

DEPARTMENT OF AFRICAN AMERICAN STUDIES

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<http://www.uic.edu/las/afam/aasthome.html>
 Administration: Head, Paul Tiyambe Zeleza
 Associate Head and Director of Undergraduate Studies,
 Cynthia Blair

African American Studies, a comprehensive study of the African American people's experience, combines the approaches of the humanities and the social sciences. Students may take African American Studies to enhance their knowledge and/or pursue it as a major to provide a well-rounded approach to understanding problems through the African American example. The major also imparts skills in critical thinking, research methods, theory building, analysis, and written and oral expression.

Training in African American Studies is useful for graduate work in literature, American studies, law, history, sociology, social work, government, business, journalism, and employment in the public sphere.

BA with a Major in African American Studies

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of African American Studies degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in African American Studies Degree Requirements	Hours
Major Requirements	33
General Education and Electives to reach Minimum Total Hours	87
Minimum Total Hours—BA with a Major in African American Studies	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Major Requirements

Courses	Hours
AAST 100—Introduction to African American Studies ^{ab}	3
One 100- or 200-level humanities course: ^c	3
AAST 105—African Americans in Film 1900–Present: Images, Individuals, and Ideas on Screen (3)	
AAST 110 —Introduction to African American Literature, : 1760–1910 (3)	
AAST 111—Introduction to African American Literature : since 1910 (3)	
AAST 191—African and Caribbean Francophone Literature: in Translation (3)	
AAST 212—Techniques of African American Creative Writing (3)	
AAST 250—Comparative Black Literatures (3)	
AAST 261—Reading Black Women Writing (3)	
AAST 262—Black Cultural Studies (3)	
AAST 263—African American Intellectual History (3)	
AAST 265—The Harlem Renaissance (3)	

One 100- or 200-level social science course:^d

AAST 103—African American Politics and Culture (3)	
AAST 104—Race, Place, and Schooling: African Americans and Education (3)	
AAST 120—African American Religious Traditions (3)	
AAST 141—African Civilization (3)	
AAST 200—History of Race Relations in America (3)	
AAST 201—The Psychology of African Americans (3)	
AAST 202—African American Behavioral Patterns (3)	
AAST 203—The African American Family in the United States (3)	
AAST 225—Racial and Ethnic Groups (3)	
AAST 241—Precolonial Africa (3)	
AAST 242—Modern Africa (3)	
AAST 245—Politics and Government of Africa (3)	
AAST 249—Black Freedom Movements in the U.S. (3)	
AAST 251—African American and the Law to 1854	
AAST 252—African Americans and the Law since 1954 (3)	
AAST 258—Race and Urban Life (3)	
AAST 271—African Americans and the Politics of Incarceration (3)	
AAST 272—Race, Gender, and Sexuality (3)	
AAST 206—Interdisciplinary Research Methods in African American Studies	3
AAST 247—African American History to 1877	3
AAST 248—African American History since 1877	3
AAST 340—Advanced Interdisciplinary Seminar in African American Studies ^d	3
AAST 390—Senior Seminar in African American Studies	3

An additional 9 hours of credit in African American studies courses selected in consultation with a departmental advisor and distributed in the following way:

200- or 300-level: at least 6 hours ^e	
400-level: at least 3 hours	9
Total Hours—Major Requirements:	33

^a is course is approved for the *Understanding the Individual and Society General Education* category.

^b is course is approved for the *Understanding U.S. Society General Education* category.

^c Students should consult *General Education* section of the catalog to determine which of the following courses are approved *General Education* courses.

^d AAST 340 fulfills the *Writing-in-the-Discipline* requirement.

^e Students wishing to substitute 400-level courses for those at the 200- or 300-level may do so with the permission of the department.

Recommended Plan of Study

To view a recommended plan of study for the major in African American Studies, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in African American Studies

Students from other disciplines who want to minor in African American Studies must complete 18 semester hours as outlined below.

