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# College of Arts and Science

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

- Jewish Studies
- Latin American Studies
- Legal Studies
- Linguistics and Cognitive Science
- Mathematical Sciences and Statistics
- Medical Humanities
- Medieval Studies
- Military Science
- Music
- Philosophy
- Physical Therapy
- Physics and Astronomy
- Political Science, International Relations, and Public Administration
- Psychology
- Religious Studies
- Sociology and Criminal Justice
- Theatre
- Women's 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.

Students enrolled in the College of Arts and Science may choose among a number of degree programs and options designed to permit undergraduates 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 acquaintance with, and appreciation of, the materials and methodologies of each area and, ideally, 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 should develop a heightened understanding of all 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 should acquire perceptions, skills, and atti-

tudes that will assist them in achieving a full and satisfying life as contributing members of society

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 section of this catalog.

#### ADVISEMENT

**S**tudents 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 regularly 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.

**Physical Education.** A maximum of two credits of HPER 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., a French 105 course would not be considered if taken after French 107; similarly, a Math 115 course would not be acceptable if taken after a Math 221 course.

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

#### **MAJOR OPTIONS**

**5** *ingle 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 normally 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 would be 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, 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.

CORE CURRICULUM CREDITS

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#### 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 650 on the College Board Achievement Test in English Composition 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. 20).

#### 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 62 credit hours. Appropriate writing courses are designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 59)

#### 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 Pre-Calculus
(designed for students who intend to continue the study of mathematics)
or

Successful completion of any mathematics course at or above the 200-level except MATH 251 or MATH 252

or Successful performance on a proficiency test in mathematics administered by the Department of Mathematical Sciences through the College of Arts and Science Advisement Center

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 a given foreign language (ancient or modern). 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.

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Thirteen credits of courses representing at least two departments or appropriate instructional units and including a minimum of one course with an associated laboratory

Twelve credits of courses representing at least two departments or

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 60-64.

#### **BACHELOR OF SCIENCE**

**5** tudents whose goals indicate a high level of concentration or specialization may elect to fulfill requirements for the Bachelor of Science degree 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 (BALS.) 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 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, involve 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 BALS 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 will expect 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 (AA) and Associate in Science (AS) may be awarded upon application before completion of a prescribed curriculum. Information regarding admission requirements and eligibility for the associate degree programs may be found in the Undergraduate Admissions section of this catalog.

Associate Degrees from the College of Arts and Science. The non-terminal degrees of Associate in Arts and Associate in Science may be awarded upon application before completion of 75 earned credit hours. 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

or in the contract of the cont		
Writing		
ENGL 110 (minimum grade C-)	 	3
or		
Exemption		0
Multicultural Course (see p. 20)		
SKILL REQUIREMENTS		
Mathematics		
MATH 114		3

or				
MATH 115	 	General Control	, in	 3
or				 i

Proficiency Test	
Foreign Language	
Elementary Level	<u></u>
or Proficiency Test	

#### 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. Creditve Aris and Floridalines	
Group B. Culture and Institutions through Time 9	
Group C Humans and Their Environment	
Group D. Natural Phenomena	,
At least one course in Group D must be a laboratory science	

#### ELECTIVES

#### **Elective Courses**

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

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#### **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 requirements must be taken for a regular grade, not pass/fail.

CURRICULUM	CREDITS
UNIVERSITY REQUIREMENTS	
Writing	
ENGL 110 (minimum grade C-)	
or Exemption	0
Multicultural Course (see p. 20)	
SKILL REQUIREMENTS	
Mathematics	
MATH 221-222	
or MATH 241-242	8
Foreign Language	
Required if there is a language requirement for the corresponding Bachelor of Science degree	The second second
Elementary Level	4
or Proficiency Test	
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 depart-	
ment or program will not satisfy the distribution requirement	
Group A. Creative Arts and Humanities	9
Group B. Culture and Institutions through Time	
Group C Humans and Their Environment	<b>9</b>
Group D Natural Phenomena At least one course in Group D must be a laboratory science.	:
ELECTIVES	
Elective Courses	
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
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Academic Advisement is available in the College of Arts and Science Advisement Center, 102 Elliott Hall.

#### **DEAN'S SCHOLAR PROGRAM**

Each year some undergraduate colleges consider 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.

#### **TEACHER EDUCATION PROGRAMS**

The College of Arts and Science offers teacher education programs in twenty-three areas for students who wish to prepare themselves to be certified teachers in Delaware or in twenty-seven other states and the overseas dependent schools. For secondary certification (high school, junior high school, middle school), programs are offered in biology, chemistry, earth sciences, English, foreign languages (Classics, 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)

Each degree program in teacher education requires a certain minimum G.P.A. for enrollment in EDDV 400, Student Teaching, a course required for the degree. The appropriate teacher education program advisor (see list on p. 127) 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 Education section of this catalog

#### PREMEDICINE AND PREDENTISTRY

Preparation 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 117A, Wolf Hall) coordinates advisory services for all students preparing for admission to health-related professional schools. Call 831-2282 for information.

#### **MEDICAL SCHOLARS PROGRAM**

The Medical Scholars Program has been developed by the Universitv of Delaware and Jefferson Medical College in Philadelphia to educate men and women to meet society's changing health care demands. This unique approach to medical studies unifies college, medical school, and residency years by integrating liberal arts, science, 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, 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 the University of Delaware. For information, contact Professor Paul Durbin at 831-8202.

#### 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 involving 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

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 Socia	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
A B.T. L. O. L. O.	The both of the state of the st

ARTH 310 ARTH 402 The Role of the Artist in Society

Undergraduate Seminar; History of Art **ARTH 405** 

Seminar in Greek and Roman Art

**ARTH 406** Seminar in Medieval Art

Seminar in Northern Renaissance Art **ARTH 408** 

**ARTH 413** Seminar in Italian Renaissance Art ARTH 417 Seminar in Northern Baroque Art

Seminar in Twentieth Century Art **ARTH 423 ARTH 429** Seminar in Modern Architecture

Seminar in American Architecture **ARTH 431** 

Seminar in American Art **ARTH 435** 

#### Arts and Science (ARSC)

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

#### Biology (BISC)

BISC 330	Biology of Vision
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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 SOCI 415 and WOMS 415)

BAMS 432 Psychological Perspectives on the Black American (cross-listed with PSYC 416)

#### Center for Science and Culture (CSCC)

Computers, Ethics and Society (cross-listed with SOCI 355) Literature and Science (cross-listed with ENGL 368) CSCC 355

CSCC 368

CSCC 385 History of Biological Ideas (cross-listed with HIST 385)

Seminar in American History (cross-listed with HIST 411)
Medical Ethics (cross-listed with PHIL 444) CSCC 411

CSCC 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 438 Speech and Language in Human Behavior

COMM 452 Communication, Power and Values

COMM 485 Analysis of Verbal Communication

#### Comparative Literature (CMLT)

CMLT 311	Twentieth-Century Literature I (cross-listed with FLLT 311)
CMLT 312	Twentieth-Century Literature II (cross-listed with FLLT 312)

Theatre/Drama: Classic/Medieval (cross-listed with THEA 341) CMLT 341

Theatre/Drama: Renaissance to 1700 (cross-listed with THEA 342) **CMIT 342** 

Theatre/Drama: 1700 to 1900 (cross-listed with THEA 343) **CMIT 343** 

**CMIT 344** 

Theatre/Drama: 1900 to Present (cross-listed with THEA 344) Seminar (cross-listed with ENGL 480, and WOMS 480) **CMIT 480** 

#### Criminal Justice (CRJU)

CRJU 428	Corporate Crime (cross-listed with SOCI 428)
CRIU 456	Lawvers and Society (cross-listed with SOCI 456)

**CRJU 460** Criminal Justice Policy

#### Enalish (ENGL)

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ENGL 200	Approaches to Literature
ENGL 301	Expository Writing
ENGL 302	Advanced Composition
ENGL 307	News Writing and Editing
ENGL 309	Feature and Magazine Writin

**ENGL 312** Written Communications in Business

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

**FNGL 368** Literature and Science (cross-listed with CSCC 368)

**ENGL 409** Topics in Journalism Technical Writing **ENGL 410** 

**ENGL 415** Writing in the Professions

Seminar (cross-listed with CMLT 480 and WOMS 480) **ENGL 480** 

#### Foreign Languages and Literatures (FLLT)

**FLLT 311** Twentieth-Century Literature I (cross-listed with CMLT 311) **FLLT 312** Twentieth-Century Literature II (cross-listed with CMLT 312)

#### Geography (GEOG)

**GEOG 346** Urban Cultural Geography Method and Theory in Geography **GEOG 445 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 /HICT

mision y (ri	131)
HIST 130	Survey of the History of the Near East from the Rise of
	Islam to 1500 CE
HIST 131	History of the 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 302

The World in Our Time (cross-listed with WOMS 302) American Intellectual History **HIST 303** 

**HIST 304** American Intellectual History **HIST 307** 

The U.S. in the Early National Period The U.S. in the Antebellum Period **HIST 308 HIST 309** U.S. Business and Political Economy

**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 352 Contemporary European Society Early Modern Intellectual History **HIST 355** 

HIST 356 Modern European Intellectual History Soviet Russia: 1917 to 1990 European Business History: 1850 to Present **HIST 359** 

HIST 361

Modern Germany: 1770 to 1919 Germany in 20th Century: 1914 to Present Modern China: 1600-1920s HIST 363 HIST 364

**HIST 368 HIST 369** China Since 1900

**HIST 373** Modern Ireland: 1534 to Present **HIST 380** History of the Arab-Israeli Conflict

**HIST 385** History of Biological Ideas (cross-listed with CSCC 385) History of Modern Japan
Radicalism and Revolution: Islamic Movements in the **HIST 392** 

HIST 377

Modern Middle East

**HIST 378** Nationalism in the Modern Middle East 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 CSCC 411 and WOMS 411)

Twentieth-Century Latin American Revolutions **HIST 430** 

HIST 440 Africa Under Colonial Rule **HIST 459** United States Urban History

HIST 471 Studies in Medieval History (cross-listed with WOMS 472)

**HIST 473** Studies in Early Modern European History (cross-listed with WOMS 473)

Studies in English History **HIST 474** 

HIST 475 HIST 479	Seminar in Modern European History Studies in Asian History	ANTH 239 ANTH 251	Arts and Crafts of Native North America Introduction to the Ethnic Arts
Music (MU	SC)	ANTH 338	Arts and Crafts of Native South America
MUSC 311	Music History: 400 through 1600	ANTH 360	Humanities Colloquium
MUSC 312	Music History: 1600 through 1827	Art (ART)	and the second of the second o
MUSC 313	Music History: 1825 to the Present	ART 315	Issues in Contemporary Art
MUSC 345	History of Theatre: American Musical Theatre	Art History	y (ARTH)
	(cross-listed with THEA 345)	ARTH 150	Monuments and Methods in the History of Art
Philosophy	(PHIL)	ARTH 151	Myth, Religion, and Art
PHIL 444	Medical Ethics (cross-listed with CSCC 444)	ARTH 152	Design and Expression in the Visual Arts
	Ethical Theory	ARTH 161	Art in East and West
PHIL 465	Senior Seminar	ARTH 162	History of Architecture
Political Sc	ience (POSC)	Center for	Science and Culture (CSCC)
POSC 334	Liberalism and Conservatism	CSCC 241	Ethical Issues in Health Care (cross-listed with PHIL 241)
POSC 380	Introduction to Law	CSCC 245	Ethical Issues in Scientific Research (cross-listed with PHIL 245)
POSC 408	International Organizations	CSCC 246 CSCC 368	Philosophical Perspectives of Medicine (cross-listed with PHIL 246) Literature and Science (cross-listed with ENGL 368)
POSC 433 POSC 434	African Politics Political Thought I	CSCC 369	Literature and Medicine (cross-listed with ENGL 369)
POSC 435	Political Thought II	CSCC 444	Medical Ethics (cross-listed with PHIL 444)
POSC 445	Human Rights and World Politics	Comparati	ive Literature (CMLT)
POSC 448	Theories of International Relations	CMIT 202	Biblical and Classical Literature
Psychology	y (PSYC)	CATALITY ZOZ	(cross-listed with ENGL 202 and FLLT 202)
PSYC 405	Advanced Social Psychology	CMIT 217	Introduction to Film (cross-listed with ENGL 217)
PSYC 414	Drugs and the Brain	CMLT 218	Introduction to Drama
PSYC 415	History and Systems of Psychology	CMLT 219	(cross-listed with ENGL 208 and WOMS 208) Introduction to the Novel
PSYC 416	Psychological Perspectives on the Black American (cross-listed with BAMS 432)	CIVILI 219	(cross-listed with ENGL 209 and WOMS 209)
PSYC 425	Topics in Child Psychology	CMIT 314	Introduction to Folklore and Folklife (cross-listed with ENGL 314)
PSYC 445	Topics in Adolescent Psychology	CMIT 316	Classical Mythology (cross-listed with FLLT 316)
Sociology (	SOCII	CMLT 320	Varying Authors and Genres
SOCI 305	Social Class and Inequality	CMLT 322	(cross-listed with FLLT 320 and WOMS 320) Topics: Classical Literature in Translation (cross-listed with FLLT 322)
SOCI 355	Computers, Ethics and Society (cross-listed with CSCC 355)	100	
SOCI 415	Race, Class and Gender	English (EN	
	(cross-listed with BAMS 415 and WOMS 415)	ENGL 200 ENGL 202	Approaches to Literature Biblical and Classical Literature
SOCI 428 SOCI 456	Corporate Crime (cross-listed with CRJU 428) Lawyers and Society (cross-listed with CRJU 456)	LINOL 202	(cross-listed with CMLT 202 and FLLT 202)
_		ENGL 204	American Literature
Theatre (Th		ENGL 207	Introduction to Poetry
THEA 341	Theatre/Drama: Classic/Medieval (cross-listed with CMLT 341)	ENGL 208 ENGL 209	Introduction to Drama (cross-listed with CMLT 218 and WOMS 208)
THEA 342 THEA 343	Theatre/Drama: Renaissance to 1700 (cross-listed with CMLT 342) Theatre/Drama: 1700 to 1900 (cross-listed with CMLT 343)	LINGL 209	Introduction to the Novel (cross-listed with CMLT 219 and WOMS 209)
THEA 344	Theatre/Drama: 1900 to Present (cross-listed with CMLT 344)	ENGL 210	Short Story
THEA 345	History of Theatre: American Musical Theatre	ENGL 217	Introduction to Film (cross-listed with CMLT 217)
THEA 244	(cross-listed with MUSC 345)	ENGL 314	Introduction to Folklore and Folklife (cross-listed with CMLT 314)
THEA 346 THEA 410	History of Theatre: The American Theatre Fundamentals of Dramaturgy	ENGL 315 ENGL 320	Ballad and Folksong The Bible as Literature
		ENGL 324	Shakespeare
	sign and Consumer Economics (TDCE)	ENGL 368	Literature and Science (cross-listed with CSCC 368)
TDCE 332	Consumers, Health, and Medical Care	ENGL 369	Literature and Medicine (cross-listed with CSCC 369)
University	(UNIV)	ENGL 380	Women Writers (cross-listed with JWST 380 and WOMS 380)
UNIV 490	Honors Tutorial: Humanities	-	nguages and Literatures (FLLT)
UNIV 491	Honors Tutorial: Natural/Social Science	FLLT 202	Biblical and Classical Literature
Women's S	tudies (WOMS)	FLLT 316	(cross-listed with CMLT 202 and ENGL 202) Classical Mythology (cross-listed with CMLT 316)
	Women in American History (cross-listed with HIST 300)	FLLT 320	Varying Authors and Genres
	The World in Our Time (cross-listed with HIST 302)		(cross-listed with CMLT 320 and WOMS 320)
	Varieties of Modern Feminism (cross-listed with HIST 409) Seminar in American History	FLLT 322	Topics: Classical Literature in Translation (cross-listed with CMLT 322)
., 5,710 411	(cross-listed with CSCC 411 and HIST 411)	FLLT 324 FLLT 325	Topics: French Literature in Translation (cross-listed with WOMS 324) Topics: German Literature in Translation (cross-listed with WOMS 325)
WOMS 415	Race, Class and Gender	FLLT 326	Topics: Hispanic Literature in Translation (cross-listed with WOMS 325)
14/0146 414	(cross-listed with BAMS 415 and SOCI 415)	FLLT 327	Topics: Russian Literature in Translation
	The American Family 1608 to 1900 (cross-listed with HIST 416) Studies in Medieval History (cross-listed with HIST 471)	FLLT 328	Topics: Japanese Literature in Translation (cross-listed with WOMS 328)
	Studies in Early Modern European History	FLLT 329	Topics: Italian Literature in Translation
	(cross-listed with HIST 473)	Geography	(GEOG)
WOMS 480	Seminar (cross-listed with CMLT 480 and ENGL 480)	GEOG 203	Introduction to Cultural Geography
		GEOG 345	Cultural Geography
COLIDS	ES APPROVED FOR	GEOG 346	Urban Cultural Geography
		German (G	
BKEAD]	TH REQUIREMENTS	GRMN 211	German Reading and Composition: Short Fiction
	GROUP A		(to be taught in German)
Anthropolo		History (HI	ST)
ANTH 205	Anthropology and Human Nature	HIST 216	Introduction to Material Culture Studies (cross-listed with ANTH 216)
ANTH 216	Introduction to Material Culture Studies (cross-listed with HIST 216)	Jewish Stu	dies (JWST)
ANTH 227	American Culture	JWST 380	Women Writers (cross-listed with ENGL 380 and WOMS 380)
anth 231	Personality and Culture		

v			
Linguistics	(LING)	ARTH 209	Early Medieval Art 200-1000 A.D.
LING 301	Dictionaries	ARTH 210	Later Medieval Art 1000-1400 A D
Music (MU	SC)	ARTH 217	Early Renaissance Art
MUSC 101	Appreciation of Music	ARTH 218 ARTH 220	High Renaissance and Mannerist Art Italian Renaissance Architecture
MUSC 102	Appreciation of Music	ARTH 222	Baroque Art
MUSC 103	Introduction to Opera	ARTH 223	Baroque and Rococo Architecture and Urbanism
MUSC 104	Introduction to Opera II	ARTH 225	Eighteenth Century Art
MUSC 105	Fundamentals of Music I	ARTH 227	Modern Art I
MUSC 106	Fundamentals of Music II	ARTH 228	Modern Art II
MUSC 195	Harmony I	ARTH 230	American Art. 1607-1865
MUSC 196 MUSC 197	Harmony II Jazz Harmony	ARTH 231 ARTH 233	American Art: 1865-Present Art of China
		ARTH 234	Art of Japan
Philosophy		ARTH 235	Art of India
PHIL 100	Philosophies of Life (cross-listed with WOMS 100)	ARTH 236	The Arts of Islam
PHIL 101 PHIL 102	Great Western Philosophers Introduction to Philosophy	ARTH 250	Rulers' Images from Augustus to George Washington
PHIL 201	Social and Political Philosophy	ARTH 302 ARTH 304	Prints and Society Northern Baroque Art
PHIL 202	Contemporary Moral Problems (cross-listed with WOMS 203)	ARTH 305	Italian Baroque: Metaphor and Marvel
PHIL 204	World Religions	ARTH 308	Modern Architecture I: 1750-1900
PHIL 210	Women and Religion (cross-listed with WOMS 210)	ARTH 309	Modern Architecture II: 20th Century
PHIL 216	Introduction to Feminist Theory (cross-listed with WOMS 216)	ARTH 310	Role of the Artist in Society
PHIL 241 PHIL 244	Ethical Issues in Health Care (cross-listed with CSCC 241) Philosophy of Art	ARTH 318	History of Photography
PHIL 245	Ethical Issues in Scientific Research (cross-listed with CSCC 245)	Black Ame	erican Studies (BAMS)
PHIL 246	Philosophical Perspectives of Medicine (cross-listed with CSCC 246)	BAMS 134	History of Africa (cross-listed with HIST 134)
PHIL 317 *	American Philosophy	BAMS 304	History of Black America to the Civil War (cross-listed with HIST 325
PHIL 444	Medical Ethics (cross-listed with CSCC 444)	BAMS 306	History of Black America Since the Civil War (cross-listed with HIST 320
Political Sc	ience (POSC)	BAMS 313	African American Literature I (cross-listed with ENGL 344)
POSC-285	Currents in Political Theory	and the second second	Science and Culture (CSCC)
POSC 333	Communism, Fascism, and Democracy	CSCC 330	Varying Authors, Themes and Movements
Theatre (Th	łΕΔ)	CCC 202	(cross-listed with CMLT 330, FLLT 330 and WOMS 330)
THEA 102	Introduction to Performance	CSCC 382	History of Western Medicine (cross-listed with HIST 382)
THEA 104	Introduction to Theatre and Drama		ive Literature (CMLT)
THEA 106	The Theatrical Experience Abroad	CMIT 207	Great Writers of the Western World I (cross-listed with ENGL 211)
THEA 200	Introduction to Theatre Production	CMLT 208 CMLT 31 <i>7</i>	Great Writers of the Western World II (cross-listed with ENGL 212 Film History (cross-listed with ENGL 317)
THEA 202	Introduction to Theatre Design	CMLT 321	Medieval Literature and Culture (cross-listed with ENGL 321)
THEA 203 THEA 206	Introduction to Costuming Introduction to Dance	CMIT 330	Varying Authors, Themes, and Movements
THEA 410	Fundamentals of Dramaturgy		(cross-listed with CSCC 330, FLLT 330 and WOMS 330)
		CMIT 341	Theatre/Drama: Classic/Medieval (cross-listed with THEA 341)
University		CMIT 342	Theatre/Drama: Renaissance to 1700 (cross-listed with THEA 342)
UNIV 490	Honors Tutorial: Humanities	CMIT 343 CMIT 344	Theatre/Drama: 1700 to 1900 (cross-listed with THEA 343) Theatre/Drama: 1900 to Present (cross-listed with THEA 344)
	tudies (WOMS)		
	Philosophies of Life (cross-listed with PHIL 100)	Economics	
	Contemporary Moral Problems (cross-listed with PHIL 202)	ECON 315 ECON 316	Economic History of Colonial America Economic History of the U.S
	Gender and Knowledge Women in the Arts and Humanities	ECON 318	Economic History of France
	Introduction to Drama (cross-listed with CMLT 218 and ENGL 208)	English (EN	
	Introduction to the Novel (cross-listed with CMLT 219 and ENGL 209)	ENGL 205	British Literature I
WOMS 210	Women and Religion (cross-listed with PHIL 210)	ENGL 206	British Literature II
	Introduction to Feminist Theory (cross-listed with PHIL 216)	ENGL 211	Great Writers of the Western World I (cross-listed with CMLT 207)
	Varying Authors and Genres (cross-listed with CMLT 320 and FLLT 320)	ENGL 212	Great Writers of the Western World II (cross-listed with CMLT 208)
	French Literature in Translation (cross-listed with FLLT 324) German Literature in Translation (cross-listed with FLLT 325)	ENGL 317	Film History (cross-listed with CMLT 317)
	Hispanic Literature in Translation (cross-listed with FLLT 326)	ENGL 321	Medieval Literature and Culture (cross-listed with CMLT 321)
	Topics: Japanese Literature in Translation (cross-listed with FLLT 328)	ENGL 340 ENGL 341	American Literature to the Civil War American Literature: Civil War to World War II
WOMS 380	Women Writers (cross-listed with ENGL 380 and JWST 380)	ENGL 344	African American Literature I (cross-listed with BAMS 313)
	ODOLID D	ENGL 345	African American Literature II
a	GROUP B	Foreign La	nguages and Literatures (FLLT)
Anthropolo	<del></del>	FLLT 330	Varying Authors, Themes, and Movements
ANTH 101 ANTH 105	Introduction to Social and Cultural Anthropology	122.000	(cross-listed with CMLT 330, CSCC 330 and WOMS 330)
ANTH 228	Introduction to Historical Archaeology Peoples and Cultures of the Southwest	FLLT 375	Topics: Russian and Soviet Culture in Translation
ANTH 260	Sociocultural History of Africa	FLLT 380	Topics: Japanese Culture in Translation
ANTH 261	Peoples and Cultures of the Middle East	French (FRI	EN)
ANTH 265	High Civilizations of the Americas	FREN 301	Introduction to French Literature: Prose (to be taught in French)
ANTH 278	Historic Cultures of the Mid-Atlantic Region (cross-listed with HIST 278)	FREN 302	Introduction to French Literature: Poetry and Theatre
ANTH 322	The City in American Culture (cross-listed with HIST 322)	1	(to be taught in French)
ANTH 323 ANTH 327	Prehistory of South America Peoples of the Caribbean	FREN 325	French Civilization I (to be taught in French)
ANTH 375	Peoples and Cultures of Modern Latin America	FREN 326	French Civilization II (to be taught in French)
		Geography	y (GEOG)
Art History		GEOG 225	Historical Geography of the United States
ARTH 1 <i>5</i> 3	Introduction to Art History I		
		German (G	GRMN)
ARTH 154	Introduction to Art History II	German (G GRMN 311	FRMN) Introduction to German Literature I (to be taught in German)
		-	

History (H	IST)		PHIL 309	Indian Religion and Philosophy
HIST 101	Western Civilization to 1648		PHIL 310	Chinese Religion and Philosophy
HIST 102	Western Civilization: 1648 to Present		Political Scie	nce (POSC)
HIST 103	World History to 1648			Politics of Developing Nations
HIST 104	World History: 1648 to Present			American Political Thought
HIST 130	Islamic Near East: 600-1500			
HIST 131	Islamic Near East: 1500 to Present		Russian (RUS	
HIST 134	History of Africa (cross-listed with BAMS 134)			Introduction to Russian Literature I (to be taught in Russian)
HIST 135 HIST 137	Introduction to Latin American History East Asian Civilization: China			Introduction to Russian Literature II (to be taught in Russian)
HIST 138	East Asian Civilization: Japan		RUSS 325	Russian Civilization and Culture (to be taught in Russian)
HIST 205	United States History		Spanish (SPA	AN)
HIST 206	United States History		SPAN 301	Survey of Spanish Literature (to be taught in Spanish)
HIST 210	War and Society			Survey of Spanish Literature (to be taught in Spanish)
HIST 220	The American Civil Rights Movement		SPAN 303	Survey of Spanish-American Literature (to be taught in Spanish)
HIST 270	History of Modern Asia			Survey of Spanish-American Literature (to be taught in Spanish)
HIST 278	Historic Cultures of the Mid-Atlantic Region			Spanish Civilization and Culture (to be taught in Spanish)
	(cross-listed with ANTH 278)		SPAN 326	Latin American Civilization and Culture (to be taught in Spanish)
HIST 280	Science and Civilization		Theatre (THE	(A)
HIST 300	Women in American History (cross-listed with WOMS 300)			Theatre/Drama: Classic/Medieval (cross-listed with CMLT 341)
HIST 303 HIST 304	American Intellectual History American Intellectual History			Theatre/Drama: Renaissance to 1700 (cross-listed with CMLT 342
HIST 304	History of American Foreign Policy			Theatre/Drama: 1700 to 1900 (cross-listed with CMLT 343)
HIST 315	Postwar America: The United States Since 1945			Theatre/Drama: 1900 to Present (cross-listed with CMLT 344)
HIST 318	Colonial America		THEA 345	History of Theatre: American Musical Theatre
HIST 319	Revolutionary America		THE ! A !!	(cross-listed with MUSC 345)
HIST 322	The City in American Culture (cross-listed with ANTH 322)		THEA 346	History of Theatre: The American Theatre
HIST 325	History of Black America to the Civil War		Women's Stu	udies (WOMS)
	(cross-listed with BAMS 304)			Women in American History (cross-listed with HIST 300)
HIST 326	History of Black America Since the Civil War			Varying Authors, Themes, and Movements
LICT 220	(cross-listed with BAMS 306) Peasants and Revolution in Africa	- A		(cross-listed with CMLT 330, CSCC 330 and FLLT 330)
HIST 330 HIST 340	Ancient Near East and Greece	e de la companya de l		
HIST 341	Ancient Rome			GROUP C
HIST 344	Renaissance Europe		Anthropolog	
HIST 345	Europe in the Reformation Era: 1517 to 1648		ANTH 103 I	Introduction to Prehistoric Archaeology
HIST 348	History of Spain: 1479 to Present		ANITH OOO 1	(duplicate credit with ANTH 104 in Group D)
HIST 349	Hispanic Societies: 1492 to Present			Technology and Culture Peasant Societies
HIST 355	Early Modern Intellectual History			Indians of North America
HIST 356	Modern European Intellectual History			Peoples of the World
HIST 359 HIST 363	Soviet Russia: 1917 to 1990			Applied Anthropology
HIST 364	Modern Germany: 1770 to 1919 Germany in 20th Century: 1914 to Present		ANTH 259	Hunting Societies
HIST 368	Modern China: 1600-1920s			Prehistory of North America
HIST 369	China Since 1900			South American Indians
HIST 373	Modern Ireland: 1534-Present			Culture of Food Production and Economic Development
HIST 374	History of England to 1715			Ecological Anthropology Peoples and Cultures of Mexico and Central America
HIST 375	History of England: 1715 to Present			
HIST 377	Radicalism and Revolution: Islamic Movements in the		Arts and Scie	ence (ARSC)
LUCT 070	Modern Middle East		ARSC 127 S	Shaping of the Modern World
HIST 378 HIST 380	Nationalism in the Modern Middle East		Black Americ	can Studies (BAMS)
HIST 382	History of the Arab-Israeli Conflict History of Western Medicine (cross-listed with CSCC 382)			ntroduction to Black American Studies
HIST 383	History of Science and Medicine I			Urban Communities (cross-listed with SOCI 204)
HIST 384	History of Science and Medicine II			Contemporary Afro-American Issues
HIST 387	Technology in Western Civilization I			Afro-Caribbean Life and Culture
HIST 388	Technology in Western Civilization II		BAMS 361 F	Race, Power, and Social Conflict (cross-listed with SOCI 361)
HIST 392	History of Modern Japan		Center for Sc	ience and Culture (CSCC)
HIST 393	History of Modern Vietnam			Comparative Medical Systems
HIST 397	History of South Africa			Sociology of Health Care (cross-listed with SOCI 310)
HIST 474	Studies in English History			Hospitals (cross-listed with SOCI 311)
Italian (ITA	<b>y</b>	. 1.		
ITAL 310	Survey of Italian Literature (to be taught in Italian)		Cognitive Sci	
ITAL 311	Survey of Italian Literature (to be taught in Italian)	** *	CGSC 270 II	ntroduction to Cognitive Science
ITAL 325	Italian Civilization and Culture		Communicati	ion (COMM)
Music (MU	sc)		COMM 200 I	ntroduction to Human Communication Systems
				Mass Communication and Culture
MUSC 107 MUSC 205	History of Rock Music of the Non-Western World			The Development of Verbal Communication
MUSC 205	Music of China, Korea and Japan		COMM 330 (	Communication and Social Behavior
MUSC 207	History of Jazz		Criminal Just	tice (CRJU)
MUSC 311	Music History: to 1600			ntroduction to Criminal Justice
MUSC 312	Music History: 1600 through 1827		CRJU 120 II	llicit Drug Use in America
MUSC 313	Music History: 1825 to the Present			Problems of Law Enforcement
MUSC 345	History of Theatre: American Musical Theatre		CRJU 202 P	Problems of Criminal Judiciary
	(cross-listed with THEA 345)			Problems of Corrections
Philosophy	(PHIL)		CRJU 345 S	Sociology of the Law (cross-listed with SOCI 345)
PHIL 301	Ancient Philosophy		Economics (E	CON)
PHIL 302	Medieval Philosophy		•	Economic Issues and Policies
PHIL 303	Modern Philosophy			ntroductory Microeconomics: Prices and Markets

ECON 152	Introductory Macroeconomics: National Economy	Biology (B	ISC)
ECON 305		BISC 103	General Biology (Both BISC 103 and BISC 207 cannot be used to
ECON 306			fulfill Group D. Duplicate credit if taken after BISC 207)
ECON 311		BISC 113	General Biology Laboratory
ECON 332 ECON 340		BISC 104	Neurobiology of the Brain
ECON 348		BISC 105 BISC 115	Human Heredity and Development Human Heredity and Development Laboratory
ECON 360	Government Regulation of Business	BISC 106	Elementary Human Physiology
ECON 381		BISC 116	Elementary Human Physiology Laboratory
ECON 393	Urban Economics	BISC 107	Elementary Evolutionary Ecology
English (E	NGL)	BISC 117	Elementary Evolutionary Ecology Laboratory
ENGL 390	English Linguistics (cross-listed with LING 390)	BISC 108	Molecular Bases of Human Disease Viruses, Genes, and Cancer
Geograph	ov (GEOG)	BISC 110 BISC 152	Biology of Human Sexuality
	Human Geography	BISC 171	Microbiology in Modern Society
GEOG 120		BISC 195	Biological Evolution
GEOG 210		BISC 207	Introductory Biology I (Both BISC 103 and BISC 207
	Humans and the Earth Ecosystem	BISC 208	cannot be used to fulfill Group D ) Introductory Biology II
GEOG 235 GEOG 240			
	Water and Society	Chemistry	
History (H		CHEM 100 CHEM 101	Chemistry and the Human Environment General Chemistry (duplicate credit with CHEM 103, 105, 111)
HIST 327	American Labor before Industrialization	CHEM 102	General Chemistry (duplicate credit with CHEM 104, 112)
		CHEM 103	General Chemistry (duplicate credit with CHEM 101, 105, 111)
Linguistics		CHEM 104	General Chemistry (duplicate credit with CHEM 102, 112)
LING 101	Introduction to Linguistics !	CHEM 105	General Chemistry (duplicate credit with CHEM 101, 103, 111)
LING 102 LING 203	Language, Mind and Society Languages of the World	CHEM 111 CHEM 112	General Chemistry (duplicate credit with CHEM 101, 103, 105) General Chemistry (duplicate credit with CHEM 102, 104)
LING 203	Language and Gender (cross-listed with WOMS 222)		
LING 265	Studies in Language		Science (CGSC)
LING 390	English Linguistics (cross-listed with ENGL 390)		Brain and Behavior (cross-listed with PSYC 314)
Political S	cience (POSC)	•	and Information Sciences (CISC)
POSC 105	The American Political System	CISC 101	Computers and Information Systems
POSC 106	Introduction to Political Science: Issues	CISC 105 CISC 106	General Computer Science General Computer Science for Engineers
POSC 220 POSC 240	Introduction to Public Policy Introduction to International Relations		コー・コー・コー・ディー・コー・コー・コー・オーダー はっしょう はんりょう かんきょう ばんか
POSC 270	Comparative Politics	Entomolog	
POSC 306	Public Choice (cross-listed with ECON 306)	ENTO 201	Wildlife Conservation and Ecology
		ENTO 205	Flements of Entomology
POSC 343	Society, Politics, and Health Care (cross-listed with SOCI 343)	ENTO 205 ENTO 305	Elements of Entomology Entomology Laboratory
POSC 343  Psycholog	Society, Politics, and Health Care (cross-listed with SOCI 343)	ENTO 305	Entomology Laboratory
<b>Psycholog</b> PSYC 201	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology	ENTO 305 <b>Geograph</b>	Entomology Laboratory y (GEOG)
Psycholog PSYC 201 PSYC 301	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology  Personality	ENTO 305	Entomology Laboratory  y (GEOG)  Physical Geography
Psycholog PSYC 201 PSYC 301 PSYC 303	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology  Personality  Introduction to Social Psychology	GEOG 101 GEOG 152 GEOG 206	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils
Psycholog PSYC 201 PSYC 301	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology  Personality	GEOG 101 GEOG 152 GEOG 206 GEOG 220	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology Psychology of Women (cross-listed with WOMS 333)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOIGG (6	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology Psychology of Women (cross-listed with WOMS 333)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOIG 250 GEOIG 250 GEOIG 105	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107)
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOIGG (6	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108)
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOL 105 GEOL 105 GEOL 107 GEOL 110	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144)
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOL 105 GEOL 105 GEOL 107 GEOL 110 GEOL 110 GEOL 144	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110)
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204)	GEOG 205 Geograph GEOG 101 GEOG 152 GEOG 220 GEOG 250 GEOL 105 GEOL 106 GEOL 107 GEOL 110 GEOL 144 GEOL 233	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110) The Ice Ages and Human Chronology
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 209 SOCI 210 SOCI 211	Society, Politics, and Health Care (cross-listed with SOCI 343)  (y (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211)	GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOL 105 GEOL 105 GEOL 107 GEOL 110 GEOL 110 GEOL 144	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110) The Ice Ages and Human Chronology Earth Resources and Ecology
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 209 SOCI 211 SOCI 211 SOCI 308	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211) The Family	GEOG 101 GEOG 152 GEOG 206 GEOG 250 GEOG 250 GEOL 105 GEOL 106 GEOL 107 GEOL 110 GEOL 144 GEOL 233 GEOL 234	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110) The Ice Ages and Human Chronology
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 325 PSYC 333 Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 209 SOCI 210 SOCI 210 SOCI 211 SOCI 308 SOCI 310	Society, Politics, and Health Care (cross-listed with SOCI 343)  (y (PSYC))  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211) The Family Sociology of Health Care (cross-listed with CSCC 310)	GEOG 101 GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 250 GEOL 106 GEOL 107 GEOL 110 GEOL 110 GEOL 233 GEOL 234 GEOL 243 GEOL 245	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110) The Ice Ages and Human Chronology Earth Resources and Ecology Rocks and Minerals Volcanoes and Earthquakes
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Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 303 PSYC 325 PSYC 325 PSYC 333  Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 210 SOCI 211 SOCI 301 SOCI 311 SOCI 322 SOCI 343 SOCI 343 SOCI 345 SOCI 345 SOCI 361 SOCI 362 Women's \$ WOMS 201 WOMS 202 WOMS 203 WOMS 204 WOMS 204 ANTH 102	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211) The Family Sociology of Health Care (cross-listed with CSCC 310) Hospitals (cross-listed with CSCC 311) Crowds, Cults, and Revolutions Society, Politics, and Health Care (cross-listed with POSC 343) Sociology of Law (cross-listed with CRJU 345) Race, Power, and Social Conflict (cross-listed with BAMS 361) Sociology of Mass Communication  Studies (WOMS) Introduction to Unternational Women's Studies Introduction to International Women's Studies Women and Work (cross-listed with SOCI 206) Men, Conflict, and Social Change (cross-listed with SOCI 211) Language and Gender (cross-listed with LING 222) Psychology of Women (cross-listed with LING 222)	ENTO 305  Geography GEOG 101 GEOG 152 GEOG 206 GEOG 250 GEOG 250 GEOL 105 GEOL 106 GEOL 107 GEOL 110 GEOL 123 GEOL 233 GEOL 234 GEOL 245 Linguistics L	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 110) The Ice Ages and Human Chronology Earth Resources and Ecology Rocks and Minerals Volcanoes and Earthquakes  (LING) Laboratory Phonetics ical Sciences (MATH) Discrete Mathematics Vith Applications Analytic Geometry and Calculus A (duplicate credit with MATH 221) Ind Dietetics (NTDT) Nutrition Concepts  y (PHIL) Logic (PHIL 351 alternate Duplicate credit if taken after PHIL 351) Inductive Logic and Scientific Method Basic Decision Theory Advanced Logic (alternate to PHIL 205)  HYS) Planets, Asteroids, and Impacts
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 303 PSYC 325 PSYC 333  Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 207 SOCI 208 SOCI 211 SOCI 308 SOCI 211 SOCI 308 SOCI 311 SOCI 311 SOCI 311 SOCI 345	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211) The Family Sociology of Health Care (cross-listed with CSCC 310) Hospitals (cross-listed with CSCC 311) Crowds, Cults, and Revolutions Society, Politics, and Health Care (cross-listed with POSC 343) Sociology of Law (cross-listed with CRIU 345) Race, Power, and Social Conflict (cross-listed with BAMS 361) Sociology of Mass Communication  Studies (WOMS) Introduction to International Women's Studies Women and Work (cross-listed with SOCI 206) Men, Conflict, and Social Change (cross-listed with SOCI 211) Language and Gender (cross-listed with LING 222) Psychology of Women (cross-listed with PSYC 333)  GROUP D  ORY (ANTH) Introduction to Biological Anthropology	GEOG 101 GEOG 152 GEOG 206 GEOG 250 GEOG 250 GEOG 250 GEOL 106 GEOL 107 GEOL 110 GEOL 144 GEOL 233 GEOL 234 GEOL 245 Linguistics LING 253 Mathemati MATH 221 MATH 221 MATH 221 MATH 230 MATH 241 Nutrition a NTDT 200 Philosophy PHIL 205 PHIL 205 PHIL 207 PHIL 351 Physics (PH PHYS 109 PHYS 133	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology I (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 144) Evolution and Earth History (duplicate credit with GEOL 110) The Ice Ages and Human Chronology Earth Resources and Ecology Rocks and Minerals Volcanoes and Earthquakes  (LING)  Laboratory Phonetics ical Sciences (MATH)  Discrete Mathematics I Calculus I (duplicate credit with MATH 241) Finite Mathematics with Applications Analytic Geometry and Calculus A (duplicate credit with MATH 221) and Dietetics (NTDT)  Nutrition Concepts  (PHIL)  Logic (PHIL 351 alternate Duplicate credit if taken after PHIL 351) Inductive Logic and Scientific Method Basic Decision Theory Advanced Logic (alternate to PHIL 205)  HYS)  Planets, Asteroids, and Impacts Introduction to Astronomy
Psycholog PSYC 201 PSYC 301 PSYC 303 PSYC 303 PSYC 325 PSYC 333  Sociology SOCI 201 SOCI 202 SOCI 203 SOCI 204 SOCI 206 SOCI 207 SOCI 211 SOCI 301 SOCI 311 SOCI 322 SOCI 343 SOCI 343 SOCI 345 SOCI 345 SOCI 361 SOCI 362  Women's S WOMS 201 WOMS 202 WOMS 203 WOMS 204 WOMS 204 ANTH 102	Society, Politics, and Health Care (cross-listed with SOCI 343)  (PSYC)  General Psychology Personality Introduction to Social Psychology Child Psychology Psychology of Women (cross-listed with WOMS 333)  (SOCI) Introduction to Sociology Social Deviance The Individual and Society Urban Communities (cross-listed with BAMS 204) Women and Work (cross-listed with WOMS 206) Social Problems Population Problems Men, Conflict, and Social Change (cross-listed with WOMS 211) The Family Sociology of Health Care (cross-listed with CSCC 310) Hospitals (cross-listed with CSCC 311) Crowds, Cults, and Revolutions Society, Politics, and Health Care (cross-listed with POSC 343) Sociology of Law (cross-listed with CRJU 345) Race, Power, and Social Conflict (cross-listed with BAMS 361) Sociology of Mass Communication  Studies (WOMS) Introduction to Women's Studies Introduction to International Women's Studies Women and Work (cross-listed with SOCI 206) Men, Conflict, and Social Change (cross-listed with SOCI 211) Language and Gender (cross-listed with LING 222) Psychology of Women (cross-listed with PSYC 333)  GROUP D  Ogy (ANTH) Introduction to Biological Anthropology (duplicate credit with ANTH 104) Introduction to Archaeology and Biological Anthropology (duplicate	ENTO 305  Geography GEOG 101 GEOG 152 GEOG 206 GEOG 250 GEOG 250 GEOL 105 GEOL 106 GEOL 107 GEOL 110 GEOL 123 GEOL 233 GEOL 234 GEOL 245 Linguistics L	Entomology Laboratory  y (GEOG)  Physical Geography Climate and Life Physical Geography: Topography—Soils Meteorology Computer Methods in Geography  GEOL)  General Geology (duplicate credit with GEOL 107) General Geology (duplicate credit with GEOL 108) General Geology (duplicate credit with GEOL 105) Evolution and Extinction (duplicate credit with GEOL 110) The Ice Ages and Human Chronology Earth Resources and Ecology Rocks and Minerals Volcanoes and Earthquakes  (LING) Laboratory Phonetics ical Sciences (MATH) Discrete Mathematics Vith Applications Analytic Geometry and Calculus A (duplicate credit with MATH 221) Ind Dietetics (NTDT) Nutrition Concepts  r (PHIL) Logic (PHIL 351 alternate Duplicate credit if taken after PHIL 351) Inductive Logic and Scientific Method Basic Decision Theory Advanced Logic (alternate to PHIL 205)  HYS) Planets, Asteroids, and Impacts

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 201	Introductory Physics I
	(duplicate credit with PHYS 101, 104, 207, and SCEN 101)
PHYS 202	Introductory Physics II (duplicate credit with PHYS 102, 208)
PHYS 207	Fundamentals of Physics I
DL IVC 000	(duplicate credit with PHYS 101, 104, 201, and SCEN 101)
PHYS 208	Fundamentals of Physics II (duplicate credit with PHYS 102, 202)
Plant Scien	ce (PLSC)
PLSC 101	Botany I
Psychology	(PSYC)
PSYC 314	Brain and Behavior (cross-listed with CGSC 314)
Science (SC	EN)
SCEN 101	Physical Science (duplicate credit with PHYS 101, 104, 201, and 207)
SCEN 102	Physical Science
SCEN 103	Concepts of Science and Technology
Statistics (S	TAT)
STAT 201	Introduction to Statistics I (duplicate credit with STAT 205)
STAT 205	Statistical Methods (duplicate credit with STAT 201)

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.

#### **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, 831-1281, 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

#### REQUIREMENTS FOR THE MINOR IN AFRICAN STUDIES

Eighteen credit hours drawn from the list of courses below. 12 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.)

es. It should	d be noted that not all courses are offered every semester.)
6 credits in	Anthropology, selected from the following:
ANTH 260 ANTH 333 ANTH 368 ANTH 457/6	
6 credits in	History, selected from the following:
HIST 134	History of Africa
HIST 330	Peasants and Revolution in Atrica
HIST 394	Africa Since 1960
HIST 395	Pan Africanism 3
HIST 397	History of South Africa
HIST 440	
3 credits fr	om Black American Studies, selected from the following:
BAMS/HIST : BAMS/	331 History of the Caribbean I
HIST 332	History of the Caribbean II 3 Africanisms in America 3
BAMS 367	Africanisms in America

3 credits from other areas, which may include:							
POSC 433	African Political Systems						3

Any request for changes or exceptions to these requirements must be made in writing to Dr. W. Maloba, Program Coordinator, 316 Ewing (Ext. 2189).

#### **ANTHROPOLOGY**

Anthropology is the study of humans and their works. The field 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 art 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

	NTHROPOLOGY	
CURRICULUA	· ·	CREDITS
	i6 for University and College requirements.	
MAJOR RI	EQUIREMENTS	
Within the	Department	
Biological Ar	ultural Anthropology courses hthropology courses al Anthropology courses	6
ANTH 486 ANTH 487 or	Tutorial in Social and Cultural Anthropology Tutorial in Archaeology	3
ANTH 488	Tutorial in Physical Anthropology	3 3
	f six credits must be taken at the 200-level and a minir dits must be taken at the 300-level	mum
ELECTIVE	<b>2S</b>	
	d courses are completed sufficient elective credits must the minimum credit requirement for the degree	be
CREDITS T	O TOTAL A MINIMUM OF	124
	SACHELOR OF ARTS	
CURRICULUM		CREDITS
	6 for University and College requirements.	CKEDITS
	EQUIREMENTS	
	.~	
Within the l	oepartment	

Social and Cultural Anthropology courses

Archaeological Anthropology courses

Biological Anthropology courses

ANTH 486 ANTH 487	Tutorial in Social and Cultural Anthropology Tutorial in Archaeology	
or ANTH 488 Anthropology	Tutorial in Physical Anthropology course	3
	six credits must be taken at the 200-level and a minimum lits must be taken at the 300-level	
Within the C		
Geography co History course Political Scien- Sociology cou PSYC 201	urse burse ce course urse General Psychology credits selected from the departments listed above	3 3 3
Professional	Studies	
EDST 201 EDST 304 EDST 305 HIST 491 HIST 493 EDST 420 EDDV 400	Education in a Multicultural Society Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects Planning a Course of Instruction Seminar: Problems in Teaching History and Social Sciences Reading in the Content Areas Student Teaching	3 3 3 3
a g.p a of 3.0 should consult 127) to obtain	to student teach, Anthropology Education majors must have 0 in their major and an overall g p a of 2.75. Students the teacher education program coordinator (see list on p to the student teaching application and other information contracting policies.	
CREDITS TO	O TOTAL A MINIMUM OF	124

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

(	CREDIT
Social and Cultural Anthropology courses	. 12
Biological Anthropology courses	
Archaeological Anthropology courses	
ANTH 486 Tutorial in Social and Cultural Anthropology	3
ANTH 487 Tutorial in Archaeology	3
or	
ANTH 488 Tutorial in Physical Anthropology	. 3
ANTH 488 Tutorial in Physical Anthropology Anthropology course	3

A minimum of 6 credits must be taken at the 200-level and a minimum of 12 credits 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 the Special Programs section of this catalog.

#### INTERDEPARTMENTAL MAJORS

An interdepartmental major, for students having interests in two 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

**\$** tudents 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 art major may elect to concentrate in ceramics, fibers, illustration, metals, painting, photography, printmaking, sculpture, or visual communications (advertising design, applied photography, 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 Macintosh-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.

The Department of Art offers two undergraduate degrees: Bachelor of Arts (B.A.) and Bachelor of Fine Arts (B.F.A. in Fine Arts and Visual Communications). The BA degree requires 36 credit hours minimum of art courses and 45 credit hours maximum. The BFA 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 B.F.A. is contingent upon submission of a portfolio of slides and/or original work after completion of the freshman year, a minimum of 12 credits of foundations courses and a 2.66 GPA in studio art courses. A limited number of students are admitted to the program.

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.

MAJOR:		
CURRICUL		CREDITS
See page	56 for University and College requirements.	
MAJOR I	REQUIREMENTS	
Within th	e Department	
Art Found	dations	
ART 110 ART 111 ART 112 ART 113 ART 114 ART 115	Foundation Drawing I Foundation 2D Design Foundation Drawing II Foundation 3D Design Foundation Colloquium Foundation Colloquium	3 3 3
Area of C	oncentration	
tions req	tration redits beyond those that might have been taken as part of fo uirements. At least three credits must be at the 400-level. (ce ustration, metals, painting, photography, printmaking, sculpi	eramics,
Art Elective		
	from department disciplines outside of art concentration	
ART 315	Issues in Contemporary Art	3

Within the College Art History courses	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	124
DEGREE: BACHELOR OF FINE ARTS MAJOR: FINE ARTS, VISUAL COMMUNICATIONS	
CURRICULUM CR	EDIT
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. 20)	3
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 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 59)	3
Mathematics:  MATH 114 College Mathematics and Statistics (designed for students who do not intend to continue the study of mathematics)	3
MATH 115 Pre-Calculus (designed for students who intend to continue the study of mathematics) or	. 3
One of the following:  MATH 221 Calculus I.  MATH 241 Analytic Geometry and Calculus A  or	3
Successful performance on the college proficiency exam	
Breadth Requirements (See page 60) Group A	9
Understanding and appreciation of the creative arts and humanities  Nine credits representing at least two areas	9
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.	9
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	<i>7</i>
MAJOR REQUIREMENTS	
Within the Department 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 Foundations  ART 110 Foundation Drawing I  ART 111 Foundation 2D Design  ART 112 Foundation Drawing II  ART 113 Foundation 3D Design  ART 114 Foundation Colloquium  ART 115 Foundation Colloquium  Must be taken both fall and spring of freshman year	3 3 3
Area of Concentration	
Art Concentration  Taken from a specified sequence of courses for each discipline in the department At least nine credits must be at the 400-level (advertising design, applied photography, ceramics, fibers, graphic design, illustration, metals, painting, photography, printmaking, sculpture)	21
Art Studies	21

CREDITS T	O TOTAL A MINIMUM OF	124
ELECTIVE After required taken to meet	S I courses are completed sufficient elective credits must be the minimum credit requirement for the degree	
Within the C	College	9
ART 417	Issues in Contemporary Art Professional Practices BFA Exhibition	9 3 0

#### REQUIREMENTS FOR A MINOR IN ART

**5** tudents must obtain written permission from the chair before declaring the minor Admitted students will be assigned an advisor, generally in the area of study. Eighteen credits are required, distributed as follows:

a) Three studio art courses at the 100-200 level from one or two areas 9 credits
 b) Two studio art courses at the 300-400 level from one or two areas 6 credits
 c) One related nonstudio art, art history or art criticism course 3 credits

#### **ART CONSERVATION**

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 such activities. Conservation activities include carrying out technical and 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.

The primary purpose of this interdisciplinary Bachelor's of Art degree program in Art Conservation is to prepare students who wish to pursue graduate education and training in conservation with many of the fundamental academic and experience prerequisites. (It is now generally accepted that conservation professionals must have a graduate degree.) Other work venues after completion of this degree may include museum or gallery work as art handlers, framers, mounters, registrars, or collection managers.

Working closely with an advisor, the students elect a program of coordinated courses in the Departments of Anthropology, Art, Art History, Chemistry and Biochemistry, and others. Students may elect to take one or two Chemistry/Biochemistry tracks: track B is more vigorous and designed primarily for those who may also wish a second major in these sciences. During their junior or senior years, majors are required to participate in 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.

DEGREE: B MAJOR: A	ACHELOR OF ARTS ART CONSERVATION all grades must be Conservation all grades must be Conservations
CURRICULUM	CREDITS beta
	6 for University and College requirements. QUIREMENTS
Within the I	Departments
Art Conserv	
Twenty-one cr ARTC 301 ARTC 680 ARTC 685	edits as follows: 21 Care and Preservation of Cultural Properties 3 Studio in the Materials and Techniques of Drawing 3 Color Mixing and Matching 3
ARTC 688 or	Studio in the Materials and Techniques of Painting I
ARTC 689	Studio in the Materials and Techniques of Painting II
ARTC 690 ARTC 466	Studio in the Materials and Techniques of Printmaking I 3 Independent Study: Conservation Internship I & II 6 (Junior and/or Senior status only)
Art:	
	is follows:
ART 110 or ART 130	Foundation Drawing 3  Drawing I: Tools and Techniques 3
ART 280	Beginning Photography 3
ART 250	Beginning Sculpture
ART 290 or	Beginning Ceramics 3
ART 260 or	Metals I
ART 373	On Loom Weaving 3
from the fo	
ANTH 103 ARTH 153	Introduction to Prehistoric Archaeology 3 Introduction to Art History I 3
ARTH 154	Introduction to Art History II
ARTH 155	Asian Art
ARTH 161 ARTH 162	Art in the East and West 3 History of Architecture 3
	its, at least four courses at or above the 300-level, 18
of Anthrop	ology, Art History, Black American Studies,
Museum St	udies, and/or Textiles, Design and Consumer courses from the following:
Anthropolo	
ANTH 222	Technology and Culture 3
ANTH 229	Indians of North America 3
ANTH 251 ANTH 316	Introduction to Ethnic Arts
ANTH 324	Old World Archaeology
ANTH 338	Arts & Crafts: Native South America
ANTH 379	Historical Archaeology Historical Archaeology of the Eastern United States 3
ANTH 410	Archaeological Analysis of Material Culture 3
ANTH 451	Myth and Culture 3
ANTH 457	Survey of African Art
Art History	
ARTH 207 ARTH 208	Origins of Art 3 Greek and Roman Art 3
ARTH 200	Early Medieval Art 200-1100 AD.
ARTH 210	Later Medieval Art 1000-1400 AD
ARTH 213	Art of the Northern Renaissance
ARTH 217 ARTH 218	Early Renaissance Art
ARTH 220	Italian Renaissance Architecture 3
ARTH 222	Baroque Art 3
ARTH 223	Baroque and Rococo Architecture and Urbanism 3
ARTH 225 ARTH 227	Eighteenth Century Art 3 Modern Art I 3
ARTH 228	Módern Árt II
ARTH 230	American Art: 1607-1865
ARTH 231	American Art: 1865-present
ARTH 233 ARTH 234	Art of China 3 Art of Japan 3
ARTH 235	Art of India
ARTH 236	The Arts of Islam 3

 Or Her	ARTH 301 ARTH 302 ARTH 304 ARTH 305 ARTH 308 ARTH 309 ARTH 310 ARTH 318 ARTH 339	Research and Methodology in Art History 3 Prints and Society 3 Northern Baroque Art 3 Italian Baroque Art 3 Modern Architecture I: 1750-1900 3 Modern Architecture II: The Twentieth Century 3 The Role of the Artist in Society 3 History of Photography 3 Art & Architecture of Europe 3	
	Black Amer BAMS 320	rican Studies History of Afro-American Art 3	
	Museum Sto MSST 403	u <b>dies</b> History, Philosophy, Functions & Future of Museums	
	Textiles Des TDCE 214 TDCE 224	tign and Consumer Economics  Costume History Before 1700	
	Chemistry of 19-20 credits	and Biochemistry of chemistry courses 19-20	
	Track A: CHEM 103 CHEM 104 CHEM 220 CHEM 221 CHEM 321 CHEM 322	General Chemistry         4           General Chemistry         4           Quantitative Analysis         3           Quantitative Analysis Laboratory         1           Organic Chemistry         4           Organic Chemistry         4	
Ca.	Track B: CHEM 111 CHEM 119 CHEM 112 CHEM 120 CHEM 321 CHEM 322	20   General Chemistry   3     Quantitative Chemistry   2     General Chemistry   3     Quantitative Chemistry   3     Quantitative Chemistry   3     Organic Chemistry   4     Organic Chemistry   4     Organic Chemistry   4     Organic Chemistry   19     Organic	
L	ELECTIVE: After required	ourses are completed, sufficient elective credits must be the minimum credit requirement for the degree.	
		D TOTAL A MINIMUM OF 124	

#### **ART HISTORY**

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 history 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 various 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.

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.

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

# DEGREE: BACHELOR OF ARTS MAJOR: ART HISTORY CURRICULUM See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department ARTH 153 Introduction to Art History I

TO TELLET CARC A	cpui unem	
ARTH 153 ARTH 154	Introduction to Art History I	
a Ancier b Medie c Renais d Baroq	at the 200-level or above, distributed as follows:       15         nt       3         val (including Northern Renaissance)       3         sance       3         ue or 18th Century       3         n       3	
Art History Se	Research and Methodology in Art History 3 minar at the 300 or 400-level 3 urses above 100-level 6	
Within the C	College of related work as follows:	

ENGL 202 Biblical and Classical Literature
Any advisor-approved 200- or 300-level History course
Nine credits, with the advisor's approval, from appropriate courses in the following areas: Anthropology, Studio Art, Education, English, History, Foreign Languages and Literatures (other than that used to satisfy the College's foreign language requirement), Music, Philosophy, and Theatre. A second History course, a Studio Art course, and a foreign language literature course are recommended.

#### 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 ART HISTORY

The minor in art history requires 18 credits of course work, including at least four (4) courses above the 100-level. Students must distribute their courses among at least three (3) different key areas of art history that follow: 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.

#### **ASTRONOMY**

(See Physics and Astronomy)

#### BIOLOGY

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 117A Wolf Hall. 831-2282

Students interested in marine biology are encouraged to take advantage of course and research opportunities in the Department of Biology 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 biology Students not majoring in biological sciences who have some academ-

ic 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.

#### **BIOLOGICAL SCIENCES**

**CREDITS** 

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

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.

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.

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. Biology courses at the 100-level may not be counted toward these degrees.

### DEGREE: BACHELOR OF ARTS MAJOR: BIOLOGICAL SCIENCES

MAJOR:	BIOLOGICAL SCIENCES	
CURRICULUI	M	CREDITS
See page	56 for University and College requirements.	
MAJOR R	EQUIREMENTS	
Within the	Department (minimum grade C-)	
BISC 207 BISC 208 BISC 303		4
BISC 301 BISC 302 BISC 306	of the following courses:  Molecular Biology of the Cell  General Ecology  General Physiology	:3
one 600-l	tives at the 300-level or above (must includelevel course other than Independent Study) I of at least 33 credits in biology	13-14
Within the	College	
CHEM 103 CHEM 104	General Chemistry General Chemistry	
CHEM 321 CHEM 322 or		
CHEM 213 CHEM 214 CHEM 216	Elementary Organic Chemistry Elementary Biochemistry Elementary Biochemistry Laboratory	3
PHYS 201	Introductory Physics I	4

# MATH 221 C

**PHYS 202** 

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

Introductory Physics II

# 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.

CORRICOLOM	
See page 56 for University and College require	ments.
MAJOR REQUIREMENTS	

Within the Department (minimum grade C-)			
BISC 207	Introductory Biology I		
BISC 208	Introductory Biology II		
BISC 301	Molecular Biology of the Cell		
BISC 303	Genetic and Evolutionary Biology		
BISC 302	General Ecology		
or			
BISC 306	General Physiology 4		
one 600-l	tives at the 300-level or above (must include		

	Within the C	College	
	CHEM 103 CHEM 104	General Chemistry 4 General Chemistry 4	ļ Ļ
	CHEM 213	Elementary Organic Chemistry 4	
	CHEM 321	Organic Chemistry	L,
^	CHEM 214	Elementary Biochemistry	80°
	CHEM 216	Elementary Biochemistry Laboratory	3
	PHYS 201 PHYS 202 MATH 221 GEOL 105 Geology Elect	Introductory Physics I         4           Introductory Physics II         4           Calculus I.         3           General Geology         4           ive         3-4	i L
	Professional	Studies	
	EDST 201 EDST 304 EDST 305 EDST 420	Education in a Multicultural Society       3         Educational Psychology – Social Aspects       3         Educational Psychology – Cognitive Aspects       3         Reading in the Content Areas       1	

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. 127) to obtain the student teaching application and other information concerning student teaching policies

Teaching Science in Secondary Schools

Student Teaching

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

#### **BIOTECHNOLOGY**

SCEN 491

EDDV 400

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 (BBT); 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 (GPI) of 2.5 is required for application.

Eligibility for admission to the junior year of the BBT 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.

#### DEGREE: BACHELOR OF SCIENCE MAJOR: BIOLOGICAL SCIENCES CONCENTRATION: BIOTECHNOLOGY

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. 20).	3

#### COLLEGE REQUIREMENTS

#### Skill Requirements

**CREDITS** 

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 62 credit hours. Appropriate writing
courses are normally designated in the semester's Registration Booklet
(See list of courses approved for second writing requirement, page 59)

# Foreign Language: 0-12 Completion of the intermediate-level course (107 or 112 or 214) in a given language. Students with four or more years of high school work in a single foreign language may attempt to fulfill the requirement in that lan-

single foreign language may guage by taking an exemption		ement in that lan-
Breadth Requirements (S	See page 60)	
A total of twenty-one credits f	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 (minimum grade C-) BISC 207 Introductory Biology I **BISC 208** Introductory Biology II Introduction to Microbiology Molecular Biology of the Cell BISC 371 BISC 301 **BISC 303** Genetic and Evolutionary Biology Cell Physiology Recombinant DNA Laboratory **BISC 305** BISC 604 Recent Advances in Molecular Biology BISC 653 Two advanced lecture/laboratory combinations selected from the follow-

ing three gro	oups:
BISC 492 BISC 493	Human and Mammalian Cytogenetics 3 Mammalian Cytogenetics Laboratory 3
BISC 471/	
BISC 671	Immunobiology 3
BISC 601	Immunochemistry 3
Ш	
BISC 619	Macromolecules Laboratory
Two courses	selected from the following:
BISC 499/	· .
BISC 699	Computers in Biological Research 4

BISC 602	Molecular Biology of Animal Cells	. 3
BISC 608	Genetic Toxicology	3
BISC 617	Laboratory Techniques for Electron Microscopy	. 3
BISC 650	Bacterial Physiology	3
BISC 654	Biochemical Genetics	. 3
BISC 658	Developmental Genetics	. 3
BISC 667	Plant Cell Biology	. 3
BISC 673	Topics in Immunogenetics	3
BISC 679	Virology	3
BISC 693	Human Genetics	. 3
BISC 667	Gene Control: Antibody Genes, HIV-1	. 3
Within the (	^nllege	
CHEM 103 CHEM 104	General Chemistry General Chemistry	4
CHEM 321	Organic Chemistry	4
CHEM 322	Organic Chemistry	4
*	Organic Chemistry	
CHEM 527	Introductory Biochemistry	3
or	nd	
CHEM 641 a		
CHEM 642	Biochemistry	6
PHYS 201	Introductory Physics I Introductory Physics II	4
PHYS 202	Introductory Physics II	4
MATH 221	Calculus 1 :	3
ELECTIVE	S	
	U C	

# REQUIREMENTS FOR A MINOR IN BIOLOGY

After required courses are completed, sufficient elective credits must be

encouraged but not required, and does not count as credit in the major.

taken to meet the minimum credit requirement for the degree. BISC 444 is

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

The required courses are BISC 207, 208; two courses from BISC 301, 302 (or 321), 303, 371, 306; CHEM 103, 104 (or 101, 102), and 213 (or 321, 325); 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.

#### **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.

#### **MEDICAL EDUCATION PROGRAMS**

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 Director of the Department of Biology.

The University of Delaware 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 page 58).

#### **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.

#### **BLACK AMERICAN STUDIES**

**B**lack American Studies focuses on the study of Black Americans and their ancestry. 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.

Although a major in Black American Studies is not available, special arrangements within the Bachelor of Arts in Liberal Studies degree program are possible. A minor in Black American Studies is available for those students wishing to pursue related careers in this area.

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**

**5** tudents 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 courses for the minor program are BAMS 110, 304, 306, and one BAMS elective at or above the 300-level with the approval of an advisor.

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 pretequisites 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 A minor in Chemistry is also available.

	BACHELOR OF ARTS CHEMISTRY
CURRICULUA	
	56 for University and College requirements.
	EQUIREMENTS
	Department
A minimum g	grade C <sub>r</sub> is required for each CHEM course required for the
-	in Chemistry
CHEM 103 CHEM 104	General Chemistry 4 General Chemistry 4
CHEM 220	Quantitative Analysis
CHEM 221	Quantitative Analysis Laboratory 1
or CHEM 111	General Chemistry 3
CHEM 112	General Chemistry 3
CHEM 119	Quantitative Chemistry I
CHEM 120	Quantitative Chemistry II
CHEM 321 CHEM 322	Organic Chemistry 4 Organic Chemistry 4
or	organic Channel, y
CHEM 331	Organic Chemistry
CHEM 333	Organic Chemistry Laboratory I. 2
CHEM 332 CHEM 334	Organic Chemistry
CHEM 437	Instrumental Methods 3
CHEM 438	Instrumental Methods Laboratory
CHEM 418	Introductory Physical Chemistry 3
CHEM 419 CHEM 445	Introductory Physical Chemistry 3 Physical Chemistry Laboratory 1
or	
CHEM 443	Physical Chemistry
CHEM 444	Physical Chemistry 3 Physical Chemistry Laboratory 1
CHEM 445	and the second s
CHEM 457	llowing eight courses: Inorganic Chemistry
CHEM 527	Introductory Biochemistry 3
CHEM 610	History of Chemistry 3
CHEM 620 CHEM 622	Analytical Spectroscopy 3 Electroanalytical Chemistry 3
CHEM 623	Chemometrics 3
CHEM 633	Advanced Organic Chemistry: Physical 3
CHEM 634	Advanced Organic Chemistry: Synthesis and Reactivity
Within the	
Related Wo	
Mathematic	
or	
MATH 241	Analytic Geometry and Calculus A (strongly preferred)
Physics PHYS 201	Internal control Physics I
or or	Introductory Physics I 4
PHYS 207	Fundamentals of Physics I
PHYS 202	Introductory Physics II
or PHYS 208	Fundamentals of Physics II
ELECTIVE	
	S I 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

	BACHELOR OF ARTS CHEMISTRY EDUCATION
CURRICULUA	
See page 5	66 for University and College requirements.
MAJOR RI	EQUIREMENTS
Within the	Department
(30 credits) CHEM 111 CHEM 112 CHEM 119 CHEM 120	General Chemistry         3           General Chemistry         3           Quantitative Chemistry I         2           Quantitative Chemistry II         3
or CHEM 103 CHEM 104 CHEM 220 CHEM 221 CHEM 213	General Chemistry         4           General Chemistry         4           Quantitative Analysis         3           Quantitative Analysis Laboratory         1           Elementary Organic Chemistry         4
or CHEM 321 CHEM 322	Organic Chemistry 4 Organic Chemistry 4
or CHEM 331 CHEM 332 CHEM 333 CHEM 437	Organic Chemistry         3           Organic Chemistry         3           Organic Chemistry Laboratory I         2           Instrumental Methods         3
CHEM 438 CHEM 418	Instrumental Methods Laboratory 1 Introductory Physical Chemistry 3
CHEM 445	Physical Chemistry Laboratory 1
CHEM 443 CHEM 445	Physical Chemistry 3 Physical Chemistry Laboratory 1
CHEM 214 CHEM 216 Chemistry co	Elementary Biochemistry 3 Elementary Biochemistry Laboratory 1 urses selected with consent of advisor 0-3
Within the	College
Related Wo	
BISC 207 GEOL 105	Introductory Biology I         4           General Geology         4
MATH 221 MATH 222 or	Calculus I.         3           Calculus II         3
MATH 241 MATH 242	Analytic Geometry and Calculus A 4 Analytic Geometry and Calculus B 4
PHYS 201 or	Introductory Physics I
PHYS 207	Fundamentals of Physics I
PHYS 202 or PHYS 208	Introductory Physics II         4           Fundamentals of Physics II         4
Professional (23 credits) EDST 201 EDST 304 EDST 305 SCEN 491 EDST 420 EDDV 400	Education in a Multicultural Society 3 Educational Psychology – Social Aspects 3 Educational Psychology – Cognitive Aspects 3 Teaching Science in Secondary Schools 4 Reading in the Content Areas 1 Student Teaching 9
g.p.a. of 2.73 should consul	to student teach, Chemistry Education students must have a 5 in their chemistry major and an overall g.p.a. 2.5 Students the teacher education program coordinator (see list on p. n. the student application and other information concerning er policies.
	O TOTAL A MINIMUM OF 124

	BACHELOR OF SCIENCE CHEMISTRY		DEGREE: BACHELOR OF SCIENCE MAJOR: CHEMISTRY
CURRICULU!	w.	CREDITS	CONCENTRATION: ENVIRONMENTAL STUDIES
UNIVERSI	TY REQUIREMENTS		CURRICULUM CREDITS
ENGL 110	Critical Reading and Writing (minimum grade C-)		MAJOR REQUIREMENTS
Three credits	in an approved course or courses stressing	3	See previous column for all requirements for the B.S. in Chemistry.
	ral, ethnic, and/or gender-related content (see p. 20)		Concentration Requirements
	REQUIREMENTS		Basic Environmentally Related Science
Skill Requi			One of the following two-semester sequences: BISC 207/208 Introductory Biology I/II
A second wr two papers v extended fac must be take courses are r	inimum grade C-)  iting course involving significant writing experience includin  with a combined minimum of 3,000 words to be submitted fi  culty critique of both composition and content. This course  n after completion of 62 credit hours. Appropriate writing  normally designated in the semester's Registration Booklet.  burses approved for second writing requirement, page 59)	g	GEOG 152/220 Climate and Life/Meteorology 7 GEOL 106/107 General Geology 8  Advanced courses in Chemistry of the Environment Two of the following three-credit courses: BISC 302 General Ecology 3 CIEG 433 Hazardous Waste Management 3
eign languag single moder	<b>nguage:</b> of the intermediate-level course (107 or 112) in a modern for- tie. Students with four or more years of high school work in a n foreign language may attempt to fulfill the requirement in the taking an exemption examination (German recommended)	0-12 at	CIEG 435 Industrial Wastes Management 3 CIEG 437/637 Water and Waste Water Quality 3 CIEG 632 Chemical Aspects of Environmental Engineering 3 CIEG 634 Physical Aspects of Environmental Engineering 3 CIEG 636 Biological Aspects of Environmental Engineering 3 GEOG 412 Physical Climatology 3
A total of two required with from each gr Group A Understandin	equirements (See page 60) enty-one credits from Groups A, B and C is a minimum of six credits in each group. The six credits oup could be from the same area	21	GEOG 420 Atmospheric Physics 3 GEOG 423 Atmospheric Dynamics 3 GEOL 421 Environmental and Applied Geology 3 MAST 646 Chemical Oceanography 3 MAST 647 Physical Chemistry of Seawater 3 MAST 681 Remote Sensing of Environment 3 PLSC 608 Soil Chemistry 3
,	culture and institutions over time.		Candidates for a B.S. in chemistry must achieve a cumulative GPA of at least 2.00 for all chemistry courses taken. Repeated Chemistry courses
Group C Empirically b	ased study of human beings and their environment		will be counted only once in the calculation of the chemistry GPA. The calculation of the chemistry course GPA (2.00 minimum required for
	EQUIREMENTS		graduation) for candidates for the B.S. degree in Chemistry or Biochem-
	Department		istry will not include grades earned for lower level subdisciplinary courses taken <b>after</b> a higher level course in the same subdiscipline has been
CHEM 111 CHEM 119 CHEM 112 CHEM 331 CHEM 333 CHEM 332 CHEM 334 CHEM 443 CHEM 445	General Chemistry Quantitative Chemistry I General Chemistry I Quantitative Chemistry II Organic Chemistry Organic Chemistry Organic Chemistry Laboratory I Organic Chemistry Organic Chemistry Organic Chemistry Physical Chemistry Physical Chemistry Laboratory	2 3 3 3 2 2 3 2 3	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 have 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.
CHEM 437 CHEM 438 CHEM 527	Instrumental Methods Instrumental Methods Laboratory Introductory Biochemistry		DEGREE: BACHELOR OF SCIENCE
or	Biochemistry	2	MAJOR: BIOCHEMISTRY
CHEM 641 CHEM 444 CHEM 446 CHEM 457 CHEM 458 CHEM 465	Physical Chemistry Physical Chemistry Laboratory Inorganic Chemistry Inorganic Chemistry Laboratory Seminar (two semesters)	3 	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. 20)
	nemistry course at 600-level or higher		COLLEGE REQUIREMENTS
CHEM 468	Undergraduate Research (optional) credits to total a minimum of 45)	<b>3</b>	Skill Requirements
			Writing: (minimum grade C-)
Within the C Related Wo MATH 241 MATH 242 MATH 243 MATH 302		4 4	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 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 59)  Foreign Language:  0.12
PHYS 207 PHYS 208 or PHYS 201 PHYS 202	Fundamentals of Physics I. Fundamentals of Physics II. Introductory Physics I Introductory Physics II	4	Completion of the intermediate-level course (107 or 112) in a modern 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)
taken to meet	courses are completed sufficient elective credits must be the minimum credit requirement for the degree.		Breadth Requirements (See page 60)  A total of twenty-one credits from Groups A, B and C is
CREDITS TO	O TOTAL A MINIMUM OF	128	nom each group could be nom 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	
CHEM 111 General Chemistry	
CHEM 112 General Chemistry CHEM 119 Quantitative Chemistry I	2
CHEM 119 Quantitative Chemistry I CHEM 120 Quantitative Chemistry II	3
CHEM 331 Organic Chemistry	3
CHEM 333 Organic Chemistry Laboratory I	4
CHEM 332 Organic Chemistry CHEM 334 Organic Chemistry Majors Laboratory II	2
CHEM 342 Introduction to Biochemistry	3
CHEM 310 Computers in Chemistry (Recommended)	3
Or CHEAN 442 Physical Chamistry	,
CHEM 443 Physical Chemistry . CHEM 437 Instrumental Methods	3
CHEM 438 Instrumental Methods	1
CHEM 641 Biochemistry	3
CHEM 419 Introductory Physical Chemistry	٤
CHEM 444 Physical Chemistry	3
CHEM 445 Physical Chemistry Laboratory	1
CHEM 445 Physical Chemistry Laboratory CHEM 642 Biochemistry Advanced Chemistry or Biochemistry course at 600-level	3
Advanced Biochemistry courses at 600-level	٤
or	
Biology courses selected from the following:	8
BISC 301 Molecular Biology of the Cell (4) BISC 303 Genetic and Evolutionary Biology (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(two semesters)	2
CHEM 468 Undergraduate Research	6
or Biology laboratory courses selected from the following:	٥
BISC 303 Genetic and Evolutionary Biology (4)	3
BISC 306 General Physiology (4)	
BISC 371 Introduction to Microbiology (4)	
BISC 601 Immunochemistry (4)	
(Chemistry credits to total a minimum of 46)	
Within the College	
Related Work  MATH 241 Analytic Geometry and Calculus A	A
or	•
MATH 221 Calculus I	3
MATH 242 Analytic Geometry and Calculus B	4
or MATH 222 Calculus II	_
MATH 222 Calculus II	
BISC 208 Introductory Biology II	4
PHYS 201 Introductory Physics I	4
PHYS 202 Introductory Physics II	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 127	,
Candidates for a B.S. in biochemistry must achieve a cumulative GPA	

Candidates for a B S. 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.

#### REQUIREMENTS FOR A MINOR IN CHEMISTRY

The minor in chemistry requires a minimum of 19 credits as follows:

Credits

CHEM 103, 104, (or 111,112,119)

Any three of the following:

CHEM 220, 221 (or 437, 438)

CHEM 321 (or 331, 333)

CHEM 457, 458

CHEM 418, 445 (or 443, 445)

CHEM 527 or 641

3

Students must have a minimum grade of C- in each course counted toward the minor.

#### **COGNITIVE SCIENCE**

(See Linguistics)

#### COMMUNICATION

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/organizational communication, mass communication, public relations, and oral communication skills

Students enter this major as communication interest majors. A 2.0 overall GPA is required to declare the communication interest major. In order to qualify as communication majors, students must complete the four core courses with a minimum grade point average of 2.75.

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. Further information may be obtained from the department, or on the Internet by browsing the University home page (http://www.udel.edu) and following the links to the Department's homepage

# DEGREE: BACHELOR OF ARTS MAJOR: COMMUNICATION CONCENTRATION: INTERPERSONAL/ORGANIZATIONAL COMMUNICATION

CURRICULUM CREDITS See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department NOTE: All 4XX communication courses may be limited to COMM majors COMM 245, 256, 301, and 330 must each be completed with a GPA of 2.75 or better. COMM 245 Mass Communication and Culture COMM 256 Principles of Communication Theory COMM 301 Introduction to Communication Research Methods. COMM 330 Communication and Social Behavior COMM 350 Public Speaking COMM 361 Interpersonal Communication COMM 417 Communication and the Management of Conflict COMM 455 Symbolism in Organizations
COMM 456 Communication in Organizations One additional 400-level COMM course, not COMM 466 or COMM 464, outside your concentration

	MMM elective credits	5
COMM 200 COMM 251	Introduction to Human Communication Systems The Development of Verbal Communication Small Group Communication Speech and Language in Human Behavior Topics in Interpersonal and Organizational Communication Communication, Power and Values Analysis of Verbal Communication	3 3 3 3
	nunication Electives	
COMM 325 COMM 388 COMM 418 COMM 435 COMM 454	M 325 is prerequisite to COMM 388 and COMM 435  Television Production  TV Production Practicum  Topics in Mass Communication  Advanced TV Production and Direction  Children and the Mass Media	3
	tions Electives 307 is prerequisite to the following sequence and should be	
COMM 309 COMM 311 COMM 409 COMM 413	ophomore year  Introduction to Public Relations Public Relations Communication Techniques Public Relations Planning Public Relations Program Design	3
General Ele COMM x66 COMM 464	Independent Study/Special Problems (366/466) 1-6 Internship 1-6 Experimental Courses (367/467) 3	5
ELECTIVE After required		
	O TOTAL A MINIMUM OF	
MAJOR: C	ACHELOR OF ARTS OMMUNICATION PATION: MASS COMMUNICATION	
MAJOR: C	OMMUNICATION RATION: MASS COMMUNICATION	٠,
MAJOR: C CONCENT CURRICULUM See page 5	OMMUNICATION RATION: MASS COMMUNICATION	S
MAJOR: C CONCENT CURRICULUM See page 5	OMMUNICATION RATION: MASS COMMUNICATION  CREDIT 6 for University and College requirements. QUIREMENTS	·s
MAJOR: C CONCENT CURRICULUM See page 5 MAJOR RE Within the I NOTE: All 4X majors. COM	OMMUNICATION RATION: MASS COMMUNICATION  6 for University and College requirements. QUIREMENTS Department X communication courses may be limited to COMM M 245, 256, 301, and 330 must each be completed	
MAJOR: C CONCENT CURRICULUM See page 5 MAJOR RE Within the I NOTE: All 4X majors. COM with a GPA of COMM 245 COMM 350 COMM 350 COMM 350 COMM 350 COMM 350 COMM 450 One addition COMM 454	OMMUNICATION RATION: MASS COMMUNICATION  6 for University and College requirements. QUIREMENTS Department  X communication courses may be limited to COMM M 245, 256, 301, and 330 must each be completed 2.75 or better  Mass Communication and Culture Principles of Communication Theory Introduction to Communication Research Methods Communication and Social Behavior Public Speaking Legal Issues of the Mass Media Theories of Mass Communication 3 Media Message Analysis 3 Mass Communication Effects 3 and 400-level COMM course, not COMM 466 or 4 outside your concentration	
MAJOR: C CONCENT CURRICULUM See page 5 MAJOR RE Within the I NOTE: All 4X majors. COMM with a GPA of COMM 245 COMM 350 COMM 350 COMM 350 COMM 365 COMM 365 COMM 370 COMM 424 COMM 450 One additiona COMM 450 for a total a may be tak	OMMUNICATION RATION: MASS COMMUNICATION  5 for University and College requirements. QUIREMENTS Department  X communication courses may be limited to COMM M 245, 256, 301, and 330 must each be completed 2.75 or better.  Mass Communication and Culture Principles of Communication Research Methods Communication to Communication Research Methods 3 Communication and Social Behavior 9 Jublic Speaking 1 Legal Issues of the Mass Media 1 Theories of Mass Communication 3 Media Message Analysis 3 Mass Communication Effects 3 A 400-level COMM course, not COMM 466 or 4, outside your concentration. MM elective credits 6-15 In tol less than 36 nor more than 45 COMM credits. These are from the other concentrations or from the following: all/Organizational Communication Electives	
MAJOR: C CONCENT CURRICULUM See page 5 MAJOR RE Within the I NOTE: All 4X majors. COM with a GPA of COMM 256 COMM 350 COMM 350 COMM 365 COMM 365 COMM 365 COMM 424 COMM 450 One addition COMM 450 One addition COMM 450 Interperson COMM 200 COMM 201 COMM 251 COMM 251 COMM 438 COMM 440 COMM 445	OMMUNICATION RATION: MASS COMMUNICATION  6 for University and College requirements. QUIREMENTS Department  X communication courses may be limited to COMM M 245, 256, 301, and 330 must each be completed 2.75 or better.  Mass Communication and Culture Principles of Communication Theory 30 Introduction to Communication Research Methods 31 Communication and Social Behavior 32 Public Speaking 33 Legal Issues of the Mass Media 34 Theories of Mass Communication 35 Mass Communication Effects 36 Adolevel COMM course, not COMM 466 or 37 A, outside your concentration.  Media Messaga Analysis Mass Communication Effects 36 Afoot less than 36 nor more than 45 COMM credits. These en from the other concentrations or from the following:  Confusional Communication Electives Introduction to Human Communication Systems 38 Introduction to Human Communication Systems 39 Speech and Language in Human Behavior 30 Communication, Power and Values 30 Analysis of Verbal Communication 30 Small Scroup Communication 31 Communication, Power and Values 31 Analysis of Verbal Communication 32 Analysis of Verbal Communication 33 Analysis of Verbal Communication 34 Analysis of Verbal Communication 35 Analysis of Verbal Communication 36 Analysis of Verbal Communication 37 Analysis of Verbal Communication 38 Analysis of Verbal Communication 38 Analysis of Verbal Communication 38 Analysis of Verbal Communication 39 Communication 30 Communication 30 Communication 30 Communication 30 Communication 31 Communication 32 Communication 33 Communication 34 Communication 35 Communication 36 Communication 37 Communication 38 Communication 39 Communication 30 Co	
MAJOR: C CONCENT CURRICULUM See page 5 MAJOR RE Within the I NOTE: All 4X majors. COM with a GPA of COMM 256 COMM 350 COMM 350 COMM 350 COMM 365 COMM 365 COMM 424 COMM 450 One addition COMM 450 one addition COMM 450 Interperson COMM 200 COMM 251 COMM 251 COMM 438 COMM 440 COMM 445 COMM 455 COMM 455 COMM 455	OMMUNICATION RATION: MASS COMMUNICATION  6 for University and College requirements. QUIREMENTS Department  X communication courses may be limited to COMM M 245, 256, 301, and 330 must each be completed 2.75 or better.  Mass Communication and Culture Principles of Communication Theory Introduction to Communication Research Methods Communication and Social Behavior  Public Speaking Legal Issues of the Mass Media Theories of Mass Communication Media Message Analysis Mass Communication Effects Mass Communication Effects Al 400-level COMM course, not COMM 466 or 4, outside your concentration.  WM elective credits f not less than 36 nor more than 45 COMM credits. These en from the other concentrations or from the following: al/Organizational Communication Electives Introduction to Human Communication Systems 3 The Development of Verbal Communication Small Group Communication Speech and Language in Human Behavior Topics in Interpersonal and Organizational Communication 3 Communication, Power and Values	

COMM 435 COMM 454	Advanced TV Production and Direction
Public Relai	ions Electives
	307 is prerequisite to the following sequence and should e sophomore year
COMM 311 COMM 409	Introduction to Public' Relations
General Ele COMM x66 COMM 464	
	S  courses are completed sufficient elective credits must be the minimum credit requirement for the degree
CREDITS TO	TOTAL A MINIMUM OF 124

#### **COMPARATIVE LITERATURE**

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

DEGREE: BACHELOR OF ARTS MAJOR: COMPARATIVE LITERATURE	
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 20	3
COLLEGE REQUIREMENTS	
Skill Requirements	
Writing: (minimum grade C-) A second writing course involving significant writing experience two papers with a combined minimum of 3,000 words to be sub extended faculty critique of both composition and content. This must be taken after completion of 62 credit hours. Appropriate we courses are normally designated in the semester's Registration Both (See list of courses approved for second writing requirement, page 1.5.	including omitted for ourse vriting ooklet
Foreign Language:  Completion of the intermediate-level course (107 or 112) in a give guage. Students with four or more years of high school work in a foreign language may attempt to fulfill the requirement in that lantaking an exemption examination.	ven lan- a single

Mathematic	:s:	
MATH 114 (designed for s	Elementary Mathematics and Statistics students who do not intend to continue the study of mathematics)	. 3
MATH 115	Pre-Calculus students who intend to continue the study of mathematics)	3
	Calculus I.	: 3 4
Successful per	formance on the college proficiency exam	
Breadth Red	quirements (See page 60)	
Understanding	g and appreciation of the creative arts and humanities representing at least two areas	12
Group B The study of coing at least two	ulture and institutions over time. Twelve credits represent-	12
	used study of human beings and their environment Twelve enting at least two areas	12
The study of no minimum of the	atural phenomena through experiment and analysis. A irteen credits representing at least two areas including a ne course with an associated laboratory	13
MAJOR RE	QUIREMENTS	
Within the D	Pepartment	
(ENGL 205	Biblical and Classical Literature or 206 or CLMT 316 may be substituted or's approval)	3
CLMT 207 CLMT 208 CLMT 484 Comparative L	Great Writers of the Western World: 1100-1700 Great Writers of the Western World: 1650-1950 Literary Criticism Literature courses or courses in related fields by the advisor.	. 3
Within the C	College	
	n each of two national literatures studied in text with at least three credits at the 400-level	18
ELECTIVES	5	
	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS TO	TOTAL A MINIMUM OF12	24

#### REQUIREMENTS FOR THE MINOR IN COMPARATIVE LITERATURE

- 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**

With the aid of computers, it is possible to solve problems previously well beyond the reach of human capability at speeds that are equal to the urgency created by the modern world. Problems recently considered far too complex to be treated quantitatively are now solved routinely.

The Department of Computer and Information Sciences offers four-year undergraduate programs leading to either a Bachelor of Arts degree in computer science or a Bachelor of Science degree in computer science. The latest information on these programs is available in the department office in 103 Smith Hall or by e-mail to: ugradprgm@cis.udel.edu.

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.

DEGREE: BACHELOR OF ARTS	
MAJOR: COMPUTER AND INFORMATION SCIENCES	
	DITS
See page 56 for University and College requirements. MAJOR REQUIREMENTS	
Within the Department	
CISC 181 Introduction to Computer Science (Assumes some prior programming experience Students without prior experience should first take CISC 105.) CISC 220 Data Structures	3
CISC 260 Machine Organization and Microcomputers CISC 280 Programming Paradigms Eighteen credits of Computer Science numbered 301 or above, approved by the student's advisor.	: 3
Within the College  MATH 210 Discrete Mathematics I  MATH 241 Analytic Geometry and Calculus A  MATH 315 Discrete Mathematics II.	4
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 1	24
DEGREE: BACHELOR OF SCIENCE D'abeffeuir	$\frac{1}{1}\beta$
MAJOR: COMPUTER AND INFORMATION SCIENCES do	
CURRICULUM	DITS
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. 20)	3 /
COLLEGE REQUIREMENTS	
Skill Requirements	3
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 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet.	
(See list of courses approved for second writing requirement, page 59)  Breadth Requirements (See page 60)	1.4
Six credits from each of the following groups	18
Group A Understanding and appreciation of the creative arts and humanities	
Group B The study of culture and institutions over time	\$ 1. f
Group C Empirically based study of human beings and their environment	
MAJOR REQUIREMENTS	
Within the Department	
CISC 181 Introduction to Computer Science.  (Assumes some prior programming experience Students without prior experience should first take CISC 105.)	3
CISC 220 Data Structures CISC 260 Machine Organization and Microcomputers	3
CISC 280 Programming Paradigms CISC 310 Logic and Programming	
CISC 320 Algorithms and Advanced Programming	3
CISC 360 Computer Architecture CISC 361 Operating Systems CISC 471 Compiler Design	. 3
CISC Electives	
Nine credits of Computer Science numbered 301 or above, approved by the student's advisor.	

ntration	12
in advanced courses in an advisor-approved concentra- are encouraged to explore how other subject areas e impacted by computer science. An approval form CISC advisor is required	
College	
rk	
Discrete Mathematics I.  Analytic Geometry and Calculus A.  Discrete Mathematics II.  Statistical Methods.  Written Communications in Business.	4 3 4
Technical Writing Computers, Ethics and Society	. 3
lowing sequences of laboratory science courses:	
Fundamentals of Physics I. Fundamentals of Physics II.	4
General Chemistry General Chemistry	
Introductory Biology I Introductory Biology II	
General Geology General Geology	
Iniversity	
Introduction to Digital Systems	. 4
Introduction to Combinational Logic	
Introduction to Sequential Circuits	. 2
courses are completed, sufficient elective credits must be	
	in advanced courses in an advisor-approved concentra- are encouraged to explore how other subject areas e impacted by computer science. An approval form CISC advisor is required  college rk  Discrete Mathematics I. Analytic Geometry and Calculus A. Discrete Mathematics II. Statistical Methods Written Communications in Business  Technical Writing Computers, Ethics and Society lowing sequences of laboratory science courses: Fundamentals of Physics II.  General Chemistry General Chemistry Introductory Biology I Introductory Biology I Introductory Biology I Introduction to Digital Systems  Introduction to Combinational Logic Introduction to Sequential Circuits

#### REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

taken to meet the minimum credit requirement for the degree

A minor in computer science consists of a total of 15 to 17 credits including CISC 181, CISC 220, and CISC 280. Students without prior programming experience should take CISC 105 first. Six additional credits at the 200-level or above should be chosen with the advisor's approval.

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

#### **CRIMINAL JUSTICE**

See Sociology and Criminal Justice

#### **EAST ASIAN STUDIES**

This is an interdisciplinary 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 WITHOUT LANGUAGE

Number of credits required:	18
A minimum grade of C- is required in all courses	

A. Introductory Courses

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 Culture 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	Fast Asian Political Systems

#### **B.** Advanced Courses

6 credits from the following courses in economics, history, linguistics, and political science:

East Asian Economic Systems
Modern China: 1600-1920s
China Since 1900
History of Modern Japan
History of Modern Vietnam
China and the West
Seminar in Asian History
Structure of Chinese
Structure of Japanese
Politics in China
Politics in Japan
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 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 students' language placement.

#### **ECONOMICS**

**E**conomics, 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.

The program leading to a Bachelor of Arts degree with a major in economics for a student enrolled in the College of Arts and Science has 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.

Students majoring in economics will be advised by the faculty of the Department of Economics within the College of Business and Economics.

	BACHELOR OF ARTS
CURRICULU	
	56 for University and College requirements.
	EQUIREMENTS Department
(Minimum C- ECON 151 ECON 152 ECON 300	Department         in all required ECON courses )         Introductory Microeconomics: Prices and Markets       3         Introductory Macroeconomics: National Economy       3         Intermediate Microeconomic Theory       3
ECON 302 ECON 303	Intermediate Macroeconomic Theory
Within the	College
STAT 201	Introduction to Statistics I
STAT 370	Introduction to Statistical Analysis I
STAT 202	Introduction to Statistics II
STAT 371	Introduction to Statistical Analysis II
Accountin ence, Finc cal Science	chosen from any 300-level or higher course in 9g, Anthropology, Business Administration, Computer Scinnce, Geography, History, Mathematics, Philosophy, Politie, Psychology, Sociology and Statistics Also acceptable 207,208 and 261, any 200-level Mathematics course and
	CS I courses are completed, sufficient elective credits must be the minimum credit requirement for the degree
CREDITS T	O TOTAL A MINIMUM OF 124
sponding cou ECON 344 of Department revision. Up-t	of be allowed for both courses of any of the following sets of corre- press: ECON 311 and ECON 411; ECON 332 and ECON 433; and ECON 444; and ECON 381 and ECON 483. The ental requirements and course descriptions are subject to continual co-date statements of requirements, course descriptions, and depart- es are available in the department office.
	SACHELOR OF ARTS CONOMICS EDUCATION
CURRICULUA	
	6 for University and College requirements.
	EQUIREMENTS
Within the I	in all required ECON courses )
ECON 151 ECON 152 ECON 300	Introductory Microeconomics: Prices and Markets     3       Introductory Macroeconomics: National Economy     3       Intermediate Microeconomic Theory     3
or ECON 301 ECON 302 ECON 303 Five Economi	Quantitative Microeconomic Theory 3 Banking and Monetary Policy 3 Intermediate Macroeconomic Theory 3 cs courses, at least two of which are at or above 15
the 400-le	vel in the first of the state o
Within the	
POSC 105 GEOG 120 HIST 104 HIST 206	The American Political System3World Regional Geography3World History 1648 to Present3United States History since 18653
Additional cre (Political S	edits to total 27 with nine credits in each discipline
Professional	Studies
EDST 201 EDST 304 EDST 305 HIST 491	Education in a Multicultural Society       3         Educational Psychology – Social Aspects       3         Educational Psychology – Cognitive Aspects       3         Planning a Course of Instruction       3

HIST 493 EDST 420 EDDV 400	Seminar: Problems in Teaching History and Social Sciences Reading in the Content Areas Student Teaching	. 1
g p.a. of 30 consult the tea	to student teach, Economics Education students must have a in their major and an overall g.p.a of 2.75 Students should acher education program coordinator (see list on p. 127) to dent teaching application and other information concerning ing policies	
CREDITS T	O TOTAL A MINIMUM OF 12	4

#### **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, 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 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 concentration 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, 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.

# DEGREE: BACHELOR OF ARTS MAJOR: ENGLISH

**CREDITS** See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department Five of the following six courses: ENGL 202 Biblical and Classical Literature British Literature ( **ENGL 205** ENGL 206 British Literature II **ENGL 300** Texts and Contexts ENGL 324 Shakespeare .... **ENGL 340 ENGL 341** American Literature: Civil War to World War II Twelve credits at the 300-level or above distributed as follows: a. A course other than Shakespeare in Medieval or Renaissance literature b. A course in literature between 1700 and 1900 A course in Modern literature

d. A course in cultural and theoretical studies

English courses at or above the 300-level 6 English courses at or above the 200-level 3 All English majors must take at least one ENGL 480 seminar and can	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.
count only one 200-level course toward the minimum number of credits for the major.	<ul> <li>A course in Modern literature or a course in cultural and theoretical studies</li> <li>A literature course</li> </ul>
ELECTIVES	Students concentrating in film must take the following film courses:
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree	ENGL 217 Introduction to Film
CREDITS TO TOTAL A MINIMUM OF 124	ENGL 417 Film Theory and Criticism
DECREE DACHELOD OF ADYC	only one 200-level course toward the minimum number of credits for the
DEGREE: BACHELOR OF ARTS MAJOR: ENGLISH CONCENTRATION: BUSINESS/TECHNICAL WRITING	major ELECTIVES
CURRICULUM CREDITS	After required courses are completed, sufficient elective credits must be
See page 56 for University and College requirements.	taken to meet the minimum credit requirement for the degree
MAJOR REQUIREMENTS	CREDITS TO TOTAL A MINIMUM OF 124
Within the Department	
Five of the following six courses:	
ENGL 202 Biblical and Classical Literature	DEGREE: BACHELOR OF ARTS
ENGL 205 British Literature   3	MAJOR: ENGLISH
ENGL 206 British Literature II 3 ENGL 300 Texts and Contexts 3	CONCENTRATION: JOURNALISM
ENGL 300 lexis and Confexis	CURRICULUM CREDITS
ENGL 340 American Literature to the Civil War 3	See page 56 for University and College requirements.
or,	MAJOR REQUIREMENTS
ENGL 341 American Literature: Civil War to World War II	Within the Department
Nine credits at the 300-level or above distributed as follows:	Five of the following six courses:  ENGL 202 Biblical and Classical Literature
<ul> <li>a. A course other than Shakespeare in Medieval or Renaissance liter- ature or a course in literature between 1700 and 1900.</li> </ul>	ENGL 202 Biblical and Classical Liferature 3  ENGL 205 British Literature 1 3
b. A course in Modern literature or a course in cultural and theoretical	ENGL 206 British Literature II
studies .	ENGL 300 Texts and Contexts 3
c. A literature course	ENGL 324 Shakespeare 3
One of the following three courses  ENGL 312 Written Communications in Business	ENGL 340 American Literature to the Civil War
ENGL 410 Technical Writing 3	ENGL 341 American Literature: Civil War to World War II
ENGL 415 Writing for the Professions 3	Nine credits at the 300-level or above distributed as follows:
ENGL 411 Rhetoric for Business and Technical Writers 3	a. A course other than Shakespeare in Medieval or Renaissance liter-
ENGL 412 Business and Technical Publication 3 ENGL 414 Technical Editing 3	ature or a course in literature between 1700 and 1900.  b. A course in Modern literature or a course in cultural and theoretical
ENGL 464 Internship in Business/Technical Writing 3	studies
Optional:	c. A literature course.
ENGL 413 Topics in Technical Writing or one other EBT course 3	Prior to enrolling in the following course, ENGL 110 or equivalent must
All EBT majors must take at least one ENGL 480 seminar and can count	be completed with a grade of B or better ENGL 307 News Writing and Editing 3
only one 200-level course toward the minimum number of credits for the	At least nine credits chosen from among the following courses: 9
major	ENGL 308 Reporter's Practicum
ELECTIVES	ENGL 309 Feature and Magazine Writing 3
After required courses are completed, sufficient elective credits must be	ENGL 310 Copy Editing and Layout 3 ENGL 407 Advanced Reporting 1-3
taken to meet the minimum credit requirement for the degree. Most con- centrators take a core of courses in a technical or business discipline such	ENGL 407 Advanced Reporting 1-3
as Computer Science, Chemistry, Business Administration or Accounting	May be taken in addition to the 36 required credits in English:
CREDITS TO TOTAL A MINIMUM OF 124	ENGL 466 Internship 1-6
CREDITS TO TOTAL A MINIMOM OF	All EJR 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
DEGREE: BACHELOR OF ARTS	major.
MAJOR: ENGLISH	ELECTIVES
CONCENTRATION: FILM	After required courses are completed, sufficient elective credits must be
CURRICULUM CREDITS	taken to meet the minimum credit requirement for the degree
See page 56 for University and College requirements.	CREDITS TO TOTAL A MINIMUM OF 124
MAJOR REQUIREMENTS	
Within the Department	DEGREE: BACHELOR OF ARTS
Five of the following six courses:	MAJOR: ENGLISH EDUCATION
ENGL 202 Biblical and Classical Literature 3	CURRICULUM CREDITS
ENGL 205 British Literature	See page 56 for University and College requirements.
ENGL 300 Texts and Contexts	
ENGL 324 Shakespeare 3	MAJOR REQUIREMENTS
ENGL 340 American Literature to the Civil War	Within the Department
Or	ENGL 202 Biblical and Classical Literature 3 ENGL 205 British Literature 3
ENGL 341 American Literature: Civil War to World War II	ELITOR EDG DITION CHOICE A MARKET LINE OF THE COLUMN AND AND ADDRESS OF THE COLUMN AND ADDRESS O

ENGL 206 ENGL 302	British Literature II Advanced Composition	
ENGL 324	Shakespeare	
ENGL 340	American Literature to the Civil War	3
ENGL 341	American Literature: Civil War to World War II	3
ENGL 390	English Linguistics	3
Three English	courses at the 300-level or above distributed as follows:	
20th-century i	British, American or Comparative literature	3
	y and Criticism	🤇
All XEE major	s must take at least one ENGL 480 seminar	
Within the (	College	
COMM 251,	255, 312, or 350 or THEA 102 or 226	3
One of the fo		
ENGL 494	History of the English Language	3
LING 491	Semantics I	
LING 497	Sociolinguistics of English in the Inner City	> 3
LING 498	Teaching English as a Second Language	: 3
Professional		
EDST 201	Education in a Multicultural Society	3
EDST 304	Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects	,
EDST 305 ENGL 383	Educational Psychology – Cognitive Aspects	
ENGL 383	Teaching Composition in Secondary School	
ENGL 481	Teaching English in Secondary School Seminar in Teaching English	3
EDDV 400	Student Teachina	
EDDV 403	Adolescent Literature	3
To be eligible	to student teach, English Education students must have a	
g.p.a. of 3.0	in their English major and an overall a p.a. of 2.75. Stu-	
dents should d	consult the teacher education program coordinator (see list	
	obtain the student teaching application and other informa-	
tion concernir	ng student teaching policies	
ELECTIVE	S	
After required	courses are completed, sufficient elective credits must be	
	the minimum credit requirement for the degree	
		1.0
ARERITO TO	A TATAL A RAINIRALIZA AP	104
CREDITS TO	O TOTAL A MINIMUM OF	. 124
CREDITS TO	O TOTAL A MINIMUM OF	. 124
DEGREE: B	ACHELOR OF ARTS	. 124
DEGREE: B	ACHELOR OF ARTS NGLISH	. 124
DEGREE: B	ACHELOR OF ARTS	. 124
DEGREE: B	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES	. 124
DEGREE: B MAJOR: EI CONCENTI	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES	
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements.	
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50 MAJOR RE	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS	
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50 MAJOR RE Within the L	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department	
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the D Five of the foll	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses:	CREDIT
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50 MAJOR RE Within the full Five of the foll ENGL 202	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature	CREDIT
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50 MAJOR RE Within the full Five of the foll ENGL 202	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature	CREDIT
DEGREE: B MAJOR: El CONCENTI CURRICULUM See page 50 MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature   British Literature   British Literature   Ill Texts and Contexts	CREDIT
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 5: MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 205 ENGL 300 Concentrators	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II. Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300	CREDIT
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 5: MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 205 ENGL 300 Concentrators	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature   British Literature   British Literature   Ill Texts and Contexts	CREDIT
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 5: MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 205 ENGL 300 Concentrators	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II. Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300	CREDIT
DEGREE: B MAJOR: El CONCENTI CURRICULUM See page 50 MAJOR RE Within the I Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen	3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 50 MAJOR RE Within the ID Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the ENGL 324 ENGL 340 or	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature   British Literature   British Literature   Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War	3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the EI ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the I ENGL 324 ENGL 340 or ENGL 341	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature   British Literature   British Literature   I Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War American Literature: Civil War to World War II	3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTION CURRICULUM See page 50 MAJOR RE Within the LE Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A court	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department Owing six courses: Biblical and Classical Literature British Literature   British Literature   British Literature   Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War   If the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance liter-	3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 5: MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 300 Concentrators as one of the foll ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A couralture of	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES  6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature: Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the I Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the toll ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A coun ature of b A coun	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literar a course in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretica	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the II Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A coun ature b A couns studies	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literar a course in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretica	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the lengl 324 ENGL 340 or ENGL 341 Nine credits at a A court at a court	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the ID Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the ENGL 324 ENGL 340 or ENGL 341 Nine credits a a. A courature of b. A courature of b. A courature of concentrations c. A literal	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical sture course. ENGL 300, students concentrating in Ethnic and Cultural	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the foll ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A coun- ature o b A coun- studies c A litero In addition to Studies must to	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department Owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical stature course. ENGL 300, students concentrating in Ethnic and Cultural size the following courses:	33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the L Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the foll ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A coun- ature o b A coun- studies c A litero In addition to Studies must to	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II British Literature ENGL 300  Shakespeare American Literature: Civil War to World War II I the 300-level or above, distributed as follows: See other than Shakespeare in Medieval or Renaissance literar a course in literature between 1700 and 1900. See in Modern literature or a course in cultural and theoretical sture course ENGL 300, students concentrating in Ethnic and Cultural stake the following courses: Introduction to Ethnic and Cultural Studies	33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the I Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the tell ENGL 324 ENGL 340 or ENGL 341 Nine credits a	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department Owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War  American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical stature course. ENGL 300, students concentrating in Ethnic and Cultural size the following courses:	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Within the D Five of the foll ENGL 202 ENGL 205 ENGL 300 Concentrators as one of the tell ENGL 324 ENGL 340 or ENGL 341 Nine credits a a A countrators at a A countrators at a Countrators and a Countrators and a Countrators b A countrators c A literators In addition to the tell ENGL 379 ENGL 382	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II. Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literature acourse in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical sture course. ENGL 300, students concentrating in Ethnic and Cultural studies in Multicultural Literature (may be repeated for credit when topics differ)	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
DEGREE: B MAJOR: EI CONCENTI CURRICULUM See page 56 MAJOR RE Five of the foll ENGL 202 ENGL 205 ENGL 206 ENGL 300 Concentrators as one of the lengl 324 ENGL 340 or ENGL 341 Nine credits a a A coura studies a Cour	ACHELOR OF ARTS NGLISH RATION: ETHNIC AND CULTURAL STUDIES 6 for University and College requirements. QUIREMENTS Department owing six courses: Biblical and Classical Literature British Literature I British Literature II Texts and Contexts in Ethnic and Cultural Studies must include ENGL 300 five courses chosen Shakespeare American Literature to the Civil War American Literature: Civil War to World War II t the 300-level or above, distributed as follows: se other than Shakespeare in Medieval or Renaissance literar a course in literature between 1700 and 1900. se in Modern literature or a course in cultural and theoretical studies and Cultural studies in Multicultural Literature Studies in Multicultural Literature ENGL 300, students concentrating in Ethnic and Cultural studies Studies in Multicultural Literature	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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

#### REQUIREMENTS FOR OTHER PROGRAMS 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.

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 Program; 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

#### **FOREIGN LANGUAGES AND LITERATURES**

Modern. 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 high-tech 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 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.

#### PLACEMENT AND DUPLICATE CREDIT

**5** tudents 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 107-level. 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 course 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 100-level 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

# FOREIGN LANGUAGE EDUCATION

The Department of Foreign Languages & Literatures administers the B A program in Foreign Language Education leading to secondary certification in Classics, French, German, Italian, Latin, Russian, and Spanish. 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

	BACHELOR OF ARTS CLASSICAL STUDIES	
CURRICULUA	<b>A</b> *	CREDITS
See page 5	6 for University and College requirements.	
MAJOR RI	EQUIREMENTS	
Within the	Department	
	Elementary Greek I Elementary Greek II n Latin at the 200-level or above in Latin or Greek at the 200-level or above	3 9
Within the		
chosen wil requiremen	edits at the 200-level or above the prior approval of the advisor and according to option onto the following areas: Anthropology, Art History, we Literature, English, Foreign Languages and Literatures, ilosophy.	21
ELECTIVE	$\mathbf{S}$	
	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS T	O TOTAL A MINIMUM OF	124
The faculty of	e associate chair of the department for detailed requirement each program shall determine specific course requirements more stringent than those listed above.	
MAJOR: F	ACHELOR OF ARTS OREIGN LANGUAGES AND LITERATURES RATION: CLASSICS	
CURRICULUM	ran da ara da da estada en est Estada	CREDITS
	6 for University and College requirements.	CKEDITO
MAJOR RE	QUIREMENTS	
Within the I	Department	
	Elementary Greek Elementary Greek its in Greek and Latin above the 100-level with six credits the 300-level, and at least six credits in each language	3
FLLT 202 FLLT 316 FLLT 322	The Scolever, and a least six creats in each language Biblical and Classical Literature Classical Mythology Topics: Classical Literature in Translation	3
Within the C	College	
courses in t	m 200-, 300-, or 400-level courses (including translation) in Foreign Languages and Literatures, Compar- ture, Linguistics, or other departments, selected in consulta- e advisor	
ELECTIVE	${f s}^{*}$ . The second contract of the se	
After required aken to meet	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS TO	O TOTAL A MINIMUM OF	124
	ACHELOR OF ARTS LASSICS EDUCATION	
CURRICULUM	modern trounier	CREDITS
	for University and College requirements.	CKEDIIS
	OUIREMENTS	
Within the D		
	Elementary Greek I	3
CREV 100	Flamontony Grook II	~ ~

Elementary Greek II

with six credit	in Greek and Latin at or above the 100-level s at or above the 300-level, and at least 3 credits age. Biblical and Classical Literature Classical Mythology	3
FLLT 322	Topics: Classical Literature in Translation	6
Professional	Studies	
EDST 201 EDST 304 EDST 305 EDDV 400 FLLT/LING 42 FLLT/LING 42 LING/FLLT 42	2 Language Syllabus Design	3 3 9 3
must have a g overall g.p.a. program coor	to student teach, Foreign Language Education students p.a. of 3.0 in their Classics Education major and an of 2.75. Students should consult the teacher education dinator (see list on p. 127) to obtain the student application	
ELECTIVE	S	
	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS TO	O TOTAL A MINIMUM OF	124
DEADEE. D	A CURLOD OF A DYC	
	ACHELOR OF ARTS  OREIGN LANGUAGES AND LITERATURES	
	RATION: FRENCH STUDIES	
tion (language	nt options available under the French Studies concentra- e and literature, civilization and culture, area studies, peri- guistics), students should see their advisor or the associate epartment	
CURRICULUM		<b>CREDITS</b>

#### See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department

Twelve credits in FREN electives at the 200-level and above 12 Twelve credits in FREN literature at the 300 or 400-level (at least six credits must be at the 400-level)

Within the College 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, Theatre

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

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 CREDITS** See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department FREN 201 FREN 202 French Reading & Composition: Theatre FREN 301 French Literature: Prose French Literature: Poetry & Theatre 3 French Phonetics 3 FREN 302 FREN 314 One of the following courses: Intensive French Composition 3 Practical Oral/Written Expression 3 FREN 313 **FREN 306 FREN 305** Advanced French Conversation

GREK 102

Two of the following courses: FREN 308 Contemporary France II 3	GRMN 211 German Reading and Composition: Short Fiction
FREN 308 Contemporary France II 3 FREN 325 French Civilization I 3	GRMN 212 German Reading and Composition: Drama 3
FREN 326 French Civilization II	GRMN 305 German Conversation and Composition
FREN 453 French Civilization III	or
One of the following courses: FREN 401 Advanced French Grammar 3	GRMN 306 Practical Oral/Written Expression 3
FREN 402 Advanced French Composition 3	GRMN 311 Introduction to German Literature !
FREN 403 History & Evolution of French Language 3	GRMN 312 Introduction to German Literature II
FREN 406 Advanced French Language 3 LING 440 Structure of French 3	GRMN 308 Contemporary Germany II
Six credits in French Literature at the 400-level 6	Or
Professional Studies	GRAN 325 German Civilization and Culture
EDST 201 Education in a Multicultural Society 3	GRMN 340 Focus on Genre: German Drama, Prose or Poetry
EDST 304 Educational Psychology – Social Aspects 3 EDST 305 Educational Psychology – Cognitive Aspects 3	GRMN 355 Special Topics
EDDV 400 Student Teaching 9	One of the following courses:
FLLT/LING 421 Methods of Teaching Foreign Languages 3	GRMN 403 History of the German Language
FLLT/LING 422 Language Syllabus Design 3 LING/FLLT 424 Second Language Testing 3	GRMN 406 Advanced German Language 3 LING 460 The Structure of German 3
	Six credits in GRMN literature at the 400-level
To be eligible to student teach, Foreign Language Education students must have a g p a. of 3 0 in their French Education major and an overall g.p a.	Professional Studies
of 2.75. Students should consult the teacher education program coordina-	EDST 201 Education in a Multicultural Society
tor (see list on p. 127) to obtain the student application and other informa-	EDST 304 Educational Psychology – Social Aspects 3
tion concerning student teaching policies	EDST 305 Educational Psychology – Cognitive Aspects 3
ELECTIVES	FLLT/LING 421 Methods of Teaching Foreign Languages 3 FLLT/LING 422 Language Syllabus Design 3
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree	LING/FLLT 424 Second Language Testing 3
taken to meet the minimum creatit requirement for the degree.	EDDV 400 Student Teaching 9
DEGREE: BACHELOR OF ARTS	To be eligible to student teach, Foreign Language Education students must have a g.p.a. of 3.0 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. 127) to obtain the student application and other information concerning student teaching policies.
MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: GERMAN STUDIES	ELECTIVES
	After required courses are completed, sufficient elective credits must be
For the different options available under the German Studies concentra- tion (language and literature, civilization and culture, area studies, peri-	taken to meet the minimum credit requirement for the degree
	raken to most me minimum areas requirement to me degree
od studies, linguistics), students should see their advisor or the associate	
	CREDITS TO TOTAL A MINIMUM OF 124
od studies, linguistics), students should see their advisor or the associate	
od studies, linguistics), students should see their advisor or the associate chair of the department	CREDITS TO TOTAL A MINIMUM OF 124  DEGREE: BACHELOR OF ARTS
od studies, linguistics), students should see their advisor or the associate chair of the department  CURRICULUM  CREDITS	CREDITS TO TOTAL A MINIMUM OF
od studies, linguistics), students should see their advisor or the associate chair of the department.  CURRICULUM CREDITS  See page 56 for University and College requirements.	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: ITALIAN STUDIES
od studies, linguistics), students should see their advisor or the associate chair of the department  CURRICULUM  CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  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-level)	CREDITS TO TOTAL A MINIMUM OF
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DEGREE: BACHELOR OF ARTS MAJOR: ITALIAN EDUCATION		DEGREE: BACHELOR OF ARTS MAJOR: LATIN EDUCATION
CURRICULUM	CREDITS	CURRICULUM CREDITS
See page 56 for University and College requirements. MAJOR REQUIREMENTS		See page 56 for University and College requirements. MAJOR REQUIREMENTS
Within the Department		Within the Department
ITAL 200 Italian Grammar Review	3	LATN 2xx
or ITAL 250 Introduction to Business Italian	3	LATN 3xx and/or LATN 4xx 9 LATN 421 Latin Prose Composition 3
ITAL 205 Italian Conversation		LATN 431 History of Latin Literature 3 LATN 4xx 9
or ITAL 206 Culture through Conversation	3	Professional Studies
ITAL 211 Italian Reading and Composition: Short Fiction		EDST 201 Education in a Multicultural Society 3
or		EDST 304 Educational Psychology – Social Aspects 3 EDST 305 Educational Psychology – Cognitive Aspects 3
ITAL 212 Italian Reading and Composition: Drama and Prose ITAL 305 Advanced Italian Conversation and Composition		EDDV 400 Student Teaching 9
or		FLLT/LING 421 Methods of Teaching Foreign Languages 3 FLLT/LING 422 Language Syllabus Design 3
ITAL 306 Practical Oral/Written Expression		LING/FLLT 424 Second Language Testing 3
ITAL 3xx Literature ITAL 3xx Civilization ITAL 4xx Literature ITAL 4xx Language  Professional Studies	3 6	To be eligible to student teach, Foreign Language Education students must have a g p a of 3 0 in their Latin Education major and an overall g p a of 2.75. Students should consult the teacher education program coordinator (see list on p 127) to obtain the student application and other information concerning student teaching policies.
EDST 201 Education in a Multicultural Society	<b>3</b>	ELECTIVES
EDST 304 Educational Psychology – Social Áspects Educational Psychology – Cognitive Aspects		After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree
EDDV 400 Student Teaching FUT/LING 421 Methods of Teaching Foreign Languages FUT/LING 422 Language Syllabus Design LING/FUT 424 Second Language Testing	3	CREDITS TO TOTAL A MINIMUM OF 124
or (see list on p. 127) to obtain the student application and other info ion concerning student teaching policies. ELECTIVES  After required courses are completed, sufficient elective credits must be		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 CREDITS
aken to meet the minimum credit requirement for the degree		See page 56 for University and College requirements.
CREDITS TO TOTAL A MINIMUM OF	124	MAJOR REQUIREMENTS
		Within the Department
DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: LATIN STUDIES		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
For the different options available under the Latin Studies concentra- ion (language and literature, area studies, period studies), students should see their advisor or the associate chair of the department.		Within the College
CURRICULUM	CREDITS	A total of nine credits at the 200-level or above, chosen 9 with prior approval of the advisor and according to option require-
See page 56 for University and College requirements.	CREDITO	ments, from the following areas: Russian, Art History, Comparative Liter- ature, English, Foreign Languages and Literatures, History, Linguistics,
MAJOR REQUIREMENTS		Music, Political Science
Within the Department	10	ELECTIVES
welve credits in LATN electives at the 200-level and above welve credits in LATN literature at the 300 or 400-level (at least six credits must be at the 400-level)		After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree
Within the College		CREDITS TO TOTAL A MINIMUM OF 124
A total of twelve to fifteen credits at the 200-level or above, chosen with prior approval of the advisor and according to option req ments, from the following areas: Latin, Anthropology, Art History, Com ative Literature, English, Foreign Languages and Literatures, History,	uire-	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.
Linguistics, Music, Philosophy, Political Science, Theatre		DEGREE: BACHELOR OF ARTS
ELECTIVES After required courses are completed, sufficient elective credits must be		MAJOR: RUSSIAN EDUCATION
aken to meet the minimum credit requirement for the degree.		CURRICULUM CREDITS
CREDITS TO TOTAL A MINIMUM OF	124	See page 56 for University and College requirements.  MAJOR REQUIREMENTS
Note: See the associate chair of the department for detailed requirement	ents.	MAJOR REQUIREMENTS Within the Department
he faculty of each program shall determine specific course requiremer which may be more stringent than those listed above	nts,	One of the following courses: RUSS 200 Russian Grammar Review 3 RUSS 205 Russian Conversation 3

RUSS 206 Practical Oral/Written Expression 3	One of the following courses:
RUSS 211 Russian Reading and Composition 3	SPAN 308 Contemporary Spain II
RUSS 305 Russian Conversation and Composition 3	SPAN 326 Latin American Civilization and Culture 3
Two of the following courses: RUSS 310 Introduction to Russian Literature !	Any three of the following four literature survey courses:
RUSS 310 Introduction to Russian Literature I	SPAN 301 Survey of Spanish Literature
RUSS 325 Russian Civilization and Culture 3	SPAN 302 Survey of Spanish Literature
RUSS 401 Advanced Russian Grammar and Composition 3	SPAN 303 Survey of Spanish-American Literature 3
Six credits in RUSS literature at the 400-level	SPAN 304 Survey of Spanish-American Literature 3
Related Work:	SPAN 305 Oral Communication
FLLT 327 Topics: Russian Literature in Translation 3 FLLT 375 Topics: Russian and Soviet Culture in Translation 3	SPAN 306 Practical Oral/Written Expression 3
	SPAN 314 Spanish Phonetics and Phonology 3
Professional Studies	One of the following courses:
EDST 201 Education in a Multicultural Society 3 EDST 304 Educational Psychology – Social Aspects 3	SPAN 401 Advanced Spanish Grammar
EDST 305 Educational Psychology - Cognitive Aspects 3	SPAN 403 History of the Spanish Language 3 SPAN 406 Advanced Spanish Language 3
EDDV 400 Student Teaching 9	
FLIT/LING 421 Methods of Teaching Foreign Languages 3 FLIT/LING 422 Language Syllabus Design 3	Six credits in SPAN literature at the 400-level
FLIT/LING 422 Language Syllabus Design 3 LING/FLIT 424 Second Language Testing 3	Professional Studies
	EDST 201 Education in a Multicultural Society 3
To be eligible to student teach, Foreign Language Education students must have a g p a of 3 0 in their Russian Education major and an overall	EDST 304 Educational Psychology – Social Áspects 3 EDST 305 Educational Psychology – Cognitive Aspects 3
g p.a. of 2.75. Students should consult the teacher education program	EDDV 400 Student Teaching 9
coordinator (see list on p 127) to obtain the student application and other	FLLT/LING 421 Methods of Teaching Foreign Languages 3
information concerning student teaching policies	FLIT/LING 422 Language Syllabus Design 3
ELECTIVES	LING/FLLT 424 Second Language Testing 3
After required courses are completed, sufficient elective credits must be	To be eligible to student teach, Foreign Language Education students must
taken to meet the minimum credit requirement for the degree	have a g.p.a. of 3 0 in their Spanish Education major and an overall g.p.a. of 2.75. Students should consult the teacher education program
CREDITS TO TOTAL A MINIMUM OF 124	coordinator (see list on p. 127) to obtain the student application and other
	information concerning student teaching policies
	ELECTIVES
DEGREE: BACHELOR OF ARTS	After required courses are completed, sufficient elective credits must be
MAJOR: FOREIGN LANGUAGES AND LITERATURES	taken to meet the minimum credit requirement for the degree
CONCENTRATION: SPANISH STUDIES	CREDITS TO TOTAL A MINIMUM OF 124
For the different options available under the Spanish Studies concen-	
ror the different options available under the opanish studies concen- tration (language and literature, civilization and culture, Spanish area studies, Latin American area studies, period studies, linguistics), stu-	
tration (language and literature, civilization and culture, Spanish area	DEGREE: BACHELOR OF ARTS
tration (language and literature, civilization and culture, Spanish area studies, Latin American area studies, period studies, linguistics), stu-	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES
tration (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.	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES
tration (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 CUR	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS
tration (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 CREDITS  See page 56 for University and College requirements.	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS See page 56 for University and College requirements.
tration (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 CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS See page 56 for University and College requirements.  MAJOR REQUIREMENTS
tration (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 CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  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 12	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS See page 56 for University and College requirements.
tration (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 CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  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 12  (at least six credits must be at the 400-level)	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  First Language
tration (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 CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  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 12  (at least six credits must be at the 400-level)  Within the College	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM  CREDITS See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department First Language Six first-language elective credits at the 200-level and above 6
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tration (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 CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  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 12  (at least six credits must be at the 400-level)  Within the College  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: Spanish, 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	DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: THREE LANGUAGES  CURRICULUM CREDITS  See page 56 for University and College requirements.  MAJOR REQUIREMENTS  Within the Department  First Language Six first-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  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 9 (at least three credits at each level) Three additional credits at the 400-level 9  (at least three credits at each level) Three additional credits of third-language courses (at least three 9-11 credits at or above the 200-level for Western language)  Related Work Six credits from 200-, 300-, or 400-level courses 6 (including courses in translation) in Foreign Languages and Literatures, Comparative Literature, or Linguistics, selected in consultation with the
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DEGREE: BACHELOR OF ARTS MAJOR: FOREIGN LANGUAGES AND LITERATURES CONCENTRATION: FOUR LANGUAGES
CURRICULUM CREDITS
See page 56 for University and College requirements.
MAJOR REQUIREMENTS
Within the Department
First Language Six first-language elective credits at the 200-level and above 6 Nine credits in literature at the 300 or 400-level 9 (at least three credits at each level) Three additional credits at the 400-level 3
Six to eight credits of second-language courses (two courses) 6-8 Six credits at the 200-level and above 6
Third Language
Nine to eleven credits of third-language courses (at least three
Fourth Language
Six to eight credits of fourth-language courses
Related Work
Six credits from 200-, 300-, or 400-level 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 124

# BA DEGREES WITH HONORS IN FOREIGN LANGUAGES AND LITERATURES OR IN FOREIGN LANGUAGE EDUCATION

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, Four Languages
- 2. Classics Education
- 3. French Education
- 4. German Education
- 5. Italian Education
- 6 Latin Education
- 7. Russian Education
- 8. Spanish Education

#### Honors Degree Requirements

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

- A. All requirements for the B.A. in Foreign Languages and Literatures or for the B.A. in Foreign Language Education.
- B. All the University's generic requirements for the Honors Degree

Note: At least six of the Honors credits in the major must be at the 300-level or above.

The Honors Thesis 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.

#### 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 (Paris), Germany (Bayreuth), and Spain (Granada), and a spring semester program in Italy (Siena). Beginning and intermediate-level students may participate in winter 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.

DEGREE: BACHELOR OF ARTS MAJOR: HISTORY/CLASSICS, FRENCH, GERMAN, RUSSIAN, OR SPANISH
CURRICULUM CREDITS
See page 56 for University and College requirements.
MAJOR REQUIREMENTS
Within the Department of History
HIST 101 Western Civilization to 1648 3
HIST 102 Western Civilization: 1648 to the Present
countries that use the chosen foreign language
History seminar at the 400-level or above 3 (excluding HIST 491 and 493 and Independent Study)
Within the Department of Foreign Languages and Literatures
Classics
Civilization: Two classical civilization (or culture) courses: e.g., FLLT 202 (Biblical and Classical Literature) and FLLT 316 (Mythology)
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
Civilization: FREN 325 (French Civilization I), or FREN 326
(French Civilization II) or FREN 327 (French Civilization III) 3
Literature: FREN 301 (Introduction to French Literature: Prose) and FREN 302 (Introduction to French Literature: Poetry and Theatre)
400-level literature course
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) 6
400-level literature course
Russian
Civilization: RUSS 325 (Russian Civilization) 3
Literature: RUSS 310 (Introduction to Russian Literature I)
and RUSS 312 (Introduction to Russian Literature II)
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)
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
400-level literature course
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: FRENCH, GERMAN, OR SPANISH/POLITICAL SCIENCE

**CREDITS** 

See page 56 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

Within the	Department of Political Science and International Relations	s
POSC 105	The American Political System (or other required intro courses)	3
POSC 240	Introduction to International Relations	
POSC 270 POSC 310	Comparative Politics European Governments	
POSC 441	Problems of Western European Politics by Country	
or POSC 442	Problems of Western European Politics	3
least 2 at the	courses at the 300 or 400-level with at 2400-level and at least 2 in the area of Relations	9
Within the	Department of Faraign Languages and Literatures	

#### Within the Department of Foreign Languages and Literatures

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)

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

GRMN 4xx (literature) (Newark campus only)	
Spanish	
SPAN 2xx, 3xx, 4xx (prior to semester abroad)	. 6
SPAN 3xx, 4xx	12
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 ...... 124

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

#### 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 at the Department offices

#### FOREIGN LANGUAGE CERTIFICATES FOR INTERNATIONAL **RELATIONS AND POLITICAL SCIENCE STUDENTS**

The (Honors) Foreign Language Certificate Program is intended to enhance the international dimension of the Bachelor's degree in Political Science or International Relations. To earn a Bachelor's degree in Political Science or International Relations with a Foreign Language Certificate or an Honors Foreign Language Certificate in German, French, 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 Winter Session in Germany, France, Spain, or Costa Rica, and two courses taken on the Delaware campus. The Winter Session courses must be taken first, followed by the courses offered on the Delaware campus

campus.		
GRMN 206	sion in Bayreuth, Germany.  Culture through Conversation Contemporary Germany I	
Delaware C GRMN 255 GRMN 325	German Politics in the Press	
French C Winter Sess FREN 206 FREN 208	ourses sion in Caen, France: Culture through Conversation Contemporary France I	CREDITS 3
Delaware C FREN 255 FREN 325 or	Campus French Politics in the Press French Civilization I	
FREN 326 or FREN 453	French Civilization II  French Civilization III	
	Courses (Spain) ion in Granada, Spain: Culture through Conversation Contemporary Spain I	
Delaware C SPAN 255 SPAN 325	ampus Spanish Politics in the Press Spanish Civilization and Culture	
	Courses (Costa Rica) ion in San José, Costa Rica: Culture through Conversation Contemporary Latin America I	
Delaware C SPAN 254 SPAN 326	ampus Latin American Politics in the Press Latin American Civilization and Culture	<b>3</b>

Foreign Language Certificate: To earn a Bachelor's degree in Political Science or International Relations with a Foreign Language Certificate in German, French, or Spanish, a student is required to complete the designated sequence of four 200 and 300-level German. French, or Spanish courses (listed above) with no grade below a C

Honors Foreign Language Certificate: To earn a Bachelor's degree in Political Science or International Relations with an Honors Foreign Language Certificate, the student must:

- Complete the designated sequence of four courses at the 200 and 300-levels in German, Spanish, or French listed above with no grade below a B-
- Take all four of these courses for Honors credit.
- Achieve a 3.0 cumulative grade index by the time of graduation.

Students who have successfully completed the above requirements will be awarded an Honors Foreign Language Certificate that will be presented during an appropriate Honors ceremony and recorded on the recipient's official transcript.

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.

## FOREIGN LANGUAGE CERTIFICATES FOR ACCOUNTING, BUSINESS ADMINISTRATION AND ECONOMICS STUDENTS

The (Honors) Foreign Language Certificate Program is intended to enhance the international dimension of the Bachelor's degree in Accounting, Business Administration, or Economics. To earn a Bachelor's degree in Accounting, Business Administration, or Economics with a Foreign Language Certificate or an Honors Foreign Language Certificate in German, French, 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 Winter Session in Germany, France, Spain, or Costa Rica, and two courses taken on the Delaware campus. The Winter Session courses must be taken first, followed by the courses offered on the Delaware campus.

German (	Courses on in Bayreuth, Germany	CREDITS
GRMN 206 GRMN 208		., 3
Delaware Co	impus	
GRMN 250 GRMN 325	Introduction to Business German German Civilization and Culture	
French Co		
	on in Caen, France:	CREDITS
FREN 206 FREN 208	Culture through Conversation Contemporary France	
Delaware Ca	impus	
FREN 325	Introduction to Business French French Civilization	<b>3</b>
FREN 326	French Civilization II	<b> 3</b>
FREN 453	French Civilization III	3
Spanish C	ourses (Spain)	
Winter Session	on in Granada, Spain:	CREDITS
SPAN 206 SPAN 208	Culture through Conversation Contemporary Spain I	
Delaware Ca	mpus	
SPAN 250 SPAN 325	Introduction to Business Spanish Spanish Civilization and Culture	
Spanish C	ourses (Latin America)	
Winter Session	n in San José, Costa Rica:	CREDITS
SPAN 206 SPAN 207	Culture through Conversation Contemporary Latin America	
Delaware Campus		
SPAN 250 SPAN 326	Introduction to Business Spanish Latin American Civilization and Culture	

Foreign Language Certificate: To earn a Bachelor's degree in Accounting, Business Administration, or Economics with a Foreign Language Certificate in German, French, or Spanish, a student is required to complete the designated sequence of four 200 and 300-level German, French, or Spanish courses (listed above) with no grade below a C.

Honors Foreign Language Certificate: To earn a Bachelor's degree in Accounting, Business Administration, or Economics with an Honors Foreign Language Certificate, the student must:

- Complete the designated sequence of four courses at the 200 and 300-levels in German, Spanish, or French listed above with no grade below a B-
- Take all four of these courses for Honors credit.
- Achieve a 3.0 cumulative grade index by the time of graduation

Students who have successfully completed the above requirements will be awarded an Honors Foreign Language Certificate that will be presented during an appropriate Honors ceremony and recorded on the recipient's official transcript.

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.

### FOREIGN LANGUAGE CERTIFICATES FOR ENGINEERING STUDENTS

The Foreign Language Certificate Program is intended to enhance the Bachelor's degree in Engineering by adding the increasingly crucial international dimension. To earn a Bachelor's degree in Engineering with a Foreign Language Certificate or an Honors Foreign Language Certificate in German, the student is required to complete the four courses listed below, the first two of which must be taken during Winter Session in Germany, followed by two courses on the Delaware campus.

Winter Session	n in Bayreuth, Germany:	CREDITS
GRMN 206	Culture through Conversation	 3
GRMN 208	Contemporary Germany I	 : 3
Delaware Ca	mpus	
<b>GRMN 240</b>	German Culture and Technology	 3 .
	German Civilization and Culture	

Foreign Language Certificate: To earn a Bachelor's degree in Engineering with a Foreign Language Certificate in German, the student is required to complete the designated sequence of courses listed above with no grade below a C

Honors Foreign Language Certificate: To earn a Bachelor's degree in Engineering with an Honors Foreign Language Certificate, the student must:

- Complete the designated sequence of courses listed above with no grade below a B-.
- Take all four of these courses for Honors credit.
- Achieve a 3.0 cumulative grade index by the time of graduation.

Honors Foreign Language Certificates will be awarded at an appropriate Honors ceremony and recorded on the recipient's official transcript. 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.

#### 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- and four-languages majors, 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 French, German, Russian or Spanish 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

#### **MINORS**

**F**oreign Language Minors: A minor in a foreign language requires a minimum of 18-21 credits (at the 200 level or above), as follows:

FRENCH: 18 credits above the 100-level including FREN 201 or 202, 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 composed of 15 credits of Japanese at the 200 level or above 6 of which must be at the 300-level and above; and one of the following: JAPN 208 (Contemporary Japan I), FLLT 328 (Topics: Japanese Literature in Translation), or FLLT 380 (Topics: Japanese Culture in Translation)

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).

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.

An advisor on minors for each language will help students tailor the chosen minor program to their needs.

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 2xx, 3xx, 4xx	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-level or above

Note: A student cannot receive both a French Minor and a French Studies Minor.

#### **GERMAN STUDIES MINOR**

GRMN 2xx, 3xx, 4xx	The state of the s	6
GRMN 306 or 406	to a contract of the contract	3
Three of: ARTH 339, GRMN	1 355, GRMN 455, HIST 339, POSC 441	9
		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, 3xx, 4xx	6
SPAN 306 or 406	. 3
SPAN 308	. 3
Three of: ARTH 339, SPAN 355, SPAN 455, HIST 339, POSC 441	
	21

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

#### **GEOGRAPHY**

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, 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.

### DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY

CURRICULUM CREDITS

See page 56 for University and College requirements.

MAJOR REQUIREMENTS

Within the Department

Six credits selected from the following natural geography courses:

 GEOG 101
 Physical Geography
 3

 GEOG 152
 Climate and Life
 4

 GEOG 206
 Physical Geography: Topography-Soils
 3

 GEOG 220
 Meteorology
 3

GEOG 230 GEOG 235 GEOG 255	Humans and the Earth Ecosystem  Conservation of Natural Resources  Applied Climatology	3
GEOG 102 GEOG 120 GEOG 203	ected from the following human geography courses: Human Geography World Regional Geography Cultural Geography Economic Geography Historical Geography of the United States Conservation: Global Issues	3
GEOG 250 GEOG 270 GEOG 272	Relected from the following methods courses:  Computer Methods in Geography  Map Communication and Design  Map and Air Photo Interpretation	3
	elected from geography courses	
Six elective cre at the 200,	edits selected from geography courses	>
taken to meet t	S  courses are completed sufficient elective credits must be the minimum credit requirement for the degree  TOTAL A MINIMUM OF	ļ
	ACHELOR OF ARTS EOGRAPHY EDUCATION	
	CREDIT  for University and College requirements.  OUIREMENTS	S
Within the D	~	
GEOG 101 GEOG 152 GEOG 206 GEOG 220 GEOG 230 GEOG 235	ceted from the following natural geography courses:  Physical Geography 3  Climate and Life 4  Physical Geography: Topography-Soils 3  Meteorology 3  Humans and the Earth Ecosystem 3  Conservation of Natural Resources 3  Applied Climatology 3	1
Six credits sele GEOG 102 GEOG 120 GEOG 203 GEOG 210 GEOG 225	cited from the following human geography courses: Human Geography 3 World Regional Geography 3 Cultural Geography 3 Economic Geography 3 Historical Geography of the United States 3 Conservation: Global Issues 3	3
GEOG 250 GEOG 270 GEOG 272	elected from the following methods courses:  Computer Methods in Geography 4  Map Communication and Design 3  Map and Air Photo Interpretation 3	
at the 300 c	or 400-level (GEOG 445 strongly recommended)	
	cted from geography courses 6 300, or 400-level	
ECON 152 I POSC 105 T HIST 104 N HIST 206 U Additional cred	ollege       Introduction to Microeconomics     3       Introduction to Macroeconomics     3       The American Political System     3       World History 1648 to Present     3       Junited States History since 1865     3       dits to total 27 with nine credits in each discipline     12       Political Science, and History)	
EDST 304 EDST 305 EDST 491 FHIST 493 SEDST 420 EDDV 400 S	Studies Education in a Multicultural Society	

g.p.a. of 30 in their major and an overall g.p.a. of 2.75. Students should

consult the teacher education program coordinator (see list on p. 127) to obtain the student teaching application and other information concerning student teaching policies.

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

#### INTERDEPARTMENTAL AND DOUBLE MAJORS

An 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.

#### 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.

#### **BACHELOR OF 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. Curriculum and requirements associated with the Environmental Science B.S. program appear below.

DEGREE: BACHELOR OF SCIENCE MAJOR: ENVIRONMENTAL SCIENCE	
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 20)	3 3
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 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 59)	9 or
Foreign Language:	0-12
Completion of the intermediate-level course (107 or 112 or 214) in a given language. Students with four or more years of high school work in single foreign language may attempt to fulfill the requirement in that language by taking an exemption examination.	a
Breadth Requirements (See page 60) Nine credits are required in each of the following groups:	

Understandin	ng and appreciation of the creative arts and humanities At as must be represented	9
The study of represented	culture and institutions over time At least two areas must be	
Empirically b	ased study of human beings and their environment. At least ust be represented	9
MAJOR RI	EQUIREMENTS	
Within the	Cooperating Departments	
GEOL 107 BISC 207, BI GEOG 220 GEOG 250 BISC 302 BISC 312 GEOG 412 GEOL 414	General Geology SC 208 Introductory Biology I and II	8 3 4 3 1 4 3
Two additions concentration	al courses from within one of the following three areas of :	
Atmospher	ic Environment	
GEOG 343 GEOG 420 GEOG 451 GEOG 453 GEOG 455	Climatic Geomorphology Atmospheric Physics Microclimatology Synoptic Climatology Water Budget in Environmental Analysis	3 3
	Environment	
BISC 306 BISC 494 BISC 495 BISC 637 BISC 641	General Physiology Experimental Ecology Evolution Population Ecology Microbial Ecology	333
GEOL 203 GEOL 303 GEOL 304 GEOL 305	Mineralogy and Crystallography Sedimentology Stratigraphy Structural Geology	3
listed under th must be outsid	nal courses taken from the following list or from the courses three areas of concentration above. At least one course le the chosen area of concentration. For students following	
the Geology to BISC 301	rack, two courses must be 400-level geology courses  Molecular Biology of the Cell	4
BISC 321	Environmental Biology	3
BISC 324 BISC 371	Invertebrate Zoology Introduction to Microbiology	3
BISC 608	Genetic Toxicology	2
BISC 660	Environmental Physiology	3
CHEM 213 CIEG 331	Elementary Organic Chemistry Introduction to Environmental Engineering	3
GEOG 152	Climate and Life	4
GEOG 206 GEOG 230	Topography and Soils Humans and the Earth Ecosystem	3
GEOG 235	Conservation of Natural Resources	
GEOG 236 GEOG 255	Conservation: Global Issues	
GEOG 272	Applied Climatology Map and Air Photo Interpretation	3
GEOG 320	Water and Society	3
GEOG 330 GEOG 342	Biogeography Bioclimatology	
GEOG 351	Urban Climatology	
GEOG 357	Paleoclimatology	3
GEOG 372 GEOG 423	Geographic Information Systems Atmospheric Dynamics	3
GEOG 430	Conservation Forest Ecosystems	3
GEOG 681 GEOL 204	Remote Sensing of Environment Properties of Rocks and Minerals	3
GEOL 402	Properties of Rocks and Minerals History of the Earth	3
GEOL 403 GEOL 407	Regional Geology of North America	3
GEOL 407	Igneous and Metamorphic Petrology  Quantitative Geomorphology	
GEOL 412	Geological Approaches to Archaeology and History	3
GEOL 421 GEOL 428	Environmental and Applied Geology	3
GEOL 431	Marine Geology	3
GEOL 432	Recent Sedimentary Environments	3

GEOL 434 GEOL 446 GEOL 460	The Geology of Coasts General Geochemistry Field Geology in the Western States 3-6
MAST 200 PHYS 208 PLSC 204 POSC 350	Concepts in Oceanography Fundamentals of Physics II Introduction to Soil Science Politics and the Environment
Within the	
	MATH 242, MATH 243 Analytic Geometry and Calculus
One of the fo MATH 302 MATH 349 STAT 450 STAT 656 STAT 657	llowing five courses:  Ordinary Differential Equations Elementary Linear Algebra Statistics for Engineering & Physical Sciences Biostatistics Statistics for Earth Sciences
	CHEM 104 General Chemistry
PHYS 207	Fundamentals of Physics I
PHYS 201	Introductory Physics I
ELECTIVE After required taken to meet	S I courses are completed, sufficient elective credits must be the minimum credit requirement for the degree
CREDITS T	O TOTAL A MINIMUM OF 127

#### **GEOLOGY**

GEOL 402

GEOL 407 GEOL 452 History of the Earth

Igneous and Metamorphic Petrology Plate Tectonics and Geophysics

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.

#### **DEGREE: BACHELOR OF ARTS MAJOR: GEOLOGY CREDITS** Superior figures indicate year or years in which the course is normally taken, i e , <sup>1</sup> freshman year, <sup>2</sup>sophomore year, etc. See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department General Geology I GEOL 107 Mineralogy and Crystallography GEOL 203 GEOL 204 Properties of Rocks and Minerals Systematic and Evolutionary Paleontology GEOL 301 **GEOL 303** Sedimentology GEOL 304 Stratigraphy Structural Geology **GEOL 305**

Three credits GEOL 432	of field geology (taught only in the summer): Recent Sedimentary Environment	3 3,4	Foreign La	inguage:	0-12 1-4
GEOL 460	Field Geology in the Western States	3-6 3,4	given langua	of the intermediate-level course (107 or 112 or 214) in age. Students with four or more years of high school w	ork in a
Within the		•	single foreig	n language may attempt to fulfill the requirement in the	ıt lan-
Chemistry co	ourses (CHEM 103-104) ses (PHYS 201-202)	8 <sup>2</sup>		king an exemption examination equirements (See page 60)	
Mathematics	courses through college-level trigonometry	3-4	A total of eig	ghteen credits from Groups A, B and C is	18 1-4
ELECTIV			required with	h six credits in each group. The six credits trom each g	tonb
After require	d courses are completed, sufficient elective credits must be		Could be from	m the same area:	
taken to mee	t the minimum credit requirement for the degree			ng and appreciation of the creative arts and humanitie	/\$.
CREDITS 1	TO TOTAL A MINIMUM OF	. 124	Group B		
			.*	culture and institutions over time	
DEGREE:	BACHELOR OF ARTS		Group C	pased study of human beings and their environment.	
	GEOLOGY				
CONCENT	RATION: PALEOBIOLOGY			EQUIREMENTS	
CURRICULU/		CREDITS	GEOL 107	Department General Geology I	<b>4</b> 1
Superior figure	res indicate year or years in which the course is normally freshman year, <sup>2</sup> sophomore year, etc.		GEOL 203	Minoralogy and Crystallography	3.2
	56 for University and College requirements.		GEOL 204	Properties of Rocks and Minerals Systematic and Evolutionary Paleontology	42
	EQUIREMENTS		GEOL 301 GEOL 303	Sedimentology	3 ~
	Department		GEOL 304	Stratiaranhy	22
GEOL 107	General Geology I	<b>4</b> 1	GEOL 305 GEOL 402	Structural Geology History of the Earth	3 3,4
GEOL 203	Mineralogy and Crystallography	<b>3</b> 2	GEOL 407	language and Motamorphic Potrology	. 34
GEOL 204	Properties of Rocks and Minerals	4 4	GEOL 452	Plate Tectonics and Geophysics	3 3,4
GEOL 301 GEOL 303	Systematic and Evolutionary Paleontology Sedimentology	. ૧૭		om the following:	- 13.4
GEOL 304	Stratiaraphy	3 -	GEOL 460 or	Field Geology in the Western States	
GEOL 403	Structural Geology History of the Earth	3.**	GEOL 432		3 <sup>3,4</sup>
GEOL 402 GEOL 466	Independent Study	34	Geology cou	rses (400-level)	93,4
	of field geology (taught only in the summer)		Within the		
GEOL 432	Recent Sedimentary Environment	3 3,4	Related W	ork	1.4
GEOL 460	Field Geology in the Western States	3-6 3,4	MATH 241	Analytic Geometry and Calculus A	41
Within the		. 1	CHEM 103 CHEM 104	General Chemistry General Chemistry	
BISC 207 BISC 208	Introductory Biology I Introductory Biology II	4 ¦	PHYS 201	Introductory Physics I	43
BISC 302	(zeneral Ecology	34 0	Two of the fo	llouing:	
BISC 324	Invertebrate Zoology	4 4	MATH 242	Analytic Geometry and Calculus B Introductory Physics II	43
BISC 442 BISC 495	Vertebrate Morphology (recommended) Evolution	34	PHYS 202 STAT 205	Statistical Methods	42-4
STAT 201	Introduction to Statistics I	3 4	Two of the fo	llouring:	
STAT 202	Introduction to Statistics II	3 *	BISC 207	Introductory Biology I	42-4
CHEM 103 CHEM 104	General Chemistry General Chemistry	42	BISC 208	Introductory Biology II	24
MATH 115	Pre-calculus	3 1	Elective supp	orting science course lent chair for a list of approved courses)	3-42**
ELECTIVE				· · · · · · · · · · · · · · · · · · ·	
After required	d courses are completed, sufficient elective credits must be		After require	പ d courses are completed, sufficient elective credits mus	t be
	the minimum credit requirements for the degree			t the minimum credit requirement for the degree	,
CREDITS T	O TOTAL A MINIMUM OF	124	CREDITS T	O TOTAL A MINIMUM OF	125
DEGREE: E	SACHELOR OF SCIENCE		DECHIDEA	MENTS OF THE MINOR IN GEOLOGY	
MAJOR: 0	EOLOGY		_		The require
CURRICULUA	· ·	CREDITS		consists of at least 18 credit hours in geology GEOL 107; GEOL 203; at least two of the follows:	
	res indicate year or years in which the course is normally			03, 304, 305; any 400-level geology course or	. •
	reshman year, <sup>2</sup> sophomore year, etc			obtain the remaining credits to reach a total of 1	
	TY REQUIREMENTS	- 1			
	Critical Reading and Writing (minimum grade C-)	3 1-4		BACHELOR OF ARTS ARTH SCIENCE EDUCATION	
	REQUIREMENTS		CURRICULUA		CREDITS
Skill Requi				n res indicate year or years in which the course is normo	
-	nimum grade C-1	3 3,4		reshman year, <sup>2</sup> sophomore year, etc.	,
	ting course involving significant writing experience including		See page 5	6 for University and College requirements.	
two papers w	ith a combined minimum of 3,000 words to be submitted for			EQUIREMENTS	
	olty critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing		Within the l	_	
	ormally designated in the semester's Registration Booklet.		GEOL 105	General Geology	41
	urses approved for second writing requirement, page 59.)		or GEOL 107	General Geology	
			OLOL 107	Concidi Coology	

GEOL 106 GEOG 101 GEOL 203 GEOG 220 GEOG 235 GEOL 303 GEOG 343 or	General Geology Physical Geography Mineralogy and Crystallography Meteorology Conservation of Natural Resources Sedimentology Climatic Geomorphology	4 1 3 2 3 1 3 1 3 3 3 1 3 1
GEOG 255	Applied Climatology	. 3
PHYS 133 PHYS 201 PHYS 202 CHEM 103 BISC 195 MATH 221	Introduction to Astronomy Introductory Physics I Introductory Physics II General Chemistry Biological Evolution Calculus I.	41,
Three credits ( GEOL 432 GEOL 460	from the following: Recent Sedimentary Environments	•
External to 1 MAST 200	the College Introduction to Marine Studies	. 3 <sup>1</sup> -
Professional		
EDST 201 EDST 304 EDST 305 SCEN 491 EDST 420 EDDV 400	Education in a Multicultural Society Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects Educationg Secondary Schools Reading in the Content Area Student Teaching	31-
agpa.of2. g.p.a.of25. dinator(see li	to student teach, Earth Science Education students must have 75 in their geology and geography courses and an overall Students should consult the teacher education program coorst on p. 127) to obtain the student teaching application and ion concerning student teaching policies.	
CREDITS TO	O TOTAL A MINIMUM OF	124

#### **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 SCIENCE

Group C

ITS
3 1 3 1-4
3,4
1-4

Empirically based study of human beings and their environment

#### MAJOR REQUIREMENTS

Within the	Department
GEOL 107 GEOL 203 GEOL 204 GEOL 303 GEOL 305 GEOL 402 GEOL 451 GEOL 452 GEOL 453 GEOL 454 GEOL 460	General Geology I         4 1           Mineralogy and Crystallography         32           Properties of Rocks and Minerals         42           Sedimentology         3 3           Structural Geology         3 3           History of the Earth         3 4           Geophysical Field Methods         3 3,4           Plate Tectonics and Geophysics         3 3           Elementary Geophysics I         3 4           Elementary Geophysics II         3 4           Field Geology in the Western States         3 3,4
One of the for GEOL 301 GEOL 304 GEOL 407	Illowing three courses:  Systematic and Evolutionary Paleontology
Within the	College
PHYS 207 PHYS 208 PHYS 209 PHYS 645 PHYS 646	Fundamentals of Physics I 4 1 Fundamentals of Physics II 4 2 Fundamentals of Physics III 3 2 Fundamentals of Physics III 3 3,4 Electronics for Scientists 3,4 Instrumentation for Scientists 3,3,4
PHYS 313	Illowing four courses: Physical Optics Electricity and Magnetism 3 3,4 is selected, PHYS 604 is strongly encouraged as an elective course.)
PHYS 616 PHYS 631	Kinetic Theory and Thermodynamics 3 Acoustics 3
Related Wo	
CISC 106 MATH 241 MATH 242 MATH 243 MATH 302 CHEM 103	General Computer Science for Engineers 3 1,2  Analytic Geometry and Calculus A 4 1  Analytic Geometry and Calculus B 4 1  Analytic Geometry and Calculus C 42  Ordinary Differential Equations I 32  General Chemistry 42
External to MEEG 213	the College Principles of Mechanics I
	O TOTAL A MINIMUM OF 125

#### **HISTORY**

The History Department offers several options to its 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 Education, it offers a History Education program for those choosing a career 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 major. 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. An Honors Degree as well as a Degree with Distinction are also possible options. An advisor in the History Department can provide details.

# DEGREE: BACHELOR OF ARTS MAJOR: HISTORY

	CURRICULU	M	<b>CREDITS</b>
	See page	56 for University and College requirements.	
	MAJOR R	EQUIREMENTS	
	Within the	Department	
	HIST 101	Western Civilization to 1648	3
	HIST 102	Western Civilization: 1648 to the Present	3
5	HIST 268	Seminar	
	History cour	se on the history of Asia, Africa, Latin America,	
	or the A	ncient World	3

History courses at or above the 300-level 12 History seminar at the 400-level or above 3	History seminar at the 400-level or above
(excluding HIST 491 and 493 and Independent Study)	ELECTIVES
History course 3	After required courses are completed, sufficient elective credits must be
ELECTIVES	taken to meet the minimum credit requirement for the degree
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
CREDITS TO TOTAL A MINIMUM OF 124	DEGREE: BACHELOR OF ARTS
DEGREE: BACHELOR OF ARTS	MAJOR: HISTORY
MAJOR: HISTORY	CONCENTRATION: POLICY HISTORY  CURRICULUM CREDITS
CONCENTRATION: AMERICAN HISTORY	CURRICULUM CREDITS  See page 56 for University and College requirements.
CURRICULUM CREDITS	MAJOR REQUIREMENTS
See page 56 for University and College requirements.	그는 사람들은 사람들이 가득하는 것이 되었다. 그는 사람들이 가득하는 것이 되었다.
MAJOR REQUIREMENTS	Within the Department HIST 101 Western Civilization to 1648
Within the Department	HIST 102 Western Civilization: 1648 to the Present 3
HIST 101 Western Civilization to 1648	HIST 268 Seminar
HIST 102 Western Civilization: 1648 to the Present	History course on the history of Asia, Africa, Latin America, or the Ancient World 3
HIST 268 Seminar 3 History course on the history of Asia, Africa, Latin America,	C if fell fell village in the control of the contro
or the Ancient World	approval of the advisor, a student may take two of
Seven courses in the field of emphasis. With written	incoc coordes obtaine the Department of Financia
approval of the advisor, a student may take two of these courses outside the Department of History	History seminar at the 400-level or above
History seminar at the 400-level or above 3	ELECTIVES
(excluding HIST 491 and 493 and Independent Study)	After required courses are completed, sufficient elective credits must be
ELECTIVES	taken to meet the minimum credit requirement for the degree
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
CREDITS TO TOTAL A MINIMUM OF 124	Proper Project On Or Apre
	DEGREE: BACHELOR OF ARTS MAJOR: HISTORY
DEGREE: BACHELOR OF ARTS	CONCENTRATION: JOURNALISM
MAJOR: HISTORY	CURRICULUM CREDITS
CONCENTRATION: EUROPEAN HISTORY	See page 56 for University and College requirements.
CURRICULUM CREDITS	MAJOR REQUIREMENTS
See page 56 for University and College requirements.	Within the Department
MAJOR REQUIREMENTS	HIST 101 Western Civilization to 1648
Within the Department	HIST 102 Western Civilization: 1648 to the Present 3
HIST 101 Western Civilization to 1648	HIST 268 Seminar 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
History course on the history of Asia, Africa, Latin America,	History courses at or above the 300-level
or the Ancient World	History seminar at the 400-level or above
Seven courses in the field of emphasis. With written approval of the advisor, a student may take two of	(excluding HIST 491 and 493 and Independent Study) History course 3
these courses outside the Department of History 21	
History seminar at the 400-level or above	Within the College ENGL 307 New Writing and Editing
(excluding HIST 491 and 493 and Independent Study)	Nine credits chosen from the following courses:
ELECTIVES	ENGL 308 Reporter's Practicum 3
After required courses are completed, sufficient elective credits must be	ENGL 309 Feature and Magazine Writing
aken to meet the minimum credit requirement for the degree	ENGL 310 Copy Editing and Layout 3
CREDITS TO TOTAL A MINIMUM OF 124	ENGL 407 Advanced Reporting 1-3 ENGL 409 Topics in Journalism 3
	ENGL 466 Independent Study
DEGREE: BACHELOR OF ARTS	ELECTIVES
MAJOR: HISTORY CONCENTRATION: GLOBAL HISTORY	After required courses are completed, sufficient elective credits must be
	taken to meet the minimum credit requirement for the degree
,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的,我们就是一个大大的	CREDITS TO TOTAL A MINIMUM OF 124
See page 56 for University and College requirements.	
MAJOR REQUIREMENTS	DEGREE: BACHELOR OF ARTS
Within the Department  HST 101 Western Civilization to 1648	MAJOR: HISTORY EDUCATION
HST 101 Western Civilization to 1648	CURRICULUM CREDITS
HST 268 Seminar 3	See page 56 for University and College requirements.
History course on the history of Asia, Africa, Latin America,	MAJOR REQUIREMENTS
or the Ancient World	
approval of the advisor, a student may take two of these	Within the Department HIST 101 Western Civilization to 1648
courses outside the Department of History	HIST 102 Western Civilization: 1648 to the Present 3

HIST 103 HIST 104 HIST 268	World History to 1648 World History to Present Seminar n its emphasis, this seminar course can count as three of	
the required of The total num	redits in European, American, or Third World history ber of credits required in the major is 36	
History course Ancient G	es on the history of Europe including reece and Rome	16
History course Course work the 400 level	es on the history of the United States es on the history of Asia, Africa, or Latin America must include a three credit History seminar at or above (excluding HIST 491, 493, and independent study) and onal credits at or above the 300 level	
Within the C		
POSC 105 GEOG 120 Additional cre	Introduction to Microeconomics Introduction to Macroeconomics The American Political System World Regional Geography edits to total 27 with nine credits in each discipline	3
•	s, Political Science, and Geography)	
Professional		2
EDST 201 EDST 304	Education in a Multicultural Society Educational Psychology – Social Aspects	
EDST 305 HIST 491	Educational Psychology – Cognitive Aspects Planning a Course of Instruction (minimum grade C-)	
HIST 493	Seminar: Problems in Teaching History and Social Sciences	
EDST 420	(Spring semester only) Reading in the Content Areas	3 1
EDDV 400	Student Teaching	
CREDITS TO	O TOTAL A MINIMUM OF	124
	to student teach, History Education students must have a	
	in their major and an overall g.p.a. of 2.75. Students the teacher education program coordinator (see list on p.	
127) to obtain	the student teaching application and other information	
concerning st	dent teaching policies	
MAJOR: H	ACHELOR OF ARTS ISTORY/CLASSICS, FRENCH, ERMAN, RUSSIAN, SPANISH	CREDITS
	6 for University and College requirements.	
	QUIREMENTS	
Within the E	Western Civilization to 1648	
HIST 102 Five 300 level	Western Civilization: 1648 to the Present courses, at least two of which must deal with at use the chosen foreign language	3
History semina	at at the 400-level or above HIST 491 and 493 and Independent Study)	3
	epartment of Foreign Languages and Literatures	
Classics	vo classical civilization (or culture) courses:	
e.g., FLLT 2 and FLLT 31	02 (Biblical and Classical Literature) 6 (Mythology)	., 6
	er 9 credits of Latin at the 200-level or above its of Latin at the 300-level or above, or	
CDEK 213	and GREK 214 and 6 credits of Latin evel or above	10
French	evel or dbove	IZ
Civilization: FI	REN 325 (French Civilization I), or FREN 326	3
Literature: FRE Literature: P		
400-level litero	N 301 (Introduction to French rose) and FREN 302 (Introduction	, ,
German	N 301 (Introduction to French	3
	N 301 (Introduction to French rose) and FREN 302 (Introduction terature: Poetry and Theatre) titure course the 200, 300, or 400 level	6
	N 301 (Introduction to French rose) and FREN 302 (Introduction terature: Poetry and Theatre) titure course the 200, 300, or 400-level  RMN 325 (German Civilization and Culture)	6
Literature: GRA and GRMN	N 301 (Introduction to French rose) and FREN 302 (Introduction terature: Poetry and Theatre) titure course the 200, 300, or 400 level	

Russian	
Civilization: RUSS 325 (Russian Civilization)	3
Literature: RUSS 310 (Introduction to Russian Literature I)	
and RUSS 312 (Introduction to Russian Literature II)	
400-level literature course	3
Two courses at the 200, 3CO, 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)	6
or	
SPAN 303 (Survey of Spanish-American Literature) and	,
SPAN 304 (Survey of Spanish-American Literature)	0
400-level literature course	ى د
Two courses of the 200, 500, or 400-level 2	0
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	4

#### 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**

Jewish Studies developed alongside and within Western and non-Western civilization, in every place where Jewish people and Jewish culture have existed. The minor involves the study of the texts, histories, and culture of the Jewish people. 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.

#### **REQUIREMENTS FOR THE MINOR IN JEWISH STUDIES**

**T**he 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:

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. For further information, contact Professor Sara R. Horowitz, Program Director, (302) 831-6731.

# **JOURNALISM**

The 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 in this catalog.

# **LATIN AMERICAN STUDIES**

The 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.

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. For information, contact Professor Juan Villamarin, 113 Ewing Hall (302) 831-1851

#### **DEGREE: BACHELOR OF ARTS MAJOR: LATIN AMERICAN STUDIES**

**CREDITS** 

See page 56 for University and College requirements. Note: The Foreign Language College requirement must be fulfilled in Spanish. Completion of PORT 107 is also highly recommended.

# MAJOR REQUIREMENTS

Within the College Required courses:

ANTH 265 ANTH 375	High Civilizations in the Americas Peoples and Cultures of Modern Latin America	3 3
or ANTH 380 GEOG 226 HIST 135 POSC 426 SPAN 326 SPAN 303	Peoples and Cultures of Mexico and Central America Geography of Latin America Introduction to Latin American History Latin American Political Systems Latin American Civilization and Culture Survey of Spanish-American Literature I	3 3 3
or SPAN 304 and	Survey of Spanish-American Literature II	
One of the fo ANTH 323 ANTH 327 ANTH 337 ANTH 338 HIST 334 HIST 430 HIST 477	llowing seven courses: Prehistory of South America Peoples of the Caribbean South American Indians Arts and Crafts of Native South America History of Mexico 20th Century Latin American Revolutions Studies in Latin American History	3
One of the for POSC 431 POSC 450	llowing two courses: Latin American Politics: Countries Problems in Latin American Politics	. 3
One of the fo SPAN 415 SPAN 430 SPAN 443	llowing three courses: Latin American Literature in its Political Context Latin American Novel and Cinema Mexican Literature	3

## Suggested Course:

Economics of Developing Countries ... (Prerequisites: ECON 151, ECON 152) ECON 311.

#### **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

333

#### REQUIREMENTS FOR A MINOR IN LATIN AMERICAN STUDIES

**Purpose.** This is an interdisciplinary program designed to provide graduates 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 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. This program, which allows students to minor in Legal Studies, provides students with the opportunity to explore the law from an interdisciplinary perspective within the framework of the liberal arts curriculum.

The 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 will require 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.

In addition to offering a minor in Legal Studies, the program offers faculty seminars, lectures, and films. For information, contact Professor Valerie Hans, 331 Smith Hall (302) 831-8231.

REQUIREA	MENTS FOR A MINOR IN LEGAL STUDIES	
CURRICULUA		CREDITS
POSC 380 LEST 301 LEST 401	Introduction to Law Introduction to Legal Studies Senior Seminar	3 3
these cou dent's mo	s from the following list. At least two of urses must be from outside the requirements of the stu- ajor and outside his or her major department. These two nust be chosen from two different departments.	
Accounting	•	
ACCT 350 ACCT 351 ACCT 352	Business Law Business Law Law and Social Issues in Business	3
Communic		
	Legal Issues of the Mass Media	
Criminal Ju		•
CRJU 202 CRJU 203 CRJU 320	Problems of Criminal Judiciary Problems of Corrections Introduction to Criminal Law	3
CRIU 346	Psychology and the Law (same as PSYC 346)	3
CRJU 347 CRJU 375	The Jury: Guilty or Not Guilty Criminal Procedure	3
CRJU 425	Criminal Law and Social Policy	
CRJU 428 CRJU 450	Corporate Crime (same as SOCI 428)	
CRJU 456	Prisoners and the Law Lawyers and Society (same as SOCI 456)	
Economics		
ECON 306 ECON 360 ECON 408	Economic Theory of Politics (same as POSC 306) Government Regulation of Business Economics of Law	
ECON 461 ECON 463	Industrial Organization and Antitrust Economics of Regulation	3
History		
HIST 309 HIST 376	U.S. Business and Political Economy English Legal and Constitutional History	
Philosophy PHIL 202	Contemporary Moral Problems	. 3
PHIL 308 PHIL 446	Justice and Equality Philosophy of Law	3
	ence and International Relations	
POSC 306 POSC 380 POSC 402	Economic Theory of Politics (same as ECON 306) Introduction to Law Civil Liberties I Judicial Processes	
POSC 404 POSC 405 POSC 406	Judicial Processes  Constitutional Law of the United States  Civil Liberties II	3
POSC 423 POSC 413	Congress and Public Policy Problems in American Government: Gender, Sex and Law	3
Psychology		
PSYC 346 PSYC 347	Psychology and the Law (same as CRJU 346)	3 3
Sociology SOCI 330 SOCI 345 SOCI 428	Population, Law and Society Sociology of Law Corporate Crime (same as CRJU 428)	3
SOCI 456	Lawyers and Society (same as CRJU 456)	3
Women's St WOMS 413	rudies Gender, Sex. and American Law (same as POSC 413)	3

# **LINGUISTICS**

The Department of Linguistics offers two minors at the undergraduate level, including courses in linguistics at the introductory, intermediate, and advanced levels in both applied and theoretical areas. Many Linguistics 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.

#### REQUIREMENTS FOR THE MINOR IN LINGUISTICS

The minor	in linguistics requires 18 credits, distributed as follows:	
LING 101	Introduction to Linguistics	. 3
One of the fo	ollowing:	
LING 407	Phonology I	3
LING 409	Syntax	3
LING 477	Structure of English	3
LING 491	Semantics I have been suppressed to the second seco	. 3
Any four add at the 300	litional LING courses, two of which must be Plevel or above	12

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) narrower 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 the following:

CGSC 270	Introduction to Cognitive Science
LING 101	Introduction to Linguistics
PSYC 201	General Psychology
CISC, 105	General Computer Science
or	
CISC 106	General Computer Science for Engineers
or	
CISC 181	Introduction to Computer Science (prereq: CISC 105 or programming experience)

# B. One of the following:

LING 409	Syntax I (prereq: LING 101)
LING 491	Semantics I (prereq: LING 101)
CGSC 480	Computers and the Mind
CGSC 340	Cognition (prereq: PSYC 309)

the following:
Sensation & Perception (prereq: PSYC 309)
Brain & Behavior
Data Structures (prereq: CISC 181)
Artificial Intelligence (prereq: CISC 220 & 310)
Logic
Language Acquisition
Syntax II (prereq: LING 409)
ot chosen under B

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

For more information, contact: Professor William Frawley, Department of Linguistics (302) 831-6806

email: billf@brahms udel edu

# CONFERENCE INTERPRETATION PROGRAM

# **Intensive Summer Seminar in Simultaneous** and Consecutive Interpretation

Within the Department of Linguistics, the Conference Interpretation Program offers an intensive course in simultaneous and consecutive interpretation during the summer session. The Delaware program is one of only five in existence in the United States.

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

The languages of the intensive summer seminars vary. To date, we have offered two courses for candidates with a Spanish/English combination. However, the 1994 seminar was a "generic" course which was open to participants with any language in combination with English (such as Chinese/English, French/English, and so on). 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 the Department of Linguistics reguarding the language combinations for future seminars.

# 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 this area may pursue an interdepartmental major or 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.

#### MATHEMATICAL SCIENCES

The Department of Mathematical Sciences provides service courses for those who need to use mathematics and statistics in their career, be it engineering, science, medicine, or management. Mathematical sciences majors must also delve deeply into the structure of their subject without neglecting its applications. The balance between these two phases of mathematical education will depend on the goals and the inclination of the student. To meet these various needs, the Department offers four 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.

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.

**DEGREE: BACHELOR OF ARTS** 

MAJOR: N	MATHEMATICAL SCIENCES	
CURRICULUA	<b>A</b>	CREDIT
,	i6 for University and College requirements. EQUIREMENTS	
Within the	Department	
dents lacking	or better is required for major courses and related work. Spreparation for MATH 242 should begin with MATH 241	
level or a	Discrete Mathematics I Analytic Geometry and Calculus B Analytic Geometry and Calculus C An Introduction to Proof Elementary Linear Algebra Ordinary Differential Equations Statistical Methods and Theory of mathematics and/or statistics at the 300 pove. MATH 379, MATH 380, MATH 381, MATH 555, and STAT 555 are not applicable.	
Related Wo	rk	
should take:	previous experience with a programming language	
CISC 181	Introduction to Computer Science	3
and CISC 220	Data Structures	
Students with	no previous experience with a programming language	
should take: CISC 105	General Computer Science	3
and CISC 120	Object Oriented Programming in C++	
and CISC 220	Data Structures	
Any substituti Studies Comr	ons must be approved by the department Undergraduate	
ENGL 312 or	Written Communications in Business	,
Suitable equi	valent	
ELECTIVE	SS .	
taken to meet	d courses are completed, sufficient elective credits must be the minimum credit requirement for the degree, at least 79 ematical Sciences	
CREDITS T	O TOTAL A MINIMUM OF	. 124
DEGREE: B	ACHELOR OF SCIENCE	
	MATHEMATICAL SCIENCES	
CURRICULUM	<b>1</b>	CREDITS
UNIVERSI'	TY REQUIREMENTS	
Three credits	Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing	3 3
COLLEGE	REQUIREMENTS	
Skill Requir	rements	
Writing: (mi	nimum grade C-)	3
ing two pape ted for extend course must b	ting course involving significant writing experience includ- rs with a combined minimum of 3,000 words to be submit ded faculty critique of both composition and content. This he taken after completion of 62 credit hours. Appropriate as are normally designated in the semester's Registration	-

Booklet. (See list of courses approved for second writing requirement,

page 59.)

Foreign Language: Completion of the intermediate-level course (107 or 112) in a given lan-	0-12	courses are normally designated in the semester's Registrati (See list of courses approved for second writing requirement	
guage. 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.		Foreign Language: Completion of the intermediate-level course (107 or 112) ir guage. Students with four or more years of high school wo foreign language may attempt to fulfill the requirement in the	0-12 n a given lan- rk in a single
Breadth Requirements (See page 60) A total of twenty-one credits from Groups A, B and C is	21	taking an exemption examination French, Russian or German is recommended	
required with a minimum of six credits in each group. The six credits from each group could be from the same area.	<b>4</b>	Breadth Requirements (See page 60) A total of twenty-one credits from Groups A, B and C is	
Group A Understanding and appreciation of the creative arts and humanities Group B		required with a minimum of six credits in each group. The s from each group could be from the same area Group A	six credits
The study of culture and institutions over time.  Group C		Understanding and appreciation of the creative arts and hu Group B	umanities
Empirically based study of human beings and their environment		The study of culture and institutions over time.	
MAJOR REQUIREMENTS		Group C Empirically based study of human beings and their environs	ment
A grade of C- or better is required for major courses and related work: Stu- dents lacking adequate preparation for MATH 242 should begin with 241.		MAJOR REQUIREMENTS	
Within the Department		Within the Department	
MATH 210 Discrete Mathematics I	4	A grade of C- or better is required for all major courses and work. Students lacking adequate preparation for MATH 24 begin with MATH 241.	d related 2 should
MATH 243 Analytic Geometry and Calculus C MATH 245 An Introduction to Proof		MATH 210 Discrete Mathematics I	
MATH 302 Ordinary Differential Equations	3	MATH 242 Analytic Geometry and Calculus B	
MATH 349 Elementary Linear Algebra		MATH 243 Analytic Geometry and Calculus C MATH 245 Concepts of Analysis	
MATH 401 Advanced Calculus  MATH 426 Introduction to Numerical Analysis and	3	MATH 349 Elementary Linear Algebra	
Algorithmic Computation		MATH 302 Ordinary Differential Equations	
MATH 451 Abstract Algebra I		MATH 426 Introduction to Numerical Analysis and Algorithmic Computation	
STAT 300 Statistical Methods and Theory		MATH 401 Advanced Calculus	
level or above MATH 379, MATH 380, MATH 381, MATH 555,	10	STAT 205 Statistical Methods	
STAT 450, and STAT 555 are not applicable		STAT 370 Introduction to Statistical Analysis I	
Related Work		STAT 371 Introduction to Statistical Analysis II STAT 418 Sampling Methods	3
Students with previous experience with a programming language		STAT 420 Data Analysis and Nonparametric Statistics	
should take:	2	STAT 611 Regression Analysis	
CISC 181 Introduction to Computer Science	3	STAT 615 Design and Analysis of Experiments	
CISC 220 Data Structures	. 3	Three credits from the following: STAT 616 Design and Analysis of Experiments II	3
Students with no previous experience with a programming language should take:		STAT 617 Multivariate Methods STAT 618 Sampling Techniques	
CISC 105 General Computer Science	3	Within the College	
CISC 120 Object Oriented Programming in C++	2	Related Work	
and	2	Students with previous experience with a programming lang should take:	Juage
CISC 220 Data Structures  Any substitutions must be approved by the department Undergraduate	3	CISC 181 Introduction to Computer Science	
Studies Committee ENGL 312 Written Communications in Business	3	CISC 220 Data Structures	
Two-semester sequence of laboratory science	_	Students with no previous experience with a programming li should take:	anguage
(Courses designed for non-majors in a discipline are not appropriate.)		CISC 105 General Computer Science	
ELECTIVES After required courses are completed, sufficient elective credits must be		and CISC 181 Introduction to Computer Science	
taken to meet the minimum credit requirement for the degree		CISC 220 Data Structures	
CREDITS TO TOTAL A MINIMUM OF 1	28	CISC 105 General Computer Science	
DEGREE: BACHELOR OF SCIENCE		and CISC 120 Object Oriented Programming in C++ and	
MAJOR: STATISTICS	DITC	CISC 220 Data Structures	
	DITS	Note CISC 120 is only offered in the Winter or Summer Ses	ssions
UNIVERSITY REQUIREMENTS	3	ENGL 312 Written Communications in Business	
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. 20)		Two-semester sequence of laboratory science (Courses designed for non-majors in a discipline are not app	propriate)
COLLEGE REQUIREMENTS		Area of application: This program requires a fifteen-credit area of application ou	15
Skill Requirements		department. Students must meet regularly with the advisor to	
Writing: (minimum grade C-)	3	ELECTIVES	
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for		After required courses are completed, sufficient elective crectaken to meet the minimum credit requirement for the degree	lits must be
extended faculty critique of both composition and content. This course must be taken after completion of 62 credit hours. Appropriate writing		CREDITS TO TOTAL A MINIMUM OF	128

	SACHELOR OF ARTS MATHEMATICS EDUCATION	
CURRICULUM		REDIT
ENGL 110 Three credits	TY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing al, ethnic, and/or gender-related content (see p. 20)	
COLLEGE	REQUIREMENTS	
Skill Requir	rements	
A second written papers we extended face must be taken courses are no	nimum grade C-)  ting course involving significant writing experience including  ith a combined minimum of 3,000 words to be submitted for  ulty critique of both composition and content. This course  a after completion of 62 credit hours. Appropriate writing  ormally designated in the semester's Registration Booklet.  urses approved for second writing requirement, page 59.)	3
Completion o guage or, for guage or the in that langua	f the intermediate-level course (107 or 112) in a given lan- students with more than 4 years of high school foreign lan- equivalent, satisfactory performance on a proficiency test ige French, Russian or German is recommended	. 0-12
	quirements (See page 60)	
Understanding	g and appreciation of the creative arts and humanities representing at least two areas	12
Group B  The study of at least two a	sulture and institutions over time. Nine credits representing	9
Group C Empirically be	ased study of human beings and their environment. Nine	9
Group D  The study of n minimum of th	enting at least two areas  natural phenomena through experiment and analysis. A  nirteen credits representing at least two areas including a  ne course with an associated laboratory.	13
and the second second	QUIREMENTS or better is required for major courses and related work	
	ng preparation for math 242 should begin with MATH 241	
Within the I		
MATH 210 MATH 242 MATH 243 MATH 245 MATH 349	Discrete Mathematics I  Analytic Geometry and Calculus B  Analytic Geometry and Calculus C  An Introduction to Proof  Elementary Linear Algebra	4 3 3
MATH 389 MATH 401 MATH 451	Graph Théory Advanced Calculus Abstract Algebra I	3
MATH 518 or	Mathematical Models and Applications	
another Mode	aling course	
MATH 540 STAT 300	Geometry Statistical Methods and Theory	
In addition, st. MATH 503 MATH 508	dents seeking certification to teach calculus must complete: Advanced Calculus for Applications Introduction to Complex Variables and Application	
Related Wor		
CISC 105 or	General Computer Science	
CISC 106 or	General Computer Science for Engineering	
CISC 181	Introduction to Computer Science	
PHYS 207 ENGL 312	Written Communications in Business	3
Professional		
EDST 201 EDST 304 EDST 305 MATH 1 <i>7</i> 9	Education in a Multicultural Society Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects Problem Solving Strategies I	3
MATH 379 MATH 380	Problem Solving Strategies Approaches to Teaching Mathematics	

MATH 381 EDST 420	Practicum in Secondary Mathematics Reading in the Content Areas	
	Student Teaching	

To be eligible to student teach, Mathematics Education students must have a g p.a of 2.5 in their mathematics major and an overall g p a. 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. 127) to obtain the student teaching application and other information concerning student teaching policies.

#### PATTYPS

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree, 79 outside of Mathematical Sciences

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

#### **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 prerequisite 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 210 as an alternative to MATH 230 and MATH 241-242 as an alternative to MATH 221-222.

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

Students who need further preparation in algebra and trigonometry prior to a 200-level course should take MATH 115 MATH 114 serves to establish minimal skill levels for students not expecting to continue at the 200-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.

#### **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 mathematics to include 9 credits above MATH 302 (MATH 341 is not considered above MATH 302 since it is a comparable course from a different track. However, MATH 342 may be counted as above MATH 302, provided MATH 349 is not included in the count.) STAT 370 or any course cross-listed with a mathematics course may be counted toward the minor, except that courses in mathematics education (e.g., MATH 379, 380, 381) do not apply.

#### REQUIREMENTS FOR A 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 370-371 and 9 credits in statistics above STAT 371 (excluded are STAT 555, STAT 650, STAT 656 and STAT 657).

# **MEDICAL HUMANITIES**

The 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

#### REQUIREMENTS FOR A MINOR IN MEDICAL HUMANITIES

CSCC/PHIL 246 CSCC/ENGL 369 CSCC/HIST 382 CSCC 366	Philosophical Perspectives of Medicine     3       Literature and Medicine     3       History of Western Medicine     3       Independent Study in Medical Humanities     1
Two courses from the	following:
CSCC/WOMS 233	Women, Biology and Medicine 3
CSCC/PHIL 241	Ethical & Moral Dimensions of Health Care 3
CSCC/SOCI 242	Society and the Health Professions 3
CSCC/SOCI 243	Society, Politics, and Health Care
CSCC 271	Comparative Medical Systems
CSCC/SOCI 310	Sociology of Health Care
CSCC/SOCI 311	Hospitals
CSCC/ENGL 368	Literature and Science
CSCC/HIST 385	History of Biological Ideas 3
CSCC/PHIL 444	Medical Ethics

Students wishing to complete a minor in Medical Humanities are encouraged to enroll as soon as possible. For information, contact Professor Ronald Martin in the Department of English, (302) 831-3068.

# **MEDIEVAL STUDIES**

5 tudents 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

٦,	P day till to it.	
	ARTH 209	Early Medieval Art (200-1000 AD)
	ARTH 210	Later Medieval Art (1000-14000 AD)
	ARTH 213	Art of the Northern Renaissance
	ARTH 406/606	Seminar in Medieval Art
	ARTH 408/608	Seminar in Northern 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	Studies in Medieval History
	MUSC 311	Misc History: 400 through 1600
	PHIL 302	Medieval Philosophy

Substitutions may be arranged with the permission of the faculty coordinator, provided that the required disciplinary distribution is maintained. For further information, consult Professor Mark Amsler,

SPAN 435/635 Spanish Medieval Lilerature

program coordinator, Department of English, (302) 831-6729 or Email: MAMSLER@UDEL.EDU

#### MILITARY SCIENCE-ARMY ROTC

**S** tudents at the University of Delaware have the opportunity to 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 four-year program consists of the completion of eight semester courses, totaling 12 credits, and one six-week leadership camp during the summer. Courses at the 100 and 200-level are electives open to students of any major with no obligation. To be eligible to take 300 and 400-level courses, students must have completed all 100 and 200-level courses or qualify for the two-year program as described below. Restrictions apply for those students who are seeking an Army Commission (for more information contact the Military Science Department at 831-2217). A military obligation is incurred only if the student contracts for a commission and receives pay.

Two-Year Program. The two-year program provides sophomores, juniors, and graduate students who have not completed the first two years of military science the opportunity to qualify for advanced ROTC and to obtain a commission. The student must have at least two years of full-time academic status remaining to qualify. As a prerequisite, the student must complete a six-week summer basic camp (not basic training). Students are paid and all travel, medical needs and meals are provided while attending this camp. Military veterans with two academic years remaining generally qualify automatically for the two-year program.

Advanced Camp. The ROTC student desiring to receive a commission must successfully complete a six-week leadership camp, normally in the summer between the junior and senior years. This camp allows the student to apply, in a military environment, those leadership and technical skills studied on campus. Students are provided uniforms, food, lodging, and medical care at no cost and are paid during this period. Transportation to and from the student's home is provided.

Pay and Allowances. All ROTC students contracting for a commission receive a subsistence allowance of \$150 per academic month.

Army ROTC Scholarship. Two, three- and four-year scholarships are awarded on the basis of academic merit and leadership potential. Scholarships pay up to \$12,000 in tuition, \$450 allowance for books, supplies, and fees, and \$150 subsistence allowance per academic month. A number of scholarships are also available to qualified students who desire a commission in the Army Reserve or National Guard.

Obligation. All ROTC graduates must serve in some capacity for eight years. This may be fulfilled by serving three to four years on active duty, followed by service in the Army National Guard (ARNG), U.S. Army Reserve (USAR), Individual Ready Reserve (IRR) or by serving eight years in the Guard or Reserve preceded by the active duty time needed to complete an officer basic course.

Educational Delay. ROTC graduates may apply for a delay from entry on active duty for the purpose of obtaining an additional academic degree.

Academic Credit. The colleges of Agricultural Sciences, Arts and Science, Business and Economics, Education, Human Resources, and Physical Education, Athletics and Recreation accept all 12 military science credits toward graduation. The College of Nursing and College of Engineering accept 6 and 4 credits, respectively

# MUSIC

The Department of Music provides a wide variety of educational opportunities, ranging from experiences directed to the cultural enrichment of the entire University community to the preparation of

students for professional careers in music. The department is a leader in the development of computer-based instruction in music and video-disc technology. It is a full member of the National Association of Schools of Music.

For the general University student, the department offers courses in the fundamentals of music, music literature, and class study of voice 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, gamelan, opera workshop, and various chamber ensembles.

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

The curricula for students majoring in music lead to the degrees Bachelor of Music and Bachelor of Arts. 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, organ, 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.

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.

#### **DEGREE: BACHELOR OF ARTS MAJOR: MUSIC CREDITS** See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department No more than 45 credits of Music courses may count toward the degree Applied Music MUSC 100 MUSC 161 MUSC 162 MUSC 175 Recital Attendance (four semesters required) Private Study Private Study Class Piano: Elementary I Private Study Private Study MUSC 261 MUSC 262 Theory MUSC 185 Ear Training and Sight Singing I MUSC 186 MUSC 195 Ear Training and Sight Singing II MUSC 196 Advanced Ear Training and Sight Singing I MUSC 285

MUSC 286 MUSC 295 MUSC 296	Advanced Ear Training and Sight Singing II  Advanced Harmony I  Advanced Harmony II	3
principle ir ment for re	of large ensembles BA Music Majors with strument of piano, organ or guitar must refer to the Depart- equired ensembles Students must be enrolled in a large during all semesters in which they are enrolled in Applied Music	<b>4</b> .
MUSC 211 MUSC 311 MUSC 312 MUSC 313	Introduction to Music History Music History: 1450-1750 Music History: 1715-1825 Music History: 1825 to the Present	3 3
	S courses are completed sufficient elective credits must be the minimum credit requirement for the degree.	
CREDITS TO	O TOTAL A MINIMUM OF	124
MAJOR: A	ACHELOR OF MUSIC PPLIED MUSIC-INSTRUMENTAL RATION: PRINCIPAL INSTRUMENTS	
of instrumenta front of this co	ation designates the student's principal instrument. A list al options can be found in the chart on page vi at the atalog, or can be obtained from the Department or the ts and Science Advisement Center.	
CURRICULUM		CREDITS
ENGL 110 Three credits i	TY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing al, ethnic, and/or gender-related content (see p 20)	
COLLEGE	REQUIREMENTS	
Skill Requir	ements	
A second writto papers wiextended facumust be taken courses are no	nimum grade C-) ing course involving significant writing experience including ith a combined minimum of 3,000 words to be submitted for all yellow of both composition and content. This course after completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet burses approved for second writing requirement, page 59.)	3
Mathematic		
	College Mathematics and Statistics students who do not intend to continue the study of mathematic	s)
	Pre-Calculus students who intend to continue the study of mathematics)	3
One of the fol MATH 221 MATH 241	lowing: Calculus I. Analytic Geometry and Calculus A	3
	formance on the college proficiency exam	
English literatu HIST 101 HIST 102	ure course (200-level – Group A or B) Western Civilization to 1648 Western Civilization: 1648 to the Present	3
Foreign Lan Two semesters	guage of the same modern foreign language	8
	quirements (See page 60)	
Understanding	g and appreciation of the creative arts and humanities ent is satisfied by MUSC 195 and 196 }	6
The study of cu at least two ar 313, HIST 10		
Empirically ba	used study of human beings and their environment Nine enting at least two areas.	9
	atural phenomena through experiment and analysis	6

MAJOR REQUIREMENTS	MATH 241 Analytic Geometry and Calculus A
Within the Department	or
Applied Music	Successful performance on the college proficiency exam.
MUSC 100 Recital Attendance (six semesters required)	English literature course (200-level – Group A or B) HIST 101 Western Civilization to 1648
MUSC 161 Private Study	HIST 102 Western Civilization: 1648 to the Present
MUSC 162 Private Study 4 MUSC 261 Private Study 4	Earning formations
MUSC 262 Private Study 4	Foreign Language Two semesters of the same modern foreign language
MUSC 361 Private Study	
MUSC 362 Private Study 4 MUSC 461 Private Study 4	Breadth Requirements (See page 60)
MUSC 462 Private Study 4	Group A  Understanding and appreciation of the creative arts and humanities
MUSC 175         Class Piano: Elementary I         1           MUSC 176         Class Piano: Elementary II         1	(This requirement is satisfied by MUSC 195 and 196)
MUSC 301 Junior Recital 0	Group B
MUSC 401 Senior Recital 0  Theory	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.)
MUSC 185 Ear Training and Sight Singing   2	Group C
MUSC 186 Ear Training and Sight Singing II	Empirically based study of human beings and their environment. Nine
MUSC 286 Advanced Ear Training and Sight Singing II 2	credits representing at least two areas
MUSC 195 Harmony I	Group D
MUSC 196 Harmony I	The study of natural phenomena through experiment and analysis
MUSC 296 Advanced Harmony II	MAJOR REQUIREMENTS
MUSC Theory courses 4-6	Within the Department
Ensemble	Applied Music
Twelve credits selected from the following:	MUSC 100 Recital Attendance (six semesters required)
MUSC 115 Band, MUSC 116 Jazz Ensemble, MUSC 117 University	MUSC 161 Private Study
Orchestra, MUSC 118 Percussion Ensemble, and MUSC 321 Ensemble (All Ensembles may be repeated.)	MUSC 162 Private Study
	MUSC 261 Private Study MUSC 262 Private Study
Guitarists must complete the following: MUSC 321 Ensemble: Guitar 8	MUSC 361 Private Study
Two semesters of any departmental ensemble 2	MUSC 362 Private Study
Literature	MUSC 461 Private Study MUSC 462 Private Study
MUSC 211 Introduction to Music History 3	MUSC 301 Junior Recital
MUSC 311 Music History: 1450-1750	MUSC 401 Senior Recital
MUSC 313 Music History: 1825 to the Present 3	Theory
Music Elective	MUSC 185 Ear Training and Sight Singing I
Music Electives	MUSC 186 Ear Training and Sight Singing II
Music Electives Excludes private study on primary instrument	MUSC 286 Advanced Ear Training and Sight Singing II
May include two credits of ensemble	MUSC 195 Harmony I
CREDITS TO TOTAL A MINIMUM OF 130	MUSC 196 Harmony II .  MUSC 295 Advanced Harmony I .
	MUSC 296 Advanced Harmony II
DEGREE: BACHELOR OF MUSIC	MUSC 393 Keyboard Harmony
MAJOR: APPLIED MUSIC-PIANO	MUSC 394 Keyboard Harmony MUSC Theory courses 4-6
CURRICULUM CREDITS	Ensemble
UNIVERSITY REQUIREMENTS	B M Applied Music – Piano majors must take MUSC 241, 242, 341,
ENGL 110 Critical Reading and Writing (minimum grade C-) 3	342, 441, and 442 (Accompanying Chamber Music: Piano) plus two
Three credits in an approved course or courses stressing 3	semesters of any ensemble offered in the Department of Music
multicultural, ethnic, and/or gender-related content (see p. 20)	Two semesters of any departmental ensemble
COLLEGE REQUIREMENTS	MUSC 241 Accompanying Chamber Music: Piano MUSC 242 Accompanying Chamber Music: Piano
Skill Requirements	MUSC 341 Accompanying Chamber Music: Piano
Writing: (minimum grade C-)	MUSC 342 Accompanying Chamber Music: Piano
A second writing course involving significant writing experience including	MUSC 441 Accompanying Chamber Music: Piano 1 MUSC 442 Accompanying Chamber Music: Piano 1
two papers with a combined minimum of 3,000 words to be submitted for	Literature
extended faculty critique of both composition and content. This course must be taken after completion of 62 credit hours. Appropriate writing	MUSC 211 Introduction to Music History
courses are normally designated in the semester's Registration Booklet	MUSC 311 Music History: 1450-1750
(See list of courses approved for second writing requirement, page 59)	MUSC 312 Music History: 1715-1825
Mathematics:	MUSC 313 Music History: 1825 to the Present
MATH 114 College Mathematics and Statistics	MUSC 364 Keyboard Literature II
(designed for students who do not intend to continue the study of mathematics)	Music Literature course
or MATH 115 Pre-Calculus	Music Electives
(designed for students who intend to continue the study of mathematics)	Excludes private study on primary instrument
or	May include two credits of ensemble
One of the following: MATH 221 Calculus I	CREDITS TO TOTAL A MINIMUM OF 133

	SACHELOR OF MUSIC APPLIED MUSIC-VOICE	
CURRICULUA	A CRED	)TI
UNIVERSI	TY REQUIREMENTS	
Three credits	Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing al, ethnic, and/or gender-related content (see p. 20)	
COLLEGE Skill Requir	REQUIREMENTS	
	nimum grade C-)	3
A second writing two paper ted for extend course must be writing course	ting course involving significant writing experience includers with a combined minimum of 3,000 words to be submit- ded faculty critique of both composition and content. This per taken after completion of 62 credit hours. Appropriate es are normally designated in the semester's Registration list of courses approved for second writing requirement,	
Mathematic		
MATH 114	College Mathematics and Statistics students who do not intend to continue the study of mathematics)	3
MATH 115	Pre-Calculus students who intend to continue the study of mathematics)	3
One of the fo	llowing:	_
MATH 221 MATH 241 or	Calculus I. Analytic Geometry and Calculus A	3 4
Successful pe	rformance on the college proficiency exam	
HIST 102 Languages co THEA 226	Western Civilization: 1648 to the Present ourses (French, German and Italian) 2 Acting I 3	24
	quirements (See page 60)	
Understanding	g and appreciation of the creative arts and humanities nent is satisfied by MUSC 195 and 196.)	6
The study of c	culture and institutions over time. Twelve credits represent- to areas. (This requirement is satisfied by MUSC 311,	12
Group C		6
credits repres	ased study of human beings and their environment. Six enting at least two areas	
	atural phenomena through experiment and analysis.	3
	QUIREMENTS	
Within the I Applied Mu		
MUSC 100	Recital Attendance (six semesters required)	0
MUSC 161	Private Study	4
MUSC 162 MUSC 261	Private Study Private Study	
MUSC 262	Private Study	
MUSC 361	Private Study	4
MUSC 362	Private Study	
MUSC 461 MUSC 462	Private Study Private Study	4
MUSC 175	Class Piano: Elementary I	
MUSC 176	Class Piano: Elementary II	
MUSC 275 MUSC 276	Class Piano: Intermediate I. Class Piano: Intermediate II	
MUSC 301	Junior Recital	0
MUSC 401	Senior Recital	U
Theory	Ear Training and Sight Singing I	2
MUSC 185 MUSC 186	Ear Training and Sight Singing I	2
MUSC 285	Advanced Ear Training and Sight Singing I	2
MUSC 286	Advanced Ear Training and Sight Singing II	
MUSC 195 MUSC 196	Harmony I.	
MUSC 295	Advanced Harmony I	3
MUSC 296	Advanced Harmony II	3

Ensemble MUSC 108	University Singers	. 35° 23. <b>9</b> €
or	Choral Union	. ~
MUSC 109	Choral	
MUSC 110	Choral	8
MUSC 211 MUSC 311	Introduction to Music History	3
MUSC 312	Music History: 1450-1750 Music History: 1715-1825	
MUSC 313 Related Mu	Music History: 1825 to the Present	3
MUSC 171	Diction: English and Italian	
MUSC 271	Diction: German	1
MUSC 272 MUSC 489	Diction: French Opera Workshop	
Music Electi		
Nine credits f	rom the following: (including four credits	9
	327, 427 and/or 428) Introduction to Opera	2
MUSC 103 MUSC 104	Introduction to Opera II	3
MUSC 327	German Lieder	
MUSC 335	Basic Conducting	
MUSC 395	Form Analysis	
MUSC 397	Contemporary Harmony	
MUSC 427	French Art Song	
MUSC 428 MUSC 480	Twentieth-Century Art Song Vocal Pedagogy	
ELECTIVE	${f S}$	
	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree.	
	O TOTAL A MINIMUM OF	104
CKEDII2 I	D IOIAL A MINIMUM OF	134
DEGREE: B	ACHELOR OF MUSIC	
	USIC EDUCATION-INSTRUMENTAL	
CONTENT	RATION: PRINCIPAL INSTRUMENT	
The concentra	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of	
The concentra instrumental o this catalog, c	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of ir can be obtained from the Department or the College of	
The concentra instrumental o this catalog, c	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of	
The concentra instrumental o this catalog, c	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of acceptable.	REDITS
The concentra instrumental o this catalog, o Arts and Scier CURRICULUM	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of nace Advisement Center.	REDITS
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The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITENGL 110	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of nee Advisement Center  CTY REQUIREMENTS  Critical Reading and Writing (minimum grade C-)	3
The concentral instrumental of this catalog, carts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of named Advisement Center  CY REQUIREMENTS	3
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The concentral instrumental of this catalog, concentrated and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of name and the colleg	3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural COLLEGE Skill Require	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of name and the colleg	3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural COLLEGE Skill Require Writing: (mir A second writing)	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of acceptance Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) and approved course or courses stressing	3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITENGE 110 Three credits in multicultural college of Skill Require Writing: (mir A second writtwo papers with two papers with the second content of the concentration of the concen	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing In ethnic, and/or gender-related content (see p. 20)  REQUIREMENTS  ements Inimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for	3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural COLLEGE Skill Required A second writting in two papers wiextended facultinstruments.	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing il, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  EMEMORIAN SEMENTS  EMEMORIAN GRADE STREET SEMENTS  EMEMORIAN GRADE STREET SEMENTS  EMEMORIAN GRADE STREET SEMENTS  EMEMORIAN GRADE STREET S	3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multiculture COLLEGE Skill Require Writing: (mir A second writt two papers wiextended facumust be taken	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CTY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing id, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  EMEMORIEMENTS	3
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The concentral instrumental of this catalog, of Arts and Scier CURRICULUM UNIVERSITIENGL 110 Three credits in multicultural COLLEGE: Skill Requirity Writing: (mir A second writtwo papers wiextended facumust be taken courses are not (See list of course that the course is a course to course the course that the course t	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) on an approved course or courses stressing oil, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) or gender-related content (see p. 20) or gender-related (see p. 20) or gender	3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits is multicultural collection of the collection o	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of once Advisement Center  CTY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) on an approved course or courses stressing of the chart of the course involving significant writing experience including the completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet writing approved for second writing requirement, page 59.)	3
The concentral instrumental of this catalog, of Arts and Scier CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural college is multicultural writing: (min A second writing through papers with extended facultural be taken courses are not (See list of college in the co	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing id, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  Ements  Inimum grade C-) in grade course involving significant writing experience including that a combined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet was approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  titudents who do not intend to continue the study of mathematics	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
The concentral instrumental of this catalog, of Arts and Scier CURRICULUM UNIVERSITE ENGL 110 Three credits is multiculture COLLEGE: Skill Require Writing: (mir A second writt two papers with extended facus must be taken courses are not (See list of cout Mathematic MATH 114 (designed for so or MATH 115	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CTY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing in ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) ing course involving significant writing experience including that a combined minimum of 3,000 words to be submitted for lity critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet curses approved for second writing requirement, page 59 )  s:  College Mathematics and Statistics  titudents who do not intend to continue the study of mathematics.  Pre-Calculus	3
The concentral instrumental of this catalog, of Arts and Scier CURRICULUM UNIVERSITE ENGL 110 Three credits is multiculture COLLEGE: Skill Require Writing: (mir A second writt two papers with extended facus must be taken courses are not (See list of cou Mathematic MATH 114 (designed for so or MATH 115	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) in an approved course or courses stressing id, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  Ements  Inimum grade C-) in grade course involving significant writing experience including that a combined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet was approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  titudents who do not intend to continue the study of mathematics	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSIT ENGL 110 Three credits in multicultural COLLEGE Skill Require Writing: (mir A second writing two papers with example of the courses are not (See list of course the courses are not (See list of course) and the matter of the courses are not (See list of course) and the matter of the courses are not (See list of course) and the matter of the courses are not (See list of course) and the matter of the course o	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing. II, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet writes approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  tudents who do not intend to continue the study of mathematics)  students who intend to continue the study of mathematics)	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural COLLEGE Skill Require Writing: (mir A second writt two papers with example of the courses are not (See list of course the courses are not (See list of course the course of	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-)	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
The concentral instrumental of this catalog, of Arts and Scient CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural color of the following the taken courses are not courses are not courses are not to the taken course are not to the taken courses are not to the taken course the taken cours	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing In, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements Inimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for lity critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet burses approved for second writing requirement, page 59.)  St.  College Mathematics and Statistics  Students who do not intend to continue the study of mathematics.  Pre-Calculus  Students who intend to continue the study of mathematics.)	3 3 3 3 3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSITENGE 110 Three credits in multicultural COLLEGE Skill Requirements of the following of the courses are not (See list of course of the following instruments of the following of th	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing. II, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet wrses approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  trudents who do not intend to continue the study of mathematics.  Pre-Calculus  students who intend to continue the study of mathematics.)  lowing:  Calculus I.  Analytic Geometry and Calculus A	3 3 3 3 3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSIT ENGL 110 Three credits in multicultural COLLEGE Skill Requirements of the courses are not (See list of course are not (See list of	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) and approved course or courses stressing al, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) and content writing experience including the acombined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing the samester's Registration Booklet writing experience including that completion of 62 credit hours. Appropriate writing to ormally designated in the semester's Registration Booklet writing approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  trudents who do not intend to continue the study of mathematics.)  Pre-Calculus  students who intend to continue the study of mathematics.)  lowing:  Calculus 1.  Analytic Geometry and Calculus A  formance on the college proficiency exam.	3 3 3 3 3
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSIT ENGL 110 Three credits in multicultural COLLEGE Skill Requirements of the following of the following	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing. II, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for thy critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet writing experience including that the study of mathematics are approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics	3 3 3 3 3 4 4
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSITENGE 110 Three credits in multicultural COLLEGE Skill Requirements of the following of the following the following of the following the followi	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) and approved course or courses stressing al, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) and content minimum of 3,000 words to be submitted for the composition and content. This course after completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet wires approved for second writing requirement, page 59.)  s:  College Mathematics and Statistics  trudents who do not intend to continue the study of mathematics.  Pre-Calculus  students who intend to continue the study of mathematics.  lowing:  Calculus I.  Analytic Geometry and Calculus A  formance on the college proficiency exam.  quirements (See page 60)  pry course, to be selected from Group A or B	3 3 3 3 3 4 4
The concentral instrumental of this catalog, charts and Scient CURRICULUM UNIVERSITENGE 110 Three credits in multicultural color of the following the following that the following the following that the following that the following that the following the fo	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) In an approved course or courses stressing. II, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  mimum grade C-) Ing course involving significant writing experience including the acombined minimum of 3,000 words to be submitted for lity critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet burses approved for second writing requirement, page 59.)  S:  College Mathematics and Statistics  Itudents who do not intend to continue the study of mathematics students who intend to continue the study of mathematics.  Pre-Calculus  Students who intend to continue the study of mathematics.  Jowing: Calculus I.  Analytic Geometry and Calculus A  formance on the college proficiency exam.  Juirements (See page 60)  Tory course, to be selected from Group A or B	3 3 3 3 3 4 4
The concentral instrumental of this catalog, charts and Sciene CURRICULUM UNIVERSITE ENGL 110 Three credits in multicultural color of the following the taken courses are not (See list of courself of the following) (MATH 114 (designed for some of the following) (designed	tion designates the student's principal instrument. A list of ptions can be found in the chart on page vi at the front of or can be obtained from the Department or the College of ince Advisement Center.  CY REQUIREMENTS  Critical Reading and Writing (minimum grade C-) and approved course or courses stressing al, ethnic, and/or gender-related content (see p. 20).  REQUIREMENTS  ements  nimum grade C-) and content minimum of 3,000 words to be submitted for the composition and content. This course after completion of 62 credit hours. Appropriate writing formally designated in the semester's Registration Booklet wires approved for second writing requirement, page 59.)  s:  College Mathematics and Statistics  trudents who do not intend to continue the study of mathematics.  Pre-Calculus  students who intend to continue the study of mathematics.  lowing:  Calculus I.  Analytic Geometry and Calculus A  formance on the college proficiency exam.  quirements (See page 60)  pry course, to be selected from Group A or B	3 3 3 3 3 4 4

The study of	culture and institutions over time. (MUSC 311, 312, and ward completion of this requirement.)	9
Empirically b	ased study of human beings and their environment. Nine enting at least two areas	9
The study of r	natural phenomena through experiment and analysis. One e with an associated laboratory	4
MAJOR RI	EQUIREMENTS	
Within the l	_ <del>-</del>	
Applied Mu	JSiC	^
MUSC 100 MUSC 161	Recital Attendance (six semesters required) Private Study	2
MUSC 162	Private Study	
MUSC 261	Private Study	
MUSC 262 MUSC 361	Private Study Private Study	
MUSC 362	Private Study	2
MUSC 461	Private Study	2
MUSC 175	Class Piano: Elementary I	I
MUSC 176 MUSC 174	Class Piano: Elementary II	1
MUSC 301	Junior Recital	ó
Theory		
MUSC 1.85	Ear Training and Sight Singing I	2
MUSC 186	Ear Training and Sight Singing II	2
MUSC 285	Advanced Ear Training and Sight Singing I	
MUSC 286 MUSC 195	Advanced Ear Training and Sight Singing II  Harmony I.	
MUSC 196	Harmony II.	3
MUSC 295	Advanced Harmony I	3
MUSC 296 MUSC 331	Advanced Harmony II Orchestration	3
Ensemble	Orchestication	_
MUSC 115	Band	7
Literature		
MUSC 211	Introduction to Music History	3
MUSC 311	Music History: 1450-1750	3
MUSC 312 MUSC 313	Music History: 1715-1825	
	Instruments	
MUSC 214	Stringed Instruments Class	1.
MUSC 215	High Brass Instruments Class	1
MUSC 216	Low Brass Instruments Class	
MUSC 217 MUSC 218	Woodwind Instruments Class I Woodwind Instruments Class II	i
MUSC 219	Percussion Instruments	
Music Meth		
MUSC 335	Basic Conducting	
MUED 279 MUED 337	Practicum in Music Education	
MUED 379	Instrumental Conducting  Music in the Elementary and Junior High (or Middle) School	3
MUED 479	Secondary Music Materials and Approaches	
MUSC 287	Music Technology	3
Music Electi		,
primary in:		6
Professional	Studies	
Education	Edward Carley	2
EDST 201 EDST 304	Education in a Multicultural Society Educational Psychology – Social Aspects	3
EDST 305	Educational Psychology – Cognitive Aspects	3
EDDV 400	Student Teaching	9
The Music Ed	ucation program requires a certain minimum G.P.A. for	
	EDDV 400, Student Teaching, a course required for the eacher education program advisor (see list on p. 127) should	
	or the exact G.P.A. requirements and other policies concern-	
	ons for student teaching	
CREDITS TO	O TOTAL A MINIMUM OF 12	9

MAJOR: M	ACHELOR OF MUSIC IUSIC EDUCATION—GENERAL/CHORAL RATION: PIANO	-
CURRICULUM	CRED 'Y REQUIREMENTS	ITS
	Critical Reading and Writing (minimum grade C-)	2
Three credits in	n an approved course or courses stressing	3
COLLEGE I	REQUIREMENTS	
	nimum grade C-)	3
A second writi two papers wi extended facti must be taken courses are no	ing course involving significant writing experience including th a combined minimum of 3,000 words to be submitted for lly critique of both composition and content. This course after completion of 62 credit hours. Appropriate writing ormally designated in the semester's Registration Booklet.	•
Mathematic	s:	
MATH 114 (designed for s	College Mathematics and Statistics tudents who do not intend to continue the study of mathematics)	3
	Pre-Calculus students who intend to continue the study of mathematics)	3
One of the foll MATH 221 MATH 241 or	lowing: Calculus I: Analytic Geometry and Calculus A	3 4
Successful per	formance on the college proficiency exam	
	quirements (See page 60)  ory course, to be selected from Group A or B	2
Understanding Nine credits re	and appreciation of the creative arts and humanities expresenting at least two areas. (This requirement is partial- MUSC 195 and 196.)	7
	· comment of the second section of the second second section of the second section of the second section of the second section of the second section s	9
313 count tow	Ulture and institutions over time. (MUSC 311, 312, and vard completion of this requirement.)	o
Empirically ba	sed study of human beings and their environment Nine nting at least two areas.	
		4
The study of no	atural phenomena through experiment and analysis. One with an associated laboratory	7. 24
MAJOR REG	QUIREMENTS	
Within the D		
Applied Mus	sic	
MUSC 100	Recital Attendance (six semesters required)	
MUSC 161 MUSC 162	Private Study (piano) Private Study (piano)	2
MUSC 261	Private Study (piano)	2
	Private Study (piano)	
MUSC 361 MUSC 362	Private Study (piano) Private Study (piano)	2
MUSC 461	Private Study (piano)	2
MUSC 161 MUSC 162	Private Study (voice)	
MUSC 261	Private Study (voice)	1
MUSC 262	Private Study (voice)	1
MUSC 480 '	Vocal Pedagogy Diction: English and Italian	3
MUSC 271	Diction: German	1
	Diction: French Junior Recital	
Theory	· · · · · · · · · · · · · · · · · ·	_
MUSC 185 MUSC 186	Ear Training and Sight Singing I  Ear Training and Sight Singing II	2
MUSC 285	Advanced Ear Training and Sight Singing I	2
MUSC 286 .	Advanced Ear Training and Sight Singing II	2
MUSC 195 MUSC 196	Harmony I	3
	Advanced Harmony I	
MUSC 296	Advanced Harmony II	3
MUSC 397	Contemporary Harmony	3

Ensemble	University Singers 8		equirements (See page 60)	•
MUSC: 108	Choral Union 8		istory course, to be selected from Group A or B	
MUSC 109 or		Understandi	ng and appreciation of the creative arts and humanities representing at least two areas (This requirement is partial-	
MUSC 110	Choral		by MUSC 195 and 196.)	
Literature		•		3
MUSC 211	Introduction to Music History.		culture and institutions over time. (MUSC 311, 312, and	
MUSC 311	Music History: 1450-1750		oward completion of this requirement.)	
MUSC 312	Music History: 1715-1825			
MUSC 313	Music History: 1825 to the Present			?
MUSC 328	Choral Literature		pased study of human beings and their environment. Nine	j.,
Secondary	Instruments	credits repre	senting at least two areas	7
MUSC 214	Stringed Instruments Class	Group D	r i kan salamanan kan mangat apak mananan ya ita kan kan inggan kan Sananan an Sananan kan kan kan an an Sanan Sana	4
	Offinged instructions Class	The study of	natural phenomena through experiment and analysis. One	Q.,.
MUSC 215	High Brass Instruments Class 1		se with an associated laboratory	
or MUSC 217	Woodwind Instruments Class I	MATON	DOTATION TO THE	j.
,		MAJOR R	EQUIREMENTS	
Music Meth		Within the	Department	
MUSC 287	Music Technology 3	Annlind M		, '
MUSC 335	Basic Conducting	Applied M		~ *
MUED 279	Practicum in Music Education 3	MUSC 141	Recital Attendance (six semesters required)	
MUED 336	Choral Conducting	MUSC 161	Private Study 2	
MUED 379	Music in the Elementary and Junior High (or Middle) School 3	MUSC 162	Private Study	
MUED 479	Secondary Music Materials and Approaches	MUSC 261	Private Study	2
Music Electi		MUSC 262	Private Study	
		MUSC 361	Private Study	
	of music electives excluding ensemble and	MUSC 362	Private Study	
private stud	dy on primary instrument (MUSC 407 recommended)	MUSC 461	Private Study	
Professional	Studies	MUSC 175	Class Piano: Elementary I	
	Studies	MUSC 176	Class Piano: Elementary II.	1
Education		MUSC 275	Class Piano: Intermediate	i
EDST 201	Education in a Multicultural Society	MUSC 276	Class Piano: Intermediate II	ŀ
EDST 304	Educational Psychology – Social Aspects 3	MUSC 171	Diction: English and Italian	
EDST 305	Educational Psychology – Cognitive Aspects	MUSC 271	Diction: German	
EDDV 400	Student Teaching 9	MUSC 272	Diction: French	Í
	to student teach, Music Education students must have a	MUSC 480	Vocal Pedagogy Junior Recital	3
and of 2.75	5 in their music major and an overall g.p a. of 2.5. Students	MUSC 301	Junior Recital	)
	the teacher education program coordinator (see list on p	Theory		
	the student teaching application and other information con-	MUSC 185	Ear Training and Sight Singing I	>
	the student reaching application and other information con- nt teaching policies	MUSC 186	Ear Training and Sight Singing I	<u>-</u>
cerning studer	ir reaching policies	MUSC 285	Advanced Ear Training and Sight Singing I	
CDEDITS TO	O TOTAL A MINIMUM OF 133	MUSC 286	Advanced Ear Training and Sight Singing II	5
CICEDIIO 14	DIOIALA MINIMIONI OI IIIIIIIIIIIIIIIIIIIIIIIIII	MUSC 195	Harmony I.	
		MUSC 193	Harmony II	
		MUSC 295	Advanced Harmony I	
	ACHELOR OF MUSIC	MUSC 296	Advanced Harmony II	ز
MAJOR: M	USIC EDUCATION—GENERAL/CHORAL	MUSC 397	Contemporary Harmony	). )
CONCENT	RATION: VOICE		Confemporary Flarmony	<u>.</u>
CURRICULUM	CDEDITS	Ensemble		
		MUSC 108	University Singers	3
UNIVERSIT	Y REQUIREMENTS	or		
	Critical Reading and Writing (minimum grade C-)	MUSC 109	Choral Union	3
	n an approved course or courses stressing	or		
multicultura	l, ethnic, and/or gender-related content (see p. 20)	MUSC 110	Choral	3
COLLEGE	DECLIEDENTENIEC	Literature		
	REQUIREMENTS	MUSC 211	Introduction to Music History	3
Skill Require	ements .	MUSC 311	Music History: 1450-1750	
Writing: Imir	nimum grade C-)	MUSC 312	Music History: 1715-1825	
	ing course involving significant writing experience including	MUSC 313	Music History: 1825 to the Present	ί
	th a combined minimum of 3,000 words to be submitted for	MUSC 328	Choral Literature	
	by critique of both composition and content. This course			
	after completion of 62 credit hours. Appropriate writing	•	Instruments	
	ormally designated in the semester's Registration Booklet	MUSC 214	Stringed Instruments Class	i
	rmany designated in the semester's Registration bookies.  Irses approved for second writing requirement, page 59 )	MUSC 215	High Brass Instruments Class	j
		or		
Mathematic. .∧∧т⊔ 11 /			Woodwind Instruments Class I	I.
	College Mathematics and Statistics	Music Meth	nods	
•	tudents who do not intend to continue the study of mathematics)	MUSC 287	Music Technology	ł
or		MUSC 335	Basic Conducting	2
	Pre-Calculus 3	MUED 279	Practicum in Music Education 3	j
designed for s	students who intend to continue the study of mathematics)	MUED 336	Choral Conducting 2	
or		MUED 379	Music in the Elementary and Junior High (or Middle) School 3	
		MUED 479	Secondary Music Materials and Approaches 3	}
One of the foll	owing: Calculus I			
		Music Elect		
латн 241 .	Analytic Geometry and Calculus A		of music electives excluding ensemble and	í
or		private stu	dy on primary instrument (MUSC 407 recommended)	
Successful perf	formance on the college proficiency exam			

	g	
Professional	Studies	
Education	Education to the little level Contra	_
EDST 201 EDST 304	Education in a Multicultural Society Educational Psychology – Social Aspects	. 3 3
EDST 305	Educational Psychology - Cognitive Aspects	. 3
EDDV 400	Student Teaching	9
The Music Edu	ucation program requires a certain minimum G.P.A. for	
enrollment in	EDDV 400, Student Teaching, a course required for the	
	eacher education program advisor (see list on p. 127) should	
	or the exact G.P.A. requirements and other policies concern- ons for student teaching.	
CREDITS TO	O TOTAL A MINIMUM OF 13	3
<del></del>		_
	ACHELOR OF MUSIC	
	HEORY/COMPOSITION	
	RATIONS: THEORY/COMPOSITION	
CURRICULUM		IT
	TY REQUIREMENTS	
ENGL 110	Critical Reading and Writing (minimum grade C-)	3
Three credits i	n an approved course or courses stressing  1, ethnic, and/or gender-related content (see p. 20)	3
COLLEGE	REQUIREMENTS	
Skill Requir	ements	
	nimum grade C-)	3
	ing course involving significant writing experience including	
	ith a combined minimum of 3,000 words to be submitted for by critique of both composition and content. This course	
must be taken	after completion of 62 credit hours. Appropriate writing	
courses are no	ormally designated in the semester's Registration Booklet.	
(See list of cou	urses approved for second writing requirement, page 59)	
Mathematic	s:	
	College Mathematics and Statistics	3
	students who do not intend to continue the study of mathe-	
matics) or		
MATH 115	Pre-Calculus	3
(designed for	students who intend to continue the study of mathematics)	
or		
One of the foll		
	Calculus I.	3
MATH 241	Analytic Geometry and Calculus A	4
T'	formance on the college proficiency exam	
Modern Lan	auaaes	
	in one of the following: French, German	2
or Italian		_
HIST 101	Western Civilization to 1648 Western Civilization 1648 to the Present	3
		3
	quirements (See page 60)	
	or higher English literature courses selected from	6
Group A or		٠
Understanding	and appreciation of the creative arts and humanities	٥
	ent is satisfied by MUSC 195 and 196.)	
	1	.5
The study of cu	ulture and institutions over time Fifteen credits representing	_
at least two ar	eas. (This requirement is satisfied by MUSC 311, 312,	
313, HIST 10	I, and 102)	
	e de la composição de l	9
	sed study of human beings and their environment. Nine	
	nting at least two areas	
Group D		9
	atural phenomena through experiment and analysis. Nine	
credits in at led		
=	QUIREMENTS	
Within the D		
Applied Mus		
MUSC 175	Recital Attendance (six semesters required)	U
MUSC 175	Class Piano: Elementary II	i
MUSC 275	Class Piano: Elementary I Class Piano: Elementary II Class Piano: Intermediate I	i
MUSC 276	Class Piano: Intermediate II	1

Secondary	Instruments and Conducting	
MUSC 214 MUSC 215 MUSC 217 MUSC 219	Stringed Instruments Class High Brass Instruments Class Woodwind Instruments Class I Percussion Instruments	1 1 1
MUSC 335	Basic Conducting	2
Theory MUSC 185 MUSC 186 MUSC 285 MUSC 286 MUSC 195 MUSC 196 MUSC 295 MUSC 296 MUSC 297 MUSC 391 MUSC 331 MUSC 392	Ear Training and Sight Singing I Ear Training and Sight Singing II Advanced Ear Training and Sight Singing I Advanced Ear Training and Sight Singing II Harmony I. Harmony II Advanced Harmony I Advanced Harmony II Music Technology Orchestration Contrapuntal Writing	2223333322
MUSC 393 MUSC 394 MUSC 395 MUSC 397	Keyboard Harmony I Keyboard Harmony II Form Analysis Contemporary Harmony	3
<b>Theory Con</b> MUSC 485 MUSC 420 MUSC 420 or	Pedagogy of Theory Advanced Composition Advanced Composition	3
MUSC Theory MUSC 421	, literature or applied music elective Special Projects in Music Theory	3
Compositio	n Concentration	
MUSC 485 MUSC 420 MUSC 420 MUSC 420	Pedagogy of Theory Advanced Composition Advanced Composition Advanced Composition	3
Literature		
MUSC 211 MUSC 311 MUSC 312 MUSC 313 MUSC 407	Introduction to Music History Music History: 1450-1750 Music History: 1715-1825 Music History: 1825 to the Present Twentieth-Century Music	3 3 3
<b>Ensemble</b> A variety of er	nsembles are recommended, including Chamber ensembles	4
•	O TOTAL A MINIMUM OF 120	

# REQUIREMENTS FOR A MINOR IN MUSIC

A minimum grade of C is required in each course for music minors

# 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 (e.g. Applied Music-Bassoon). A list of applied music minors can be found in the chart on page viii 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:

	¥	CKEDII2
Class Piano MUSC 175		1
Not required of persons minoring in Applie	ed Music-Piano	
Applied Music MUSC 161, 162, 261, 262		
Lessons will be 1/2 hour per week and wi	Il include a repertory class	
Ensemble		4
Ensemble and private study must be taken		
ble Policy in the Department of Music Stud	ent Handbook) Music	
Minors with principal instrument of piano,	organ or guitar must refer	
to the Department for required ensembles	•	
Theory/Composition - MUSC 185 and 195		5

Music Literature/History	
(MUSC 101 and 102 do not fulfill this requirement	
Any other music history course will do )	
Total Credits	21
	(For Piano minors 20)

#### **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:

CRE	בווט:
Jazz Styles/Tech MUSC 181 and 281.	. 4
Ensemble MUSC 116 (four semesters), MUSC 321	. 5
Jazz Improvisation MUSC 293 and 294	
Harmony and History MUSC 197 and 207	. 6
Total Credits	21

#### **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:

	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	CREDITS
MUSC 185	Ear Training and Sight Singing I	2
MUSC 195	Harmony I	3
MUSC 211	Introduction to Music History	3
MUSC 311	Music History: 400 - 1600	
or		
MUSC 312	Music History: 1600 - 1827	
or		
	Music History: 1825 to Present	
MUSC Ensem	ble	·
MUSC History	y/Literature Elective (MUSC 101 and 102 do not	
tultill this re	equirement. Any other music history course will do )	
MUSC Theory	Elective (MUSC 186, 196, 197, 287, 385)	2-3
Total Cred	its	18-19

## **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.

The American Philosophical Association's national headquarters is on the Delaware campus

	BACHELOR OF ARTS PHILOSOPHY	
CURRICULUA	A CREDIT	S
See page 5	66 for University and College requirements.	
MAJOR RE	EQUIREMENTS	
Within the	Department	
PHIL 105	Critical Thinking	į
or PHIL 205	Logic	,

PHIL 201 or	Social and Political Philosophy	. 3
PHIL 203	Ethics	3
PHIL 301 PHIL 303	Ancient Philosophy Modern Philosophy	3
PHIL 305 or	Twentieth Century Philosophy	3
PHIL 320	Theory of Knowledge	
PHIL 465	Senior Seminar	3
Six additiona Six additiona	l Philosophy credits at the 300-level or above l Philosophy elective credits	6
six hours of m from suitable Oriental, Latin	losophy which count toward completing the major require-	1204 nts
		nult.
CREDITS T	O TOTAL A MINIMUM OF 12	24

#### **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

# PHYSICAL THERAPY

Prephysical therapy (undergraduate) 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 office in their major department. They receive career counseling from faculty in the Physical Therapy Program. 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

# PHYSICS AND ASTRONOMY

The Department of Physics and Astronomy 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 Bartol 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.

# DEGREE: BACHELOR OF ARTS MAJOR: PHYSICS

CURRICULUM

**CREDITS** 

See page 56 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.

MAJOR REQUIREMENTS	
Miljon Regularibilia	PHYS 207 Fundamentals of Physics I
Within the Department	PHYS 208 Fundamentals of Physics II
Ordinarily, no more than four credits from among PHYS 201, and 207	PHYS 209 Fundamentals of Physics III
may be counted toward graduation requirements; similarly no more than	PHYS 306 Computational Methods of Physics 3 PHYS 313 Physical Optics 4
four from among PHYS 202, 208. Students interested in majoring in	PHYS 419 Classical Mechanics I
Physics who have taken an introductory sequence other than PHYS 207-8	PHYS 422 Quantum Mechanics
should consult with a member of the Physics faculty to consider the need for additional introductory courses, for which some additional credit	PHYS 603 Electricity and Magneticism I
toward graduation may be given with permission of the Physics chair	PHYS 604 Electricity and Magneticism II
PHYS 207 Fundamentals of Physics I (strongly recommended) 4	PHYS 616 Kinetic Theory and Thermodynamics 3 PHYS 620 Classical Mechanics II 3
or	PHYS 621 Fundamentals of Modern Physics 3
PHYS 201 Introductory Physics 1	PHYS 645 Electronics for Scientists 3
PHYS 208 Fundamentals of Physics II (strongly recommended) 4	PHYS 647 Modern Physics Laboratory 3
or	Within the College
PHYS 202 Introductory Physics II 4	Mathematics:
Twenty-two credits in Physics, of which fifteen must be at	MATH 241 Analytic Geometry and Calculus A
the 300-level or higher	MATH 242 Analytic Geometry and Calculus B
Within the College	MATH 243 Analytic Geometry and Calculus C
MATH 241 Analytic Geometry and Calculus A (recommended) 4	MATH 302 Ordinary Differential Equations 3
MATH 242 Analytic Geometry and Calculus B	MATH 349 Elementary Linear Algebra 3
MATH 243 Analytic Geometry and Calculus C	One of the following three courses:
or	MATH 503 Advanced Calculus for Applications 3 MATH 508 Introduction to Complex Variables and Applications 3
MATH 221 Calculus I	MATH 508 Introduction to Complex Variables and Applications 3 MATH 514 Topics in Advanced Mathematics for Engineers 3
MATH 222 Calculus II	
ELECTIVES	Natural Science CHEM 103 General Chemistry 4
After required courses are completed, sufficient elective credits must be	CHEM 104 General Chemistry 4  CHEM 104 General Chemistry 4
taken to meet the minimum credit requirement for the degree	
	ELECTIVES
CREDITS TO TOTAL A MINIMUM OF 124	After required courses are completed, sufficient elective credits must be
	taken to meet the minimum credit requirement for the degree
DEGREE: BACHELOR OF SCIENCE	CREDITS TO TOTAL A MINIMUM OF 130
MAJOR: PHYSICS	
The state of the s	DEGREE: BACHELOR OF SCIENCE
UNIVERSITY REQUIREMENTS	MAJOR: PHYSICS
ENGL 110 Critical Reading and Writing (minimum grade C-)	CONCENTRATION: ASTRONOMY/ASTROPHYSICS
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content (see p. 20)	CURRICULUM CREDITS
	UNIVERSITY REQUIREMENTS
COLLEGE REQUIREMENTS	UNIVERSITI REQUIREMENTS
_ · · · · ·	FNGL 110 Critical Panding and Writing (minimum grade C)
Skill Requirements	ENGL 110 Critical Reading and Writing (minimum grade C-) 3 Three credits in an approved course or courses stressing 3
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should consul for additional toward gradu PHYS 133	with a member of the Physics faculty to consider the need introductory courses, for which some additional credit ation may be given with permission of the Physics chair.
PHYS 207 PHYS 208 PHYS 209 PHYS 306 PHYS 313 PHYS 419 PHYS 422	Fundamentals of Physics I. 4 Fundamentals of Physics II 4 Fundamentals of Physics III 3 Computational Methods of Physics 3 Physical Optics 4 Classical Mechanics I 3 Quantum Mechanics 3
PHYS 449 PHYS 603 PHYS 616 PHYS 620 PHYS 621 PHYS 632 PHYS 633	Introduction to Research         4           Electricity and Magnetism I         3           Kinetic Theory and Thermodynamics         3           Classical Mechanics II         3           Fundamentals of Modern Physics I         3           Astrophysics         3           Stellar Astrophysics         3
PHYS 645 PHYS 646	Electronics for Scientists 3 Instrumentation for Scientists 3
Within the C	
Mathematic MATH 241 MATH 242 MATH 243 MATH 302 MATH 349	Analytic Geometry and Calculus A 4 Analytic Geometry and Calculus B 4 Analytic Geometry and Calculus C 4 Ordinary Differential Equations 3 Elementary Linear Algebra 3
Natural Science GEOL 109	Planets, Asteroids, and Impacts
ELECTIVE	
	courses are completed, sufficient elective credits must be the minimum credit requirement for the degree
CREDITS TO	O TOTAL A MINIMUM OF 130
DEGREE: B	ACHELOR OF SCIENCE
MAJOR: P	
	HYSICS RATION: CHEMICAL PHYSICS
CONCENTION CURRICULUM UNIVERSIT ENGL 110 Three credits i	HYSICS RATION: CHEMICAL PHYSICS
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four from amo	ong PHYS 202, 208 Students interested in majoring in	
	have taken an introductory sequence other than PHYS 207-8	
	t with a member of the Physics faculty to consider the need	
	l introductory courses, for which some additional credit pation may be given with permission of the Physics chair	
PHYS 207	Fundamentals of Physics I.	4
PHYS 208	Fundamentals of Physics II	4
PHYS 209	Fundamentals of Physics III	
PHYS 306	Computational Methods of Physics	3
PHYS 313	Physical Optics Classical Mechanics I	4
PHYS 419	Classical Mechanics	3
PHYS 603 PHYS 616	Electricity and Magnetism I Kinetic Theory and Thermodynamics	
PHYS 621	Fundamentals of Modern Physics I	
PHYS 645	Electronics for Scientists	
PHYS 646	Instrumentation for Scientists	3
Within the (	College	
Mathematic	•	
MATH 241	Analytic Geometry and Calculus A	
MATH 242	Analytic Geometry and Calculus B	4
MATH 243	Analytic Geometry and Calculus C	1
MATH 302	Ordinary Differential Equations	3
MATH 349	Elementary Linear Algebra	3
Natural Sci	ence	
CHEM 103	General Chemistry	4
CHEM 104	General Chemistry General Chemistry	4
CHEM 443	Physical Chemistry	
CHEM 444	Physical Chemistry	3
CHEM 457	Inorganic Chemistry	3
ELECTIVE	<b>S</b>	
	courses are completed, sufficient elective credits must be	
After required		
	the minimum credit requirement for the degree	7 - 1 <sub>121</sub>
taken to meet	the minimum credit requirement for the degree	130
taken to meet		130
taken to meet	the minimum credit requirement for the degree	130
CREDITS TO DEGREE: B	the minimum credit requirement for the degree  O TOTAL A MINIMUM OF	130
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DEGREE: B MAJOR: P CONCENT	the minimum credit requirement for the degree O TOTAL A MINIMUM OF	130
DEGREE: B MAJOR: P CONCENT CURRICULUM UNIVERSI	the minimum credit requirement for the degree  O TOTAL A MINIMUM OF	REDITS
DEGREE: B MAJOR: P CONCENT CURRICULUM UNIVERSITIES	the minimum credit requirement for the degree  O TOTAL A MINIMUM OF	REDITS
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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

towara araa	l introductory courses, for which some additional credit uation may be given with permission of the Physics chair.
PHYS 207 PHYS 208 PHYS 209 PHYS 306 PHYS 313 PHYS 419 PHYS 603 PHYS 6016 PHYS 621 PHYS 624 PHYS 645 PHYS 646 PHYS 646	Fundamentals of Physics I 4 Fundamentals of Physics II 4 Fundamentals of Physics III 3 Computational Methods of Physics 3 Physical Optics 4 Classical Mechanics I 3 Guantum Mechanics 3 Electricity and Magnetism I 3 Kinetic Theory and Thermodynamics 3 Fundamentals of Modern Physics I 3 Introduction to Solid State Physics 3 Electronics for Scientists 3 Instrumentation for Scientists 3 Modern Physics Laboratory 3
Within the	College
Mathemat MATH 241 MATH 242 MATH 243 MATH 302 MATH 349	Analytic Geometry and Calculus A 4 Analytic Geometry and Calculus B 4 Analytic Geometry and Calculus C 4 Ordinary Differential Equations 3 Elementary Linear Algebra 3
CHEM 103 CHEM 104	ience General Chemistry 4 General Chemistry 4
	ES d courses are completed, sufficient elective credits must be t the minimum credit requirement for the degree
	O TOTAL A MINIMUM OF 130
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MAJOR: I CURRICULU/ See page ! MATH 241 Mathemati ommended majors, un	PHYSICS EDUCATION  CREDITS  66 for University and College requirements. Note: Analytical Geometry and Calculus A satisfies the cs Skills College requirement and is strongly rec- il as the first math course for physics education less the placement exam suggests differently.  EQUIREMENTS
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Physics who have taken an introductory enquence other than PHVS 207.8

# **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. 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.

#### REQUIREMENTS FOR A MINOR IN PHYSICS

Students in other departments can receive credit for work in physics by means of a physics minor, consisting of PHYS 207-208 plus 9 credits from PHYS courses at or above the 300-level. 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**

Political science majors aquire 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 MAJOR: POLITICAL SCIENCE

CURRICULUM CREDITS
See page 56 for University and College requirements.
MAJOR REQUIREMENTS

Within the Department

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

at the 300 or 400-level.

- d. Public Administration and Public Policy
- e Political Theory

Political Science courses 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)

	n three courses at the 200-level can be counted toward the required for completion of the major.	
ELECTIVE		
	d courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS T	O TOTAL A MINIMUM OF	124
	BACHELOR OF ARTS POLITICAL SCIENCE EDUCATION	
CURRICULUA		CREDITS
	66 for University and College requirements.	
	EQUIREMENTS	
POSC 105	Department The American Political System	3
	dits distributed as follows:	. 18
Nine cred	its from courses at the 400-level; nine credits from courses or 400-level	
	st take at least one course numbered at the 300 or 400- of the five fields listed below: (Detailed list available in office )	
a America b Compa	on Government and Politics rative Government and Politics ional Relations	
	Administration and Public Policy	
Political Scien	nce courses POSC 302 Research Methods (Recommended)	9
No more than	n three courses at the 200-level can be counted toward the required for completion of the major.	
Within the 0	College	
ECON 151	Introduction to Microeconomics	3
GEOG 120	Introduction to Macroeconomics World Regional Geography	3
HIST 104	World History 1648 to Present	
Additional cre (Geograph	U.S. History 1865 to the Presentedits to total 27 with nine credits in each discipline	12
Professional	and the control of th	
EDST 201 EDST 304	Education in a Multicultural Society Educational Psychology - Social Aspects	3
EDST 305	Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects	3
HIST 491	Planning a Course of Instruction .  Seminar: Problems in Teaching History and Social Sciences	
HIST 493 EDST 420 EDDV 400	Reading in the Content Areas Student Teaching	1 9
To be eligible	to student teach, Political Science Education students must	
	of 3.0 in their major and an overall g.p a. of 2.75. Student t the teacher education program coordinator (see list on p.	ls.
127) to obtain	n the student teaching application and other information con nt teaching policies	
CREDITS TO	O TOTAL A MINIMUM OF	. 124
	ACHELOR OF ARTS RENCH, GERMAN, OR SPANISH/POLITICAL SC	IENCE
CURRICULUM		CREDITS
	6 for University and College requirements.	
=	QUIREMENTS	
designated co	an or Spanish/Political Science majors must complete all ourses and any prerequisite courses (e.g. for admission to language courses) with no grade below a C	
	Department of Political Science and International Rela	itions
POSC 105	The American Political System	3
POSC 240	(or other required intro courses) Introduction to International Relations	3
POSC 270	Comparative Politics	3
POSC 310. POSC 441	European Governments Problems of Western European Politics by Country	
or	Problems of Western European Politics	3

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		
Within the Department of Foreign Languages and Literatures		
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)		
French		
FREN 2xx, 3xx, 4xx (Prior to semester abroad; FREN 255 recommended) 6 FREN 3xx, 4xx 12 FREN 4xx (literature) (Newark campus only) 3		
GRMN 2xx, 3xx, 4xx (Prior to semester abroad; GRMN 255 recommended) 6 GRMN 3xx, 4xx 12 GRMN 4xx (literature) (Newark campus only) 3		
Spanish		
SPAN 2xx, 3xx, 4xx (Prior to semester abroad; SPAN 255 recommended) 6 SPAN 3xx, 4xx 12 SPAN 4xx (literature) (Newark campus only) 3		
The following courses taken abroad count toward the French, German, or Spanish/Political Science major:		
POSC 441		
French		
FREN 306 or FREN 406 FREN 308 FREN 355 or FREN 455		
HIST 339		
GRMN 306 or GRMN 406 GRMN 308		
GRMN 355 or GRMN 455		
HIST 339		
Spanish CRAN 407		
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 124		
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		

the program and recommendations for financial aid

#### 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

 ${f T}$  his interdepartmental program of study includes courses in political science, economics, history, sociology, anthropology, and geography. The student follows a curriculum that is specifically oriented toward gaining an understanding of the various problems arising among nations.

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. For information, contact Professor James K. Oliver, 304 Smith Hall (302) 831-1942.

## **DEGREE: BACHELOR OF ARTS** MAJOR: INTERNATIONAL RELATIONS

CURRICULUM **CREDITS** 

	CORRICULON		KEDII
	See page 5	66 for University and College requirements.	
MAJOR REQUIREMENTS Within the Departments			
		-	
	Anthropolo		,
		osen from the following courses:	c
	ANTH 222 ANTH 225	Technology and Culture	ر ع
	ANTH 230	Peasant Societies	
	ANTH 231	Peoples of the World Personality and Culture	J
	ANTH 255	Applied Anthropology	J
	ANTH 260	Applied Anthropology Sociocultural History of Africa	3
	ANTH 261	Peoples and Cultures of the Middle East	3
	ANTH 265	High Civilizations of the Americas	3
	ANTH 269	Early Civilizations of the Old World	3
	ANTH 325	Early Civilizations of the Old World Peoples of Europe	3
	ANTH 327	Peoples of the Caribbean	3
	ANTH 330	Development and Underdevelopment	3
	ANTH 333	Peoples of Africa	3
	anth 337	South American Indians	. :3
	ANTH 363	Women in Cross-Cultural Perspective	- 3
	ANTH 368	Anthropology of Slavery Culture of Food Production and Economic Development	3
	ANTH 370	Culture of Food Production and Economic Development	3
	ANTH 375	Peoples and Cultures of Modern Latin America	3
	ANTH 377	Ecological Anthropology Peoples and Cultures of Mexico and Central America	చ
	ANTH 380	reopies and Cultures of Mexico and Central America	د ک
	ANTH 401	The Idea of Race	
	Economics		_
	ECON 151	Introduction to Microeconomics: Prices and Markets	, 3
	ECON 152	Introduction to Macroeconomics: National Economy	3
	ECON 340	International Economics	
	Three credits	chosen from the following courses:	3
	ECON 305	Comparative Economic Systems. Economics of Developing Countries	3
	ECON 311	Economics of Developing Countries	3
	ECON 318	Economic History of France	
	ECON 341	Environment of Multinational Corporations	3
	ECON 405	The Planned Economies	د خ
	ECON 411	The Planned Economies  Economic Theory of Developing Countries International Monetary Economics	ა
	ECON 443	International Monetary Economics	J
	Geography		
	Three credits	chosen from the following courses:	3
	GEOG 102	Human Geography	3
	GEOG 120	World Regional Geography	3
	GEOG 203	Introduction to Cultural Geography	3
	GEOG 210	Economic Geography	3
	GEOG 226	Geography of Latin Ámerica	პ
	GEOG 227	Historical Geography of Europe	ა
	GEOG 236	Conservation: Global Issues	د3
	GEOG 460	Women in International Development	J
	History		
	Six credits cho	osen from the following courses: Western Civilization to 1648	6
	HIST 101	Western Civilization to 1648	3
	HIST 102	Western Civilization 1648 to the Present	3
	HIST 134	History of Africa	3
	HIST 135	Introduction to Latin American History	3
	HIST 137	East Asian Civilization: China	3

HIST 138	East Asian Civilization: Japan	3
HIST 210	War and Society 3 The Jewish Holocaust: 1933-1945 3	3
HIST 264	The World in Our Time 3	3
HIST 302 HIST 306	History of American Foreign Policy	)
HIST 330	Peasants and Revolution in Africa 3	
HIST 334	History of Mexico	
HIST 351	Europe in Crisis: 1919-1945 3	}
HIST 352	Contemporary European Society 3	3
HIST 357	Russian History to 1801	}
HIST 358	Russian History: 1801-1917	3
HIST 359	Soviet Russia: 1917-1990	3
HIST 364	Germany in the Twentieth Century: 1914 to Present	3
HIST 368	Modern China 1600-1920s	3
HIST 369	China Since 1900	5
HIST 373 HIST 374	History of England to 1715	) }
HIST 375	History of England: 1715 to the Present 3	?
HIST 376	English Legal and Constitutional History 3	ì
HIST 392	History of Modern Japan 3	
HIST 393	History of Modern Vietnam 3	3
HIST 394	Africa Since 1960	}
HIST 395	Pan Africanism 3	}
HIST 397	History of South Africa	} .
HIST 430	Twentieth-Century Latin American Revolutions 3	}
HIST 440	Africa Under Colonial Rule	
HIST 474	Studies in English History 3 Seminar in Modern European History 3	\$ ·
HIST 475 HIST 477	Studies in Latin American History	). !
HIST 479	Studies in Asian History 3	,
Political Sci		
POSC 240	Introduction to International Relations 3	
^		
	chosen from the following courses:	
POSC 270	Comparative Politics	
POSC 310	European Governments 3	
POSC 311 POSC 312	Politics of Developing Nations 3 East Asian Political Systems 3	
POSC 312	American Foreign Policy 3	l
POSC 314	Making United States Foreign Policy 3	l
POSC 333	Communism, Fascism and Democracy 3	
POSC 334	Liberalism and Conservatism	,
POSC 341	Environment of Multinational Corporations 3	}
POSC 365	Model United Nations	
POSC 372	East Central European Politics	
POSC 377	Arab-Israeli Politics	
POSC 408 POSC 409	Contemporary Problems of World Politics 3	,
POSC 412	Foreign Policy of the Post-Soviet Union 3	
POSC 414	Problems in American Foreign Policy 3	ì
POSC 415	Force and World Politics	
POSC 416	Transnational Relations and World Politics 3	Ĺ
POSC 426	Latin American Political Systems	
POSC 427	Politics in China	
POSC 428	Politics in Japan.	
POSC 431	Latin American Politics: Countries 3 Political Systems of the Post-Soviet Union 3	
POSC 432 POSC 433	African Politics 3	
POSC 441	Problems of Western European Politics by Country. 3	
POSC 442	Problems of Western European Politics 3	
POSC 443	China and the World	
POSC 444	Seminar in World Politics 3	
POSC 445	Human Rights and World Politics	
POSC 448	Theories of International Relations 3	
POSC 450	Problems of Latin American Politics 3	
POSC 463	International Institutions 3	
POSC 465 POSC 477	Model OAS 3 Politics of the Arab World 3	
POSC 604	International Law 3	
POSC 640	International Development Policy and Administration 3	
POSC 651	Communist Political Thought 3	
Sociology		
SOCI 201	Introduction to Sociology	
	chosen from the following courses: 3 Population Problems 3	
SOCI 210 SOCI 306	Personality and Society 3	
SOCI 300	Personality and Politics 3	
SOCI 360	Sociology of Religion 3	
SOCI 361	Race, Power and Social Conflict	
SOCI 380	Development and Modernization 3	
SOCI 460	Women in International Development 3	
3OC1 400		

Other			
Three credits	chosen from the following courses:	3	
	cluded in the previous listing		
Literature cour	rse in a foreign area	3	
STAT 201	Introduction to Statistics I	3	
PHIL 102	Introduction to Philosophy	3	
PHIL 201	Social and Political Philosophy	3	
PHIL 202	Contemporary Moral Problems	3	
PHIL 204	World Religions	3	
PHIL 309	Indian Religion and Philosophy	3	
PHIL 310	Chinese Religion and Philosophy	3	
Course in a se	econd foreign language	3	
ARSC 127	Shaping of the Modern World	3	
FREC 410	International Agricultural Trade and Marketing		
FREC 420	Agriculture in Economic Development	3	
ELECTIVE	$\mathbf{s}$		
After required courses are completed sufficient elective credits must be taken to meet the minimum credit requirement for the degree			
CREDITS TO	O TOTAL A MINIMUM OF 12	4	

## **PSYCHOLOGY**

Psychology is a biological, behavioral, social, and applied science, whose theories are integral to an understanding of ourselves and our place in the world

The Department of Psychology provides 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.

In addition to a B.A. degree with a major in psychology, an interdepartmental major between psychology and biology with an emphasis on neuroscience is also available. 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.

# DEGREE: BACHELOR OF ARTS MAJOR: PSYCHOLOGY

WB-5-0101-01-01		
CURRICULUM	CREDITS	
See page 56 for University and College requirements.		
MAJOR REQUIREMENTS		
Within the Department		
PSYC 201 General Psychology	<b>3</b>	
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	3	
PSYC 415 must be taken after the student has completed the 300-		
level course requirements		

One of the following four courses:  PSYC 301 Personality 3  PSYC 303 Introduction to Social Psychology 3  PSYC 325 Child Psychology 3  PSYC 334 Abnormal Psychology 3
One of the following four courses:  PSYC 350 Developmental Psychology 3  PSYC 370 Research in Personality 3  PSYC 380 Psychopathology 3  PSYC 390 Social Psychology 3  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.         3           PSYC 312         Learning and Motivation.         3           PSYC 314         Brain and Behavior.         3           PSYC 340         Cognition.         3
Two courses at or above the 400-level 6 however, PSYC 466 and 468 may not be used to fulfill this requirement. Three credits of any Psychology course 3 (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 124
DEGREE: BACHELOR OF ARTS MAJOR: PSYCHOLOGY EDUCATION
CURRICULUM CREDITS
See page 56 for University and College requirements.
MAJOR REQUIREMENTS
Within the Department
PSYC 201 General Psychology
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 3 PSYC 415 must be taken after the student has completed the 300- level course requirements
One of the following four courses:           PSYC 301         Personality         3           PSYC 303         Introduction to Social Psychology         3           PSYC 325         Child Psychology         3           PSYC 334         Abnormal Psychology         3
One of the following four courses:  PSYC 350 Developmental Psychology 3  PSYC 370 Research in Personality 3  PSYC 380 Psychopathology 3  PSYC 390 Social Psychology 3  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 3  PSYC 312 Learning and Motivation 3  PSYC 314 Brain and Behavior 3

however, PSYC 466 and 468 may not be used to fulfill this requirement.

Three credits (except PS	of any Psychology course YC 301, 303, 325 and 334)		. 3
Within the	College	. *	
its in each de Anthropology Economics of Geography of History cours Political Scier Sociology co	redits in the following social sciences with at least the partment: / course		3 3 3
Professiona	l Studies		
EDST 201 EDST 304 EDST 305 HIST 491 HIST 493 EDST 420 EDDV 400	Education in a Multicultural Society Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects Planning a Course of Instruction Seminar: Problems in Teaching History and Social Reading in the Content Areas Student Teaching	Sciences	. 3 . 3 . 3
To be eligible	to student teach, Psychology Education students mu	st 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. 127) 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

#### 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 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 Alan Fox, Department of Philosophy, 831-8077, or email at AFOX@BRAHMS.UDEL EDU.

# **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 comcentrations in Social Welfare, Health Care, Law and Society, and Data Analysis that combine course work with a five-week internship in an organization related to the sudent's specialization.

Field Experience: One important feature of the program is a field experience in the applied urban studies, social welfare, health services, law and society, and data analysis 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 Program

- 1 While all students will receive a B.A. degree in sociology, this program provides preprofessional training within selected areas of the student's choice.
- 2 The program offers future job-related experience with academic supervision and for academic credit.
- 3 It includes certification of these concentrations by the department, which may be beneficial in obtaining employment.
- 4. It offers increased flexibility for the student by allowing choices among various focused, directed concentrations.

#### **DEGREE: BACHELOR OF ARTS MAJOR: SOCIOLOGY CREDITS** See page 56 for University and College requirements. MAJOR REQUIREMENTS Within the Department SOCI 201 Introduction to Sociology SOCI 301 Introduction of Sociological Research 3 SOCI 312 Theories of Society Seven Sociology courses 21 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) Within the College Five courses in related subjects chosen in consultation with the advisor, normally from among the following departments: Economics, Black American Studies, Criminal Justice, Geography, History, Philosophy, Political Science and International Relations, Psychology, and Statistics After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree COPPUTE TO TOTAL A MINIMALIM OF

MAJOR:	BACHELOR OF ARTS SOCIOLOGY TRATION: PREGRADUATE WORK	
CURRICULL		CREDITS
See page	56 for University and College requirements.	
MAJOR F	EQUIREMENTS	
Within the	Department	
SOCI 201 SOCI 301 SOCI 312 Two Sociolo	Introduction to Sociology Introduction of Sociological Research Theories of Society gy courses at the 600-level	3

SOCI 605 Data Collection	SOCI 310 Sociology of Health Care
or	SOCI 311 Hospitals
SOCI 612 Development of Sociological Theory 3	SOCI 312 Theories of Society.
Any four additional Sociology courses.	And five additional Sociology courses
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 direct-	social work)
ed study courses (466)	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
Within the College	study courses (466)
Statistics course	SOCI 410 Health Services Practicum and Seminar 4
Four courses from Group C chosen with the approval of the	This course is required but does not count as part of the thirty Sociology credits for the major.
ELECTIVES	Related Work
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree	Eleven additional credits of related work are required and
· · · · · · · · · · · · · · · · · · ·	offering courses filling the needs of health concentration students
CREDITS TO TOTAL A MINIMUM OF 124	include Anthropology, Business Administration, Center for Science
	and Culture, Economics, Individual and Family Studies, Philosophy,
DEGREE: BACHELOR OF ARTS	Psychology, and Women's Studies
MAJOR: SOCIOLOGY	ELECTIVES
CONCENTRATION: SOCIAL WELFARE	After required courses are completed, sufficient elective credits must be
CURRICULUM CREDITS	taken to meet the minimum credit requirement for the degree
See page 56 for University and College requirements.	CREDITS TO TOTAL A MINIMUM OF 124
MAJOR REQUIREMENTS	
Within the Department	
SOCI 201 Introduction to Sociology	DEGREE: BACHELOR OF ARTS
SOCI 301 Introduction of Sociological Research 3	MAJOR: SOCIOLOGY
SOCI 312 Theories of Society 3	CONCENTRATION: LAW AND SOCIETY
SOCI 341 Welfare and Society	CURRICULUM CREDITS
SOCI 348 Theories of Social Work Practice	See page 56 for University and College requirements.
Any five courses in Sociology, the following are recommended 15 SOCI 202 Social Deviance 3	MAJOR REQUIREMENTS
SOCI 202 Social Deviation Social Soci	Within the Department
SOCI 303 Juvenile Delinquency	SOCI 201 Introduction to Sociology
SOCI 304 Criminology	SOCI 301 Introduction of Sociological Research 3
SOCI 305 Social Class and Inequality 3 SOCI 308 The Family 3	SOCI 312 Theories of Society 3 SOCI 345 Sociology of Law 3
SOCI 346 Sociology of Aging 3	SOCI 456 Lawyers and Society 3
SOCI 361 Race, Power and Social Conflict	Any five other courses in Sociology
SOCI 448 Community Based Treatment 3	Suggested courses for the study of family/gender include:
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	SOCI 202 Social Deviance 3
study courses (466)	SOCI 213 Men and Women in American Society 3
SOCI 441 Social Welfare Practicum and Seminar. 4	SOCI 303         Juvenile Delinquency         43           SOCI 308         The Family         3
This course is required but does not count as part of the thirty Sociology	SOCI 330 Population, Law and Society
credits for the major	SOCI 407 Sociology of Sex and Gender
Related Work	Suggested courses in the organization/work area:
Eleven additional credits of related work are required and may include	SOCI 327 Sociology of Organizations 3
the following:	SOCI 330 Population, Law and Society 3 SOCI 355 Computers, Ethics and Society 3
POSC 411 Politics and Poverty 3 PSYC 301 Personality 3	SOCI 428 Corporate Crime 3
PSYC 322 Psychology of Adjustment 3	SOCI 450 Political Sociology 3
PSYC 325 Child Psychology 3	No more than 12 credits at the 200-level. At least 6 credits must be at
PSYC 334 Abnormal Psychology 3	the 400-level or higher, but cannot be fulfilled with 400-level directed
EDCE 334 Experiential Education	study courses (466)
of	SOCI 495 Law and Society Practicum and Seminar 4
Other courses chosen with the approval of the advisor.	This course is required but does not count as part of the thirty Sociology credits for the major
ELECTIVES	•
After required courses are completed, sufficient elective credits must be	Related Work
taken to meet the minimum credit requirement for the degree	Twelve credits from the following courses are recommended: 12 CRJU 320 Introduction to Criminal Law 3
	CRJU 347 The Jury: Guilty or Not Guilty 3
CREDITS TO TOTAL A MINIMUM OF 124	CRJU 357 Seminar on the Police
	CRJU 425 Criminal Law and Social Policy
DEGREE: BACHELOR OF ARTS	CRJU 4xx Contemporary Debates 3 POSC 402 Civil Liberties I 3
MAJOR: SOCIOLOGY	POSC 402 Civil Liberties I 3 POSC 404 The Judicial Process 3
CONCENTRATION: HEALTH SERVICE	POSC 405 Constitutional Law of the U.S.
CURRICULUM CREDITS	POSC 406 Civil Liberties II
See page 56 for University and College requirements.	PHIL 201 Social and Political Philosophy 3
MAJOR REQUIREMENTS	PHIL 446         Philosophy of Law         3           HIST 301         The Worker in American Life         3
Within the Department	HIST 309 U.S. Business and Political Economy 3
SOCI 201 Introduction to Sociology	A second writing course in any department
SOCI 301 Introduction of Sociological Research	A course in oral communication is suggested 3

	ES  d courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS T	O TOTAL A MINIMUM OF	124
MAJOR: S	BACHELOR OF ARTS BOCIOLOGY TRATION: DATA ANALYSIS	
CURRICULUA		CREDITS
	66 for University and College requirements.	CKEDITO
	EQUIREMENTS	
1.0	Department	
SOCI 201 SOCI 301 SOCI 312	Introduction to Sociology Introduction of Sociological Research Theories of Society	
SOCI 401 SOCI 411 SOCI 414	Advanced Sociological Methods Techniques of Demographic Analysis Data Analysis	3
No more that	or courses in Sociology n 12 credits at the 200-level. At least 6 credits must be at or higher, but cannot be fulfilled with 400-level directed is (466)	15
	Practicum e is required but does not count as part of the thirty-three credits for the major.	4
Related Wo		. e
STAT 201 STAT 202	Introduction to Statistics I. Introduction to Statistics II.	
GEOG 250 GEOG 470 PHIL 245 PHIL 320 ECON 422	nal credits chosen from the following:  Computer Methods in Geography  Computer Cartography  Ethical Issues in Scientific Research  Theory of Knowledge  Econometric Methods and Models I	3 3
STAT 418 STAT 420	Sampling Methods Data Analysis and Nonparametric Statistics	3
ELECTIVE		
taken to meet	d courses are completed, sufficient elective credits must be the minimum credit requirement for the degree	
CREDITS T	O TOTAL A MINIMUM OF	124
	BACHELOR OF ARTS OCIOLOGY EDUCATION	
CURRICULUM	<b>1</b> -	CREDITS
	6 for University and College requirements. EQUIREMENTS	
Within the I		
SOCI 201 SOCI 301 SOCI 312	Introduction to Sociology Introduction of Sociological Research Theories of Society Ogy Courses	
No more than	on 12 credits at the 200-level. At least 6 credits must be at or higher, but cannot be fulfilled with 400-level directed	<b>4.</b>
Related Wor	rk	
least three Anthropology	redits in the following social sciences with at credits in each department course	3
Geography course	ourse  ourse  cocourse  cocourse  General Psychology	3 3
	l credits selected from the departments listed above	6
Professional	Studies	
EDST 201 EDST 304 EDST 305	Education in a Multicultural Society Educational Psychology – Social Aspects Educational Psychology – Cognitive Aspects	3
EDST 420	Reading in the Content Areas	1

HIST 491 HIST 493 EDDV 400	Planning a Course of Instruction
g.p.a. of 3.0 consult the te	to student teach, Sociology Education students must have a in their major and an overall g.p a of 2.75. Students should acher education program coordinator (see list on p. 127) to dent teaching application and other information concerning ing policies.

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

#### 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 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 if their overall cumulative average at the University of Delaware is at least 2.3.

	BACHELOR OF ARTS RIMINAL JUSTICE	
CURRICULUA	<b>A</b>	CREDITS
See page 5	6 for University and College requirements.	
MAJOR RI	EQUIREMENTS	
Within the		
CRJU 110 CRJU 201 CRJU 202 CRJU 203 Criminal Justi		3
Within the		
SOCI 201 SOCI 301 POSC 105 PSYC 201	Introduction to Sociology Introduction of Sociological Research The American Political System General Psychology	
One of the for PSYC 301 PSYC 303 PSYC 325 PSYC 334	Illowing four courses: Personality Introduction to Social Psychology Child Psychology Abnormal Psychology	3
One of the fo POSC 402 POSC 405 POSC 406	llowing three courses: Civil Liberties I Constitutional Law of the United States Civil Liberties II	
	S d courses are completed sufficient elective credits must be the minimum credit requirement for the degree	

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

# DOUBLE MAJOR OR INTERDEPARTMENTAL MAJOR

**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)

## **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

CURRICULUA	MEATRE PRODUCTION	CREDITS
See page 5	56 for University and College requirements.	
MAJOR RI	EQUIREMENTS	
Within the	Department	
THEA 102 THEA 104 THEA 200 THEA 202 THEA 203 THEA 407	Introduction to Performance Introduction to Theatre Introduction to Theatre Production Introduction to Theatre Design Introduction to Costuming for the Stage Theatre Practicum for Majors	3 3 3
Select two this in THEA 407 credits applied THEA 300 THEA 302 THEA 305	Fundamentals of Stage Lighting	Jm 3
ENGL 208 ENGL 324 or	om the following: Introduction to Drama	
ELECTIVE	, ,	
After required to meet the mi	ES I courses are completed, sufficient elective credits must be take inimum credit requirement for the degree Additional credits in y 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

	18
	6
el	
Acting	
	Actingel

# **WOMEN'S STUDIES**

The Women's Studies Interdisciplinary Program is designed to foster in students a knowledge of the rich heritage, challenges, and concerns of women. 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 so doing, the lives of racially and ethnically diverse men and women are examined in new and more humanistic ways, enhancing an awareness of the interplay of gender, race, and class.

This program offers introductory core courses, upper-division courses, seminars, and colloquia. An internship is also available which provides students an opportunity to integrate what they have learned in the classroom with the practical competencies which can only be gained from actual experience. Both the courses and the internship introduce and analyze areas of scholarship and knowledge which have largely been excluded from conventional disciplines

Students may enter the program at any time. No minimum grade point average is required to begin, but students must not be on probation at the time To join the program, students need the permission of the director, who must also approve any waiver or substitution of requirements

# DECREE PACHELOD OF ARTS

MAJOR: WOMEN		
CURRICULUM		CREDITS
See page 56 for Ur	niversity and College requirements.	
MAJOR REQUIRE	MENTS	
Within the Departm	ent	
Introductory Course	e <i>s</i>	
WOMS 201 WOMS/PHIL 216	Introduction to Women's Studies Introduction to Feminist Theory	
Distribution Requir	ements – Humanities	
humanities departme cross-listed with WO WOMS 242/ARTH 24	O Women and Art	: 3
WOMS/FINE 210 WOMS/ENGL 214		
WOMS/EDST/HIST 29	PO History of Women and Education	3
WOMS/ARSC 293	Honors Short Course	1
WOMS/HIST 300	Women in American History	3
WOMS/ENGL 318	Studies in Film	3
WOMS/POSC 323	Introduction to Women and Politics	
WOMS/FLLT 324	Topics: French Literature in Translation	
WOMS/FLLT 325	Topics: German Literature in Translation	
WOMS/FLLT 326	Topics: Hispanic Literature in Translation	
WOMS/FLLT 330	Varying Authors, Themes, and Movements	3
WOMS/PHIL 338	Topics in Philosophy and Gender	3
WOMS/ENGL 380	Women Writers	3
WOMS/ENGL 381	Women in Literature	3
WOMS/ENGL 382	Studies in Multicultural Literature in English	J
WOMS/HIST 409	Varieties of Modern Feminism	
WOMS/POSC 413	Problems in American Government	
WOMS/ENGL 465	Studies in Literature Genres, Types, and Movements	
WOMS/HIST 473	Studies in Early Modern European History	
WOMS/ENGL 480	Seminar	

Social Sciences		
Six credits in Women's departments chosen for WOMS 401/IFST 401 WOMS/SOCI 206 WOMS/SOCI 211 WOMS/LING 222 WOMS 240 WOMS/SOCI 213	Foundations of Human Sexuality Women and Work Men, Conflict, and Social Change Language and Gender Women and Violence Men and Women in American Society	3 3 3
WOMS/PSYC 333 WOMS/CRU 350 WOMS/ANTH 363 WOMS/SOCI 415 WOMS/IFST 430 WOMS/SOCI/GEOG/	Sociology of Sex and Gender Psychology of Women Women and Criminal Justice Women in Cross-cultural Perspective Race, Class, and Gender Teaching Family Life //FST 460 Women in International Development Sociology of Sex and Gender	3 3 3 3 3 3 3
WOMS/CSCC 233	I <b>rses</b> science-related courses chosen from the following lis Women, Biology, and Medicine The Evolution of Human Sex Roles and Reproduction	3
Women's Studies Ele Nine additional credits i with Women's Studies courses listed under V	· · · · · · · · · · · · · · · · · · ·	_
	re completed, sufficient elective credits must be um credit requirement for the degree.	
CHENITE TO TOTAL	A ANNUALISM OF	124

REQUIREMENTS FOR A MINOR IN WOMEN'S STUDIES
A minimum of 18 credit hours is required, which must include the following:
CREDITS
WOMS 201 Introduction to Women's Studies
Note: No more than 9 credits may be taken in any one department. No more than 6 credits in WOMS experimental courses (x67-numbered) may be counted toward the 18-credit requirement

A minimum grade of C- is required in each course.