL 204 World Religions

## Political Economy Concentration

Required:
POSC 316 International Political Economy ............ .............................. 3
Af least two (6 credits) from: Cascism, and Democracy
POSC 333 Communism, Factism
POSC 341 Environment of Multinational Corporations
POSC 362 Diplomacy
POSC 409 Problems of International Relations
POSC 414 Problems of U.S. Foreign Policy
POSC 444 Seminar in World Politics
POSC 448 Theories of International Relations
POSC 640 International Development and Policy Administration
At least one ( 3 credist) from:
ECON 305 Comparative Economic Systems
ECON 311 Economics of Developing Countries
ECON 341 Environment of Multinational Corporations
ECON 405 Planned Economies
ECON 411 Economic Theory of Developing Countries
ECON 443 International Monetary Economics
Other courses approved to fulfill the 18 credit
concentration minimum in addition to courses listed above ....................... 0
ANTH 222 Technology and Culture
ANTH 230 Peoples of the World
ANTH 370 Culture/Food Production and Economic Development
ANTH 401 The Idea of Race

GEOG 203 Introduction to Cultural Geography
GEOG 210 Economic Geography
GEOG 236 Conservation: Global Issues
GEOG 422 Resources Development and the Environment
GEOG 426 World Cities in Comparative Perspective
GEOG 460 Women in International Development
HIST 210 War and Society
HIST 302 The World in Our Time
HIST 306 History of U.S. Foreign Policy
HIST 351 Europe in Crisis 1919-1945
SOCI 210 Population Problems
SOCl 380 Development and Modernization
SOCI 460 Women in International Development
FREC 410 International Agricultural Trade
FREC 420 Agriculture in Economic Development

## U.S. Foreign Policy Concentration

Required:
POSC 313 American Foreign Policy ........................................................... 3
At least two ( 6 credits) from: ........................................................................... 6
POSC 330 Political Terrorism
POSC 333 Communism, Fascism, and Democracy
POSC 341 Environment of Multinational Corporations
POSC 362 Diplomacy
POSC 363 International Law and Organization
POSC 408 International Organization
POSC 409 Problems of International Relations
POSC 414 Problems of U S. Foreign Policy
POSC 415 Force and World Polifics
POSC 444 Seminar in World Politics
POSC 445 Human Rights and World Politics
POSC 448 Theories of International Relations
POSC 463 The United Nations and World Affairs
POSC 465 Model OAS
POSC 604 International Law
At least one ( 3 credits) from:
ECON 305 Comparative Economic Systems
ECON 311 Economics or Developing Countries
ECON 341 Environment of Multinational Corporations
ECON 405 Planned Economies
ECON 411 Economic Theory of Developing Countries
ECON 443 International Monetary Economics
Other courses approved to fulfill the 18 credit
concentration minimum in addition to courses listed above ......... ...... ....... 0-6
ANTH 222 Technology and Culture
ANTH 230 Peoples of the World
ANTH 401 The Idea of Race
GEOG 102 Human Geography
GEOG 210 Economic Geography
GEOG 422 Resources Development and the Environment
GEOG 426 World Cities in comparative Perspective
HIST 210 War and Society
HIST 302 The World in Our Time
HIST 306 History of US Foreign Policy
HIST 3.51 Europe in Crisis 1919-1945
HIST 481 Seminar in Military History
HIST 483 Seminar in Comparative History
SOCl 210 Population Problems
SOCI 306 Personality and Society
SOCI 320 Personality and Politics
SOCI 361 Race, Power and Social Conflic
PHIL 204 World Religions

## Regional Specializations

Students must choose one of six regional specializations: (1) Africa, (2)
Asia, (3) Europe, (4) Latin America, (5) Middle East, (6) Russia/Central
Europe. Specializations require 9 hours of course work. At least one course must be at the 400 level in each specialization.

## African Specialization

At least one course ( 3 credits) from: ................................................... 3
POSC 270 Comparative Politics
POSC 311 Politics of Developing Countries
POSC 433 African Politics
POSC 439 Southern African Politics
Any two courses from:
ANTH 225 Peasant Societies
ANTH 260 Sociocultural History of Africa
ANTH 330 Development and Underdevelopment
ANTH 333 Peoples of Africa

| HIST 134 | History of Africa |
| :--- | :--- |
| HIST 330 | Peasants and Revolution in Africa |
| HIST 394 | Africa Since 1900 |
| HIST 395 | Pan Africanism |
| HIST 397 | History of South Africa |
| HIST 439 | Women and Revolution in Africa |
| HIST 440 | Africa Under Colonial Rule |

## Asian Specialization

At least one course (3 credits) from:
POSC 270 Comparative Politics
POSC 311 Politics of Developing Countries
POSC 312 East Asian Political Sysiems
POSC 427 Politics in China
POSC 428 Politics in Japan
POSC 443 China and the World
Any two courses from: .................................................. 6
ANTH 225 Peasant Societies
ANTH 330 Development and Underdevelopment
ECON 305 Comparative Economic Systems
ECON 311 Economics of Developing Countries
ECON 341 Environment of Multinational Corporations
ECON 405 The Planned Economies
ECON 411 Economic Theory of Developing Countries
HIST 137 East Asian Civilization: China
HIST 138 East Asian Civilization: Japan
HIST 270 History of Modern Asia
HIST 368 History of China 1600-1920
HIST 369 History of Japan Since 1900
HIST 370 History of Modern Japan
HIST 390 History of Modern Southeast Asia
HIST 393 History of Modern Vietnam
HIST 479 Studies in Asian History
PHIL 309 Indian Religion and Philosophy
PHIL 310 Chinese Religion and Philosophy

## European Specialization

At least one course ( 3 credits) from:...... ......................... ... ................ 3
POSC 270 Comparative Politics
POSC 310 European Government
POSC 339 Britain and Europe
POSC 441 Problems of European Politics: Countries
POSC 442 Problems of Western European Politics
Any two courses from: .... ........ ............ .... ..... .......... ....... ........... ............ . 6
ANTH 225 Peasant Societies
ANTH 325 Peoples of Europe
ECON 305 Comparative Economic Systems
ECON 318 Economic History of France
ECON 341 Environment of Multinational Corporations
ECON 344 The Making of the European Economy
ECON 348 Industrial Policies of France
ECON 444 Analysis of European Economic Performance
GEOG 454 New Europe: Culture, Geopolitics, Milieu
HIST 264 The Jewish Holocaust, 1933-1945
HIST 313 Modern Germany, 1770-1919
HIST 339 Topics in Modern Europe History
HIST 350 Europe in the Nineteenth Century
HIST 351 Europe in Crisis, 1919-1945
HIST 352 Contemporary European Society
HIST 354 Germany in the Twentieth Century
HIST 373 Modern Ireland, 1534 to Present
HIST 374 History of England to 1715
HIST 375 History of England 1715 to Present
HIST 376 English Legal and Constitutional History
HIST 474 Studies in English History
HIST 475 Seminar in Modern European History
SPAN 308 Contemporary Spain II
GRMN 308 Contemporary Germany II
ITAL 308 Contemporary Italy II
FREN 308 Contemporary France II

## Latin American Specialization

At least one course ( 3 credits) from:
POSC 270 Comparative Politics
POSC 311 Politics of Developing Nations
POSC 426 Latin American Political System
POSC 431 Latin American Politics: Country
Any two courses from: ..
ANTH 225 Peasant Societies
ANTH 327 Peoples of the Caribbean
ANTH 330 Development and Underdevelopment

ANTH 375 Peoples Cultures of Modern Central America
ANTH 380 Peoples Cultures of Mexico Central America
ECON 305 Comparative Economic Systems
ECON 311 Economics of Developing Countries
ECON 341 Environment of Multinational Corporations
ECON 411 Economic Theory of Developing Countries
GEOG 226 Geography of Latin America
HIST 135 Introduction to Latin American History
HIST 331 Caribbean History I
HIST 332 Caribbean History II
HIST 334 History of Mexico
HIST 335 Colonial Latin America
HIST 430 Seminar in 20th Century Latin America
HIST 477 Studies in Latin American History

## Middle East Specialization

At least one course ( 3 credits) from:

## POSC 270 Comparative Politics

POSC 311 Politics of Developing Nations
POSC 377 Arab-Israeli Politics
Any two courses from: .... .............. ............ ..................................... 6
ANTH 330 Development and Underdevelopment
ECON 305 Comparative Economic Systems
ECON 341 Environment of Multinational Corporations
HIST 131 Islamic Near East 1500 to Present
HIST 377 Islamic Movement
HIST 380 Arab-sraeli Conflict

## Russia/Central European Specialization

At least one course ( 3 credits) from:
POSC 270 Comparative Politics
POSC 372 East Central European Politics
POSC 412 Foreign Policy of Post-Soviet Union
POSC 432 Political System Post-Soviet Union
Any two courses from:
ANTH 225 Peasant Societies
ECON 305 Comparative Economic Systems
ECON 405 The Planned Economies
GEOG 454 New Europe: Culture, Geopolitics, Milieu
HIST 358 Russion History, 1801-1917
HIST 359 Soviet Russia, 1917-1990

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: INTERNATIONAL RELATIONS

A candidate for the Honors Bachelor of Arts in International Relations must:

1. Fulfill all requirements for the B. A in International Relations.
2. Fulfill all the University's generic requirements for the Honors Degree (see page 43 of this catalog).
The Honors credits in the major shall come from at least three different departments represented in the International Relations curriculum.

## PSYCHOLOGY

The department of Psychology offers a B.A. degree with a major in psychology, a B A degree with a major in Psychology Education, and a minor in Psychology. In addition, an interdepartmental major between psychology and biology with an emphasis on neuroscience is also available.

Psychology is a biological, behavioral, social, and applied science, whose theories are integral to an understanding of ourselves and our place in the world. Students first learn the fundamentals of biology and psychology and then concentrate on courses that examine the structure and function of the nervous system and its relationship to behavior. Detailed instructions regarding an interdepartmental major are available from the Department or the Arts and Science Advisement Center and Dean's Office.

The courses offered by the Department of Psychology provide students with an understanding of the principles of behavior, of the scientific methods used to derive and add to those principles, and of appropriate ways in which to apply such knowledge. Experimental psychology seeks to isolate in the laboratory the basic processes involved in neural systems, learning, perception, social behavior, personality development, thinking, etc. Applied psychology focuses on methods used to approach problems in settings such as industry, government, and the general community, as well as in the field of mental health. The many aspects of theoretical, experimental and applied psychology are represented in the introductory and 300-level courses, and more advanced courses enable students to pursue special interests in greater depth. Many courses offer experience in laboratory or field research. Laboratory experiences include the study of cognitive, learning, perceptual, physiological, and social processes, and the investigation of clinically interesting phenomena. Facilities are also available, both on campus and at nearby institutions, for computer modeling of psychological processes and for data analysis.

Telephone: (302) 831-2271
http://WWW. Udel.edu/skeen/PSY/PSYhome html

## DEGREE: BACHELOR OF ARTS MAJOR: PSYCHOLOGY

CURRICULUM CREDITS

## See page 78 for University and College requirements.

MAJOR REQUIREMENTS
PSYC 201 General Psychology 3
Note that PSYC 201 is a prerequisite for all of the required higher level PSYC courses.
PSYC 309 Measurement and Statistics 3
Note that PSYC 309 must be taken after the MATH requirement is fulfilled; PSYC 309 is a prerequisite for PSYC 350, 370, 380, $390,310,312,340$
PSYC 415 History and Systems of Psychology
PSYC 415 must be taken after the student has completed the 300 level course requirements
One of the following four courses:
PSYC 301 Personality
PSYC 303 Introduction to Social Psychology
PSYC 325 Child Psychology
PSYC 334 Abnormal Psychology
One of the following four courses:...
PSYC 350 Developmental Psychology
PSYC 370 Research in Personality
PSYC 380 Psychopathology
PSYC 390 Social Psychology
Credit for the lower (e g., PSYC 325) and higher (PSYC 350) level versions of these courses may not both be counted toward the 30 credit major. Both versions may be counted toward the 124 credits for the B A, but if both are taken only credit for the lower numbered version will count toward the major
FOR EXAMPLE:
If PSYC 325 is taken, PSYC 350 cannot count towards the major
If PSYC 301 is taken, PSYC 370 cannot count towards the major
If PSYC 334 is taken, PSYC 380 cannot count towards the major.
If PSYC 303 is taken, PSYC 390 cannot count towards the major
Two of the following four courses:
PSYC 310 Sensation and Perception
PSYC 312 Learning and Motivation
PSYC 314 Brain and Behavior
PSYC 340 Cognition
Two courses at or above the 400 -level
however, PSYC 466 and 468 may not be used to fulfill this requirement
Three credits of any Psychology course
(except PSYC 301, 303, 325 and 334)

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS MAJOR: PSYCHOLOGY EDUCATION

CURRICULUM
CREDITS

## See page 78 for University and Coilege requirements.

## MAJOR REQUIREMENTS

PSYC 201 General Psychology
Note that PSYC 201 is a prerequisite for all of the required higher level PSYC courses.
PSYC 309 Measurement and Statistics
Note that PSYC 309 must be taken after the MATH requirement is
fulfilled; PSYC 309 is a prerequisite for PSYC 350, 370, 380,
$390,310,312,340$
PSYC 415 History and Systems of Psychology
PSYC 415 must be taken after the student has completed the 300 level course requirements.
One of the following four courses:
PSYC 301 Personality
PSYC 303 Introduction to Social Psychology
PSYC 325 Child Psychology
PSYC 334 Abnormal Psychology
One of the following four courses:...................................................... 3
PSYC 350 Developmental Psychology
PSYC 370 Research in Personality
PSYC 380 Psychopathology
PSYC 390 Social Psychology
Credit for the lower (e.g., PSYC 325) and higher (PSYC 350) level versions of these courses may not both be counted toward the 30 credit major. Both versions may be counted toward the 124 credits for the B.A., but if both are taken only credit for the lower numbered version will count toward the major

## FOR EXAMPLE:

If PSYC 325 is taken, PSYC 350 cannot count towards the major
If PSYC 301 is taken, PSYC 370 cannot count towards the major
If PSYC 334 is taken, PSYC 380 cannot count towards the major
If PSYC 303 is taken, PSYC 390 cannot count towards the major
Two of the following four courses:
PSYC 310 Sensation and Perception
PSYC 312 Learning and Motivation
PSYC 314 Brain and Behavior
PSYC 340 Cognition
Two courses at or above the 400 -level
................................. 6
Three credits of any Psychology course
(except PSYC 301, 303, 325 and 334)
Twenty-four credits in the social sciences with
at least three credits in each of the following departments: ... ..... ... 24
Anthropology course
Economics course
Geography course
History course
Political Science course
Sociology course
Six additional credits selected from the social science departments listed above ....6
EDUC 201 Diversity in the Classroom ...................... ......................... 3
EDUC 304 Educational Psychology - Social Aspects ........................ 3
EDUC 305 Educational Psychology - Cognitive Aspects ....................... 3
HIST 491 Planning a Course of Instruction................................ 3
HIST 493 Seminar: Problems in Teaching History and Social Sciences ........ 3
EDUC 420 Reading in the Content Areas .................................... 1
EDUC 400 Student Teaching1
.

To be eligible to student teach, Psychology Education students must have a g.p a of 3.0 in their major and an overall g.p a. of 2.75. Students should consult the teacher education program coordinator (see list on $p$. 176) to obtain the student teaching application and other information concerning student teaching policies

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

A minor in psychology requires 18 credits including PSYC 201; PSYC 309; one course chosen from PSYC 301, 303,325 , or 334 ; one course chosen from PSYC $310,312,314$, or 340 ; one course chosen from PSYC 350, 370, 380, or 390; AND any three credits in psychology (with the following restrictions):
If PSYC 301 is taken, PSYC 370 may not be counted for the minor: If PSYC 303 is taken, PSYC 390 may not be counted for the minor If PSYC 325 is taken, PSYC 350 may not be counted for the minor If PSYC 334 is taken, PSYC 380 may not be counted for the minor.

## RELIGIOUS STUDIES

The Religious Studies undergraduate minor is described as "interdisciplinary" because it involves work in three or more different departments. The general requirements include 15 credits from a list of approved courses. These must include PHIL 204 (World Religions) and at least two courses at the 300 -level or higher in any of the three departments listed. For enrollment forms, course substitutions or exemptions, or a list of the approved courses, contact Professor Alan Fox, Department of Philosophy

Telephone: (302) 831-8077
E-mail: AFOX@udel.edu
http://www.udel.edu/Philosophy/RelStud/

## SOCIOLOGY AND CRIMINAL JUSTICE

The Department of Sociology and Criminal Justice administers separate undergraduate programs in Sociology and in Criminal Justice.

Telephone: (302) 831-2581
htip://wwW.udel edu/soc/homepage.htm

## SOCIOLOGY

The sociology major is designed to provide students with a broad understanding of the dynamics of society and social relations. The curriculum include core courses in social theory and research methods and emphasizes flexibility by allowing students to design a program that fits their particular needs and objectives. There are also concentrations in Data Analysis, Health Services, Law and Society, and Social Welfare Students changing to the Sociology major from other programs at UD must have a G.P.A of 2.0 or better
Field Experience: One important feature of the sociology major program is a field experience in the data analysis, health services, law and society, and social welfare concentrations. Each field experience involves placement of students in various organizations and departments related to their area of interest, including city offices and agencies, hospitals and other health care organizations, human services and welfare agencies, and law offices and research bureaus. These field placement programs are offered during the winter session and involve four hours of pass/fail course credit. This credit is considered part of the student's related studies requirement.

Over a five-week period students are placed in the field between 120 and 180 hours, depending upon the nature of the work and the need of the student In addition, students in each field placement meet in a two-hour weekly seminar (for five weeks) to discuss and analyze their experiences.

Advantages of the Field Experience Program

- Provides preprofessional training within selected areas of the student's choice.
- Offers future job-related experience with academic supervision and for academic credit.
- Includes certification of these concentrations by the department, which may be beneficial in obtaining employment.
- Offers increased flexibility for the student by allowing choices among various focused, directed concentrations.


## DEGREE: BACHELOR OF ARTS <br> MAJOR: SOCIOLOGY

CURRICULUM
CREDITS
See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

SOCI 201 Introduction to Sociology .............................................. 3
SOCI 301 Introduction of Sociological Research ... .............................. 4
SOCl 312 Theories of Society
Seven Sociology courses with no more than 12 credits at the 200 -level
At least 6 credits must be at the $400-\mathrm{level}$ or higher, but cannot be ful-
filled with 400 -tevel directed study courses (466).
Five courses in related subjects chosen in consultation with
the advisor, normally from among the following departments: Eco
nomics, Black American Studies, Criminal Justice, Geography, History,
Philosophy, Political Science and International Relations, Psychology, and Statistics.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: SOCIOLOGY <br> CONCENTRATION: DATA ANALYSIS

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
SOCl 201 Introduction to Sociology ........................................... 3
SOCl 301 Introduction of Sociological Research ................................... 4
SOCl 312 Theories of Society .......................................................... 3
SOCl 401 Advanced Sociological Methods ............................................. 3
SOCl 411 Techniques of Demographic Analysis ... .......................... 3

Any five other courses in Sociology, with no more than 12 credits............... 15 at the 200 -level At least 6 credits must be at the 400 -level or higher, but cannot be fulfilled with 400-level directed study courses (466).
SOCl 412 Practicum
This course is required but does not count as part of the thirty-four Sociology credits for the major
STAT 201 Introduction to Statistics I...................... ............................. 3

Three courses chosen from the following: ........................ . .... ..... .. 9-11
GEOG 250 Computer Methods in Geography
GEOG 470 Computer Carfography
PHIL 245 Ethical Issues in Scientific Research
PHIL 320 Theory of Knowledge
ECON 422 Econometric Methods and Models 1
STAT 418 Sampling Methods
STAT 420 Data Analysis and Nonparametric Statistics
ELECTIVES
After required courses ore completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: SOCIOLOGY <br> CONCENTRATION: HEALTH SERVICES <br> CURRICULUM CREDITS

See page 78 for University and College requirements.
MAJOR REQUIREMENTS
SOCl 201 Introduction to Sociology ...................................................
SOCl 301 Introduction of Sociological Research ......... ........ .............. 4


SOCI 311 Hospitals.
311 Hospitals ..... 3
SOCI 312 Theories of Society.1.5 at the 200 -level. At least 6 credits must be at the 400 -level or higher, but cannot be fulfilled with 400 -level directed study courses (466) (SOCl 341 and 348 recommended for those interested in medical social work)
SOCI 410 Health Services Practicum and Seminar.4

This course is required but does not count as part of the thirty-one Sociology credits for the major
Eleven additional credits of related work are required and will be selected in consultation with the student's advisor. Departments offering courses filling the needs of health concentration students include Anthropology, Business Administration, Science and Culture, Economics, Individual and Family Studies, Philosophy, Psychology, and Women's Studies

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS

MAJOR: SOCIOLOGY
CONCENTRATION: LAW AND SOCIETY

## CURRICULUM

CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
SOCl 201 Introduction to Sociology ............................................. 3
SOCl 301 Introduction of Sociological Research ................... 4


- SOCl 345 Sociology of Law .................................................... 3
- SOCl 456 Lawyers and Society .................................................. 3
-- SOCl 495 Law and Society Practicum and Seminar ......................... 4
This course is required but does not count as part of the thirty-one
Sociology credits for the major
Any five other courses in Sociology, with no more than 12 credits.................. 15 at the 200-level. At least 6 credits must be at the 400 -level or higher, but cannot be fulfilled with 400 -level directed study courses (466).
Suggested courses for the study of family/gender include:
SOCl 202 Social Deviance
SOCl 213 Men and Women in American Sociery
SOCI 303 Juvenile Delinquency
SOCI 308 The Family
SOCl 330 Population, Law and Society
SOCl 407 Sociology of Sex and Gender
Suggested courses in the organization/work area:
SOCl 327 Sociology of Organizations
SOCI 330 Population, Law and Society
SOCI 355 Computers, Ethics and Society
SOCl 428 Corporate Crime
SOCI 450 Political Sociology
Twelve credits from the following courses are recommended: .......... ............ 12
CRJU 320 Introduction to Criminal Law
CRJU 347 The Jury: Guilty or Not Guilty
CRJU 357 Seminar on the Police
CRUU 425 Criminal Law and Social Policy
CRJU 4xx Contemporary Debates
POSC 402 Civil Liberties I
POSC 404 The Judicial Process
POSC 405 Constitutional Law of the $U S$
POSC 406 Civil Liberties II
PHIL 201 Social and Political Philosophy
PHIL 446 Philosophy of Law
HIST 301 The Worker in American Life
HIST 309 U S Business and Political Economy
A second writing course in any department
A course in oral communication is suggested
A course in oral communication is suggested


## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
CREDITS TO TOTAL A MINIMUM OF ..... 124

## DEGREE: BACHELOR OF ARTS <br> MAJOR: SOCIOLOGY <br> CONCENTRATION: SOCIAL WELFARE

## CURRICULUM

CREDITS

## See page 78 for University and College requirements.

## MAJOR REQUIREMENTS

SOCl 201 Introduction to Sociology ............................................... 3
SOCl 301 Introduction of Sociological Research
SOCl 312 Theories of Society ....... ...........
SOCl 341
SOCl 348 Theories of Social Work Practice
SOCl 441 Social Welfare Practicum and Seminar ........................ 4
This course is required but does not count as part of the thirty-one Sociology credits for the major
Any five courses in Sociology, no more than 12 credits at the 200 -level.
At least 6 credits must be at the 400 -level or higher, but cannot be ful-
filled with 400 -level directed study courses (466) The following courses
are recommended:
SOCI 202 Social Deviance
SOCl 204 Urban Communities
SOCl 303 Juvenile Delinquency
SOCl 304 Criminology
SOCl 305 Social Class and Inequality
SOCl 308 The Family
SOCl 346 Sociology of Aging
SOCI 361 Race, Power and Social Conflict
SOCl 448 Community Based Treatment
Eleven additional credits of related work are required
and may include the following:
POSC 411 Politics and Poverly
PSYC 301 Personality
PSYC 322 Psychology of Adjustment
PSYC 325 Child Psychology
PSYC 334 Abnormal Psychology
EDCE 334 Experiential Education
|FST 235 Survey in Child and Family Services
or
Other courses chosen with the approval of the advisor

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree

CREDITS TO TOTAL A MINIMUM OF

## DEGREE: BACHELOR OF ARTS <br> MAJOR: SOCIOLOGY EDUCATION

CURRICULUM

See page 78 for University and College requirements.
MAJOR REQUIREMENTS
SOCl 201 Introduction to Sociology ...................................................... 3
SOCl 301 Introduction of Sociological Research ................................ 4
SOCl 312 Theories of Society .........................................................................
Seven Sociology courses, with no more than 12 credits
at the 200-level At least 6 credits must be at the 400 -level or higher,
but cannot be fulfilled with 400 -level directed study courses (466)
Twenty-four credits in the social sciences with
at least three credits in each of the following departments: ..................... 24
Anthropology course
Economics course
Geography course
History course
Political Science course
PSYC 201 General Psychology
Six additional credits selected from the social science departments listed above ... 6
EDUC 201 Diversity in the Classroom.
EDUC 304 Educational Psychology - Social Aspects
EDUC 305 Educational Psychology - Cognitive Aspects ... ......................... 3
EDUC 420 Reading in the Content Areas .... ............................................ 1
HIST 491 Planning a Course of Instruction .... 3
HIST 493 Seminar: Problems in Teaching History and Social Sciences ..... 3
EDUC 400 Student Teaching …… ............................................ 9
To be eligible to student teach, Sociology Education students must have a g.p a. of 30 in their major and an overall g p.a of 275 . Students should
consult the teacher education program coordinator (see list on $p$ 176) to obtain the student teaching application and other information concerning student teaching policies.

## CREDITS TO TOTAL A MINIMUM OF

## REQUIREMENTS FOR A MINOR IN SOCIOLOGY

The minor in sociology requires SOCI 201 plus 15 credits in sociology, with at least 9 credits at or above the 300 -level. SOCI 301 or 312 is required or an equivalent course in another social science discipline, such as PSYC 309,405 , ECON 422, 426, STAT 205, POSC 302,434 or 435

## CRIMINAL JUSTICE

The Criminal Justice major program is structured around a core of criminal justice courses on such topics as law enforcement, the judicial process, juvenile justice, corrections, and the criminal law. The Criminal Justice curriculum includes courses in political science, psychology, and at least one foreign language, as well as in sociology

Students may become criminal justice majors in one of two ways. First, any incoming freshman or transfer student may choose criminal justice as a major. These students are expected to demonstrate both the ability and the commitment to perform well in all of their course work. Those who do not should meet with their advisor to discuss ways to improve their study skills and/or the possibility of selecting another major. Second, matriculated students who have already declared another major or who presently are undeclared may transfer into the Criminal Justice Program after they have completed a minimum of 30 credit hours and if their overall cumulative average at the University of Delaware is at least 2.3.

Double Major: With the permission of the dean of the college and the department chair a student may elect to fulfill requirements for two majors such as criminal justice and English (for a career in journalism), criminal justice and chemistry (for a career in forensic science), criminal justice and political science (for a career in court administration), criminal justice and psychology (for a career in corrections), or criminal justice and sociology (for a career in related fields).

## DEGREE: BACHELOR OF ARTS <br> MAJOR: CRIMINAL JUSTICE

CURRICULUM
CREDITS
See page 78 for University and College requirements.
MAJOR REQUIREMENTS
CRJU 110 Introduction to Criminal Justice ....................................................
CRU 201 Problems of Law Enforcement


Criminal Justice courses at the 300 or 400 -level ...................... 18
SOCI 201 Introduction to Sociology ................................................. 3
SOCI 301 Introduction of Sociological Research ................................. 4
POSC 105 The American Political System ....... .................. ....................... 3
PSYC 201 General Psychology
One of the following four courses: ....... ................. ................................ 3
PSYC 301 Personality
PSYC 303 Introduction to Social Psychology
PSYC 325 Child Psychology
PSYC 334 Abnormal Psychology
One of the following three courses: 3
POSC 402 Civil Liberties I
POSC 405 Constitutional Law of the United States
POSC 406 Civil Liberties II

## ELECTIVES

After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## STATISTICS

(See Mathematical Sciences)

## THEATRE

The B. A in Theatre Production is designed for those students who are interested in learning about the production areas of the theatre, i.e., Costume Production, Stage Management and Technical Production, and who desire the opportunity to explore these production areas through the prescribed course work and laboratory experiences of a major: Students' practical experiences in the production areas described above will include participating in the production of plays of the Professional Theatre Training Program (a graduate-level conservatory).

The Theatre Department also offers a theatre minor designed to deepen the student's appreciation of the theatre as a liberal art. The courses are designed to give the student a foundation in the viewing of theatre, as well as the art and craft of the theatre.

The Theatre Department also provides the University with a variety of general education courses in theatre designed to expand appreciation for, and future participation in, theatre. Students interested in performance opportunities should contact one of the amateur theatre groups on campus: E-52, Harrington Theatre Arts, Bacchus Players, or Black Student Theatre.

Telephone: (302) 831-2201
http://www.udel edu/theatre/

## DEGREE: BACHELOR OF ARTS MAJOR: THEATRE PRODUCTION

CURRICULUM ..... CREDITSSee page 78 for University and College requirements.MAJOR REQUIREMENTS
THEA 102 Introduction to Performance. ..... 3
THEA 104 Introduction to Theatre ..... 3
THEA 200 Introduction to Theatre Production. ..... 3
THEA 202 Introduction to Theatre Design ..... $\begin{array}{r}3 \\ +\quad 3 \\ \hline .3\end{array}$
THEA 203 Introduction to Costuming for the Stage ..... 1
THEA 407 Thearre Practicum for Majors6
THEA 300 Fundamentals of StagecraftTHEA 302 Fundamentals of Stage Lighting
THEA 305 Fundamentals of Costume Production
Or other courses as approved by advisor
Two of the following: ..... 6
ENGL 208 Introduction to Drama
ENGL 324 Shakespeare
Or other courses as approved by advisor
ELECTIVESAfter required courses are completed, sufficient elective credits must be takento meet the minimum credit requirement for the degree. Additional credits inthe major may be taken, not to exceed a total of 45 credits in the major.
CREDITS TO TOTAL A MINIMUM OF ..... 124
REQUIREMENTS FOR MINOR IN THEATRE
THEA 104 Insroduction to Theatre ..... 3
3
THEA 226 Fundamentals of Acting ..... 3
Theatre Electives at the 200-level ..... 6
Theatre Electives at the 300 -level

## WOMEN'S STUDIES

The Women's Studies Interdisciplinary Program is designed to foster in undergraduate students a knowledge of the rich heritage, challenges, and concerns of women. The program offers a B.A.
18
TOTAL CREDITS
degree in Women's Studies, with an Honors Degree option and a minor in Women's Studies. In addition to being a unique field of study with its own philosophies, methodologies, and materials, both the major and the minor in Women's Studies provide vehicles for reexamining the traditional scholarly disciplines in order to identify and correct misinformation and unexamined assumptions about "women's place" in human history. In the process, Women's Studies challenges disciplinary boundaries, encourages research on women within existing disciplines, and requires an understanding of the interplay among gender, culture, race, sexual orientation and class in human experience

This program offers introductory core courses, upper-division courses, seminars, and colloquia An internship is also available that provides students an opportunity to integrate what they have learned in the classroom with the practical competencies that can only be gained from actual experience Both the courses and the internship introduce and analyze areas of scholarship and knowledge that have largely been excluded from conventional disciplines.

Interdepartmental majors and double majors are also options No minimum grade point average is required to begin, but students must not be on probation at the time.

Telephone: (302) 831-8474
http://www udel edu/WomensStudies/index html

## DEGREE: BACHELOR OF ARTS <br> MAJOR: WOMEN'S STUDIES

CURRICULUM
See page 78 for University and College requirements. MAJOR REQUIREMENTS
WOMS 201 Introduction to Women's Studies .... .... ............... 3
WOMS/PHIL 216 Introduction to Feminist Theory ...... . ........................ 3
Six credits in Women's Studies courses cross-lisfed with History ................ 6 and/or humanities departments chosen from the following list fonly sections cross-listed with WOMS):
WOMS 203/PHIL 202 Contemporary Moral Problems
WOMS/PHIL $210 \quad$ Women and Religion
WOMS/ENGL 214 Literature and Gender
WOMS 242/ARTH 240 Women and Art
WOMS/EDST/HIST 290 History of Women and Education
WOMS/ARSC 293 Honors Short Course
WOMS/HIST 300 Women in American History
WOMS/ENGL 318 Studies in Film
WOMS/FLIT $320 \quad$ Varying Authors and Genres
WOMS/FILT 324 Topics: French Literature in Translation
WOMS/FLLT 325 Topics: German Literature in Translation
WOMS/FLLT 326 Topics: Hispanic Literature in Translation
WOMS/FILT 328 Topics: Japanese Literature in Translation
WOMS/FLLT 330 Varying Authors, Themes, and Movements
WOMS/PHIL 338 Topics in Philosophy and Gender
WOMS/ENGL 353 Twentieth Century British Literature
WOMS/ENGL 380 Women Writers
WOMS/ENGL 381 Women in Literature
WOMS/ENGL 382 Studies in Multicultural Literature in English
WOMS/HIST 409 Varieties of Modern Feminism
WOMS/ENGL 465 Studies in Literature Genres, Types, and Movements
WOMS/HIST 475 Seminar in Modern European History
WOMS/ENGL 480 Seminar

Six credits in Women's Studies courses or courses cross-listed with
social science departments chosen from the following list:
WOMS/SOCI 206 Women and Work
WOMS/SOCI 211 Men, Conflict, and Social Change
WOMS/SOCI 213 Men and Women in American Sociery
WOMS/LING 222 Language and Gender
WOMS 240
WOMS/POSC 323 Introduction to Women and Politics
WOMS/PSYC 333 Psychology of Women
WOMS/CRJU 350 Women and Criminal Justice
WOMS/ANTH 363 Women in Cross-cultural Perspective
WOMS/IFST 401 Foundations of Human Sexuality
WOMS/SOCI 407 Sociology of Sex and Gender
WOMS/POSC 413 Problems in American Government
WOMS/SOCl 415 Race, Class, and Gender
WOMS/IFST 430 Teaching Family Life
WOMS/POSC 436 Politics and Literature
WOMS/SOCI/GEOG/IFST 460 Women in International Development
WOMS/SOCl 607 Sociology of Sex and Gender
Three credits in WOMS sciencerelated courses chosen from the following list:
WOMS/CSCC 233 Women, Biology, and Medicine
WOMS/ANTH 305 The Evolution of Human Sex Roles and Reproduction
WOMS/CSCC/PHIL 389 Topics: Women and Health Issues
Nine additional credits in courses in Women's Studies or cross-listed with Women's Studies. These may include, but are not limited to, courses listed under Women's Studies Humanities, Social Sciences, and Science-Related Courses, which have not been used to satisty those requirements.

## ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.
CREDITS TO TOTAL A MINIMUM OF

## HONORS BACHELOR OF ARTS: WOMEN'S STUDIES

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Women's Studies.
2. All of the University's generic requirements for the Honors Baccalaureate degree (see page 43 of this catalog)
The Honors credits required in the major must be in courses in Women's Studies or courses cross-listed with Women's Studies.

## REQUIREMENTS FOR A MINOR IN WOMEN'S STUDIES

A minimum of 18 credit hours is required, which must include the following:

WOMS 201 Introduction to Women's Studies ................................... 3
Two courses in WOMS or cross-listed with WOMS at or above the 300 -level..... 6
Three elective courses in WOMS or cross-listed with WOMS ..................... 9
Note: No more than 9 credits may be taken in any one department. No more than 6 credits in WOMS experimental courses ( $\times 67$-numbered) may be counted toward the 18 -credit requirement
A minimum grade of C - is required in each course.