Required Courses—African American Studies Minor	Hours
AAST 100—Introduction to African American Studies	3
One 100- or 200-level humanities course:	3
AAST 105—African Americans in Film 1900–Present: Images, Individuals, and Ideas on Screen (3)	
AAST 110—Introduction to African American Literature, 1760–1910 (3)	
AAST 111—Introduction to African American Literature since 1910 (3)	
AAST 191—African and Caribbean Francophone Literature in Translation (3)	
AAST 212—Techniques of African American Creative Writing (3)	
AAST 250—Comparative Black Literatures (3)	
AAST 261—Reading Black Women Writing (3)	

AAST 262—Black Cultural Studies (3)	
AAST 263—African American Intellectual History (3)	
AAST 265—The Harlem Renaissance (3)	
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One 100- or 200-level social science course:	3
AAST 103—African American Politics and Culture (3)	
AAST 104—Race, Place, and Schooling: African Americans and Education (3)	
AAST 120—African American Religious Traditions (3)	
AAST 141—African Civilization (3)	
AAST 200—History of Race Relations in America (3)	
AAST 201—The Psychology of African Americans (3)	
AAST 202—African American Behavioral Patterns (3)	
AAST 203—The African American Family in the United States (3)	
AAST 225—Racial and Ethnic Groups (3)	
AAST 241—Precolonial Africa (3)	
AAST 242—Modern Africa (3)	
AAST 245—Politics and Government of Africa (3)	
AAST 249—Black Freedom Movements in the U.S. (3)	
AAST 251—African Americans and the Law to 1954 (3)	
AAST 252—African Americans and the Law since 1954 (3)	
AAST 258—Race and Urban Life (3)	
AAST 271—African Americans and the Politics of Incarceration (3)	
AAST 272—Race, Gender, and Sexuality (3)	

One of the following courses:	3
AAST 247—African American History to 1877 (3)	
AAST 248—African American History since 1877 (3)	
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Two additional African American Studies courses, one at the 300-level and one at the 400-level, chosen in consultation with a departmental advisor.	6
Total Hours—African American Studies Minor	18

Distinction

To be considered for Departmental Distinction, students must have a cumulative GPA of 3.25/4.00, a GPA of 3.50/4.00 in all African American studies courses, and meet all course requirements for a major in African American Studies.

To be eligible for High or Highest Distinction, the student must have a grade point average of 3.75/4.00 in all African American studies courses. In addition, eligible students must submit a final project for departmental review that demonstrates excellent work and must make a seminar presentation on this project to a session of African American Studies majors and faculty. The determination of high or highest distinction will be made by the faculty on the basis of the grade point average, the project, and the presentation.

DEPARTMENT OF ANTHROPOLOGY

2102 Behavioral Sciences Building (BSB)
(312) 413-3570

<http://www.uic.edu/depts/anth/anthro.htm>

Administration: Head, John D. Monaghan

Director of Undergraduate Studies, Anthropology:

Joel W. Palka, jpalka@uic.edu

Director of Undergraduate Studies, Geography:

John D. Monaghan, monaghan@uic.edu

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Joel W. Palka, jpalka@uic.edu

Anthropology is the study of human cultural and biological diversity over time and space. The expertise of the faculty affords students the opportunity to pursue interests in most of the major time periods and geographic areas of the world.

An undergraduate education in anthropology provides valuable preparation for many careers that involve working with individuals of diverse national or ethnic backgrounds. Undergraduate majors have found careers in healthcare services, social case work, cultural resource management,

museum education, public housing, employment and personnel counseling, public office, the Peace Corps, field archaeology, import businesses, market research, the Foreign Service, and social and environmental planning.

BA with a Major in Anthropology

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Anthropology degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Anthropology

Degree Requirements	Hours
Major Requirements	35–36
General Education and Electives to reach Minimum Total Hours	84–85
Minimum Total Hours—BA with a Major in Anthropology	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Major Requirements

Courses	Hours
ANTH 101—World Cultures: Introduction to Social Anthropology ^{ab}	3
ANTH 102—Introduction to Archaeology ^{ac}	4
ANTH 105—Human Evolution ^{de}	4

One course in physical anthropology from the following:^f

ANTH 231—Fossil Humans (4)	4
ANTH 235—Biological Bases and Evolution of Human Behavior (4)	4
ANTH 237—The Human Skeleton (4)	4
ANTH 238—Biology of Women (3)	3

One course in archaeology from the following:

ANTH 220—Method and Theory in Archaeology (3)	3
ANTH 221—Old World Archaeology I (3)	3
ANTH 222—Hunter-Gathers, Farmers, and Herders (3)	3
ANTH 226—Archaeology of North America (3)	3
ANTH 227—Ancient Civilizations of Mexico and Central America (3)	3
ANTH 228/LALS 259—Ancient Civilizations of South America (3)	3

One course in ethnography chosen from the following:^f

ANTH 270—The First Americans (3)	3
ANTH 271—American Indian Religion and Philosophy (3)	3
ANTH 272—North American Indians (3)	3
ANTH/GEOG 273—Ethnography of Southeast Asia (3)	3
ANTH 274—Ethnography of Africa (3)	3
ANTH 275/LALS 255—South American Indians (3)	3
ANTH 276—Pacific Island Cultures (3)	3
ANTH 277/LALS 270—Ethnography of Mesoamerica (3)	3
ANTH 278/LALS 272—Brazil: A Multiethnic Society (3)	3
ANTH/ASST 279—South Asian Cultures and Societies (3)	3
ANTH/ASST 280—China and Japan: Society and Culture (3)	3
ANTH 281—Ethnography of North Africa and the Middle East (3)	3

ANTH 309—Writing Culture^g 3

Four additional anthropology courses, at least two of which must be at the 300- or 400-level 12

Total Hours—Major Requirements 35–36

^a is course is approved for the *Exploring World Cultures General Education* category.

^b is course is approved for the *Understanding the Individual and Society General Education* category.

^c is course is approved for the *Understanding the Past General Education* category.

^d is course is approved for the *Analyzing the Natural World General*

Education category.

^e is course is approved for the Understanding the Past General Education category.

^f Students should consult General Education section of the catalog to determine which of the following courses are approved General Education courses.

^g ANTH 309 fulfills the Writing-in-the-Discipline requirement.

Courses for the major are chosen in consultation with the department's program advisor. A major interested in a sub-discipline of anthropology (social, physical, archaeological, or linguistic) must arrange a suitable program of electives with an advisor.

Recommended Plan of Study

To view a recommended plan of study for the major in Anthropology, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Anthropology

Students from other disciplines who want to minor in Anthropology must complete 20 semester hours as outlined below. Courses for the minor are chosen in consultation with the department's program advisor.

Required Courses—Anthropology Minor	Hours
ANTH 101—World Cultures: Introduction to Social Anthropology	3
ANTH 102—Introduction to Archaeology	3
ANTH 105—Human Evolution	5
Three additional courses at the 200-, 300-, or 400-level	9
Total Hours—Anthropology Minor	20

Distinction in Anthropology

To be considered for distinction, a candidate must have a 3.00/4.00 cumulative GPA and meet all the requirements for a major in Anthropology, plus the following:

- 3.50/4.00 GPA in the major for **Distinction**
- 3.75/4.00 GPA in the major for **High Distinction**
- 3.75/4.00 GPA in the major and satisfactorily complete a thesis in ANTH 390—Honors Research for **Highest Distinction**. This course involves the preparation of an honors research paper, under the supervision of a faculty member of the student's choosing, and its acceptance by a three-member honors committee especially constituted for this purpose.

Minor in Geography

Geography studies the connections among people, places, and environments. The minor gives students a sound foundation in geography as a research-oriented and policy-related field of study. The minor also offers students the opportunity to acquire a variety of techniques and skills necessary to understand the spatial dimension of human changes in the physical earth, and to identify and analyze urban problems.

Geography as a discipline prepares students for a wide variety of employment opportunities in the public and private sectors, including careers in the fields of planning, transportation, real estate and industrial development, publishing, banking, marketing, and resource management.

Students planning to declare a minor in Geography should consult the director of undergraduate studies in geography or a department academic advisor.

Minor Requirements

Students from other disciplines who want to minor in Geography must complete 18–21 semester hours as outlined below.

Required Courses—Geography Minor	Hours
GEOG 100—Concepts in Geography	3
One additional 100-level course	3

One regional, urban, or topics course from the following:

GEOG 101—World Regional Geography (3)	3
GEOG 202—Geography of the United States and Canada (3)	
GEOG 207/ANTH 227/LALS 258—Ancient Civilizations of Mexico and Central America (3)	
GEOG/ANTH 273—Ethnography of Southeast Asia (3)	
GEOG 401—Topics in Regional Geography (3)	
ANTH 228—Ancient Civilizations of South America (3)	
ANTH 274—Ethnography of Africa (3)	
ANTH 277—Ethnography of Mesoamerica (3)	
GEOG 211—Chicago: An Urban Geography (3)	
GEOG 215—A Global Geography of Cities (3)	
GEOG 141—Environmental Geography (3)	
GEOG 151—Introduction to Cultural Geography (3)	
GEOG 161—Introduction to Economic Geography (3)	
GEOG 241—Resource Problems in the United States (3)	
GEOG 432/ANTH 421—Geomorphology and Archaeology (3)	
GEOG 441—Topics in Resource Management and Policy (3)	
GEOG/ANTH 453—Seminar in Cultural Ecology (3)	
GEOG/ANTH 455—Quantitative Methods in Anthropology (3)	
GEOG 464—Geographic Modeling of Transportation Systems (3)	

One methods course from the following:

GEOG 175—The Making of Maps (4)	3–4
GEOG/ANTH 386—Elements of Spatial Analysis (3)	
GEOG/ANTH 425—Field Techniques in Archaeology (4)	
GEOG/ANTH 426—Laboratory Techniques in Archaeology (4)	
GEOG 475—Thematic Cartography (4)	
GEOG/ANTH 477—Remote Sensing of the Environment (3)	
GEOG/ANTH 481—Geographic Information Systems I (4)	
GEOG/ANTH 482—Geographic Information Systems II (4)	
GEOG/ANTH 483—Geographic Information Systems III (4)	
GEOG 484—Qualitative Methods in Geographic Research (3)	
GEOG 486—Analysis of Geographic Patterns (4)	
GEOG/ANTH 496—Internship (3)	

At least two courses at the 300- or 400-level 6–8

Total Hours—Geography Minor 18–21

ASIAN STUDIES

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Administration: Bill Gallaga

Minor in Asian Studies

The minor in Asian Studies introduces the student to the history, cultures, and societies of East and South Asia. Courses offered for this minor also explore the origin of Asian American culture and its contemporary expression in the United States.

Requirements for the Minor

Students wishing to minor in Asian Studies must complete 15 semester hours, including the following courses:

Required Courses—Asian Studies Minor	Hours
ASST/HIST 109—East Asian Civilization: China	3
ASST/HIST 110—East Asian Civilization: Japan	3

Three courses from the lists below, chosen in consultation with an advisor	9
Total Hours—Asian Studies Minor	15

Courses Recommended for the Minor in Asian Studies

Courses	Hours
Anthropology (ANTH)	
215—Non-Western Religions	3
273—Ethnography of Southeast Asia <i>Same as GEOG 273</i>	3
Asian Studies (ASST)	
109—East Asian Civilization: China <i>Same as HIST 109</i>	3
110—East Asian Civilization: Japan <i>Same as HIST 110</i>	3
228—Sociology of Asia and Asian Americans <i>Same as SOC 228</i>	3
231—Politics in China <i>Same as POLS 231</i>	3
232—Politics in Japan and Korea <i>Same as POLS 232</i>	3
271—Late Imperial China: 1500 to 1911 <i>Same as HIST 271</i>	3
272—China since 1911 <i>Same as HIST 272</i>	3
273—Japan to 1600 <i>Same as HIST 273</i>	3
274—Japan since 1600 <i>Same as HIST 274</i>	3
275—History of South Asia <i>Same as HIST 275</i>	3
279—South Asian Cultures and Societies <i>Same as ANTH 279</i>	3
280—China and Japan: Society and Culture <i>Same as ANTH 280</i>	3
320—Asian Architecture <i>Same as AH 320</i>	3
370—Chinese Visual Culture <i>Same as AH 370</i>	3
371—Japanese Art <i>Same as AH 371</i>	3
471—Topics in Asian Art and Architecture <i>Same as AH 471</i>	3
472—Issues and Events in 20th Century China <i>Same as HIST 472</i>	3
473—Topics in East Asian History <i>Same as HIST 473</i>	3
478—Women in Chinese History <i>Same as HIST 478</i>	3
479—Culture and Colonialism in South Asia <i>Same as ANTH 479, HIST 479</i>	3
Economics (ECON)	
325—Topics in Economic History ^a	3
History (HIST)	
497—Topics in Cultural History ^a	3

Linguistics and Languages

Only one course in either Chinese or Japanese language may be counted toward the minor.

CHIN 101—Elementary Chinese I	4
CHIN 102—Elementary Chinese II	4
CHIN 103—Intermediate Chinese I	4
CHIN 104—Intermediate Chinese II	4
CHIN 111—Chinese for Students from Chinese Background I	4
CHIN 112—Chinese for Students from Chinese Background II	4
JPN 101—Elementary Japanese I	4
JPN 102—Elementary Japanese II	4
JPN 103—Intermediate Japanese I	4
JPN 104—Intermediate Japanese II	4
JPN 215—Japanese Language and Culture <i>Same as LING 215</i>	3

Sociology (SOC)

268—Introduction to Comparative Sociology ^a	3
440—Topics in Organizations and Institutions ^a	3
448—Sociology of Development ^a	3

Theatre (THTR)

245—East Asian Theater	3
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^a *When topic is Asia.*

BIOCHEMISTRY

Department of Chemistry: (312) 996-3161
 Interdepartmental Biochemistry Committee:
 Louise E. Anderson (Biological Sciences), Wonwha Cho
 (Chemistry), Constance Jeffery (Biological Sciences),
 Brian Nichols (Biological Sciences)

The Bachelor of Science in Biochemistry is awarded by the College of Liberal Arts and Sciences to students who successfully complete this curriculum. It is a joint program of the Department of Biological Sciences and the Department of Chemistry. It is intended for students planning advanced study in biochemistry or molecular biology, who wish to pursue a medical degree, or who will be seeking employment and careers in biochemistry, molecular biology, biotechnology, or related fields. Students may be advised through either department.

Professional Approval

The BS in Biochemistry is certified by the American Chemical Society and endorsed by the American Society of Biochemistry and Molecular Biology.

BS in Biochemistry

Degree Requirements

To earn a Bachelor of Science in Biochemistry degree from UIC, students need to complete University, college, and department degree requirements. The degree requirements for the Department of Biological Sciences and the Department of Chemistry are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS in Biochemistry Degree Requirements	Hours
Requirements for the Curriculum	120
Total Hours—BS in Biochemistry	120

Requirements for the Curriculum

The requirements for the curriculum include the courses necessary to complete the General Education and Writing-in-the-Discipline requirements described in the *College of Liberal Arts and Sciences* section.

Courses	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
Foreign language (the equivalent of two years of a single language at the college level)	0–16
Exploring World Cultures course ^a	3
Understanding the Creative Arts course ^a	3
Understanding the Individual and Society course ^a	3
Understanding the Past course ^a	3
Understanding U.S. Society course ^a	3
MATH 180—Calculus I ^{b,c}	5
MATH 181—Calculus II ^c	5
One of the following sequences in physics:	8–10
PHYS 141—General Physics I (Mechanics) (4) ^c	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^c	
OR	
PHYS 105—Introductory Physics I—Lecture (4) ^{cd}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{cd}	
PHYS 107—Introductory Physics II—Lecture (4) ^{cd}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{cd}	
BIOS 100—Biology of Cells and Organisms ^c	5
BIOS 101—Biology of Populations and Communities ^c	5
BIOS 220—Mendelian and Molecular Genetics	3
One of the following sequences in general and analytical chemistry:	14
CHEM 116—Honors General Chemistry I (5) ^c	
CHEM 118—Honors General Chemistry II (5) ^c	
CHEM 222—Analytical Chemistry (4)	
OR	
CHEM 112—General College Chemistry I (5) ^c	
CHEM 114—General College Chemistry II (5) ^c	
CHEM 222—Analytical Chemistry (4)	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory	1
CHEM 234—Organic Chemistry II	4
One of the following physical chemistry sequences:	9
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^e	
CHEM 346—Physical Chemistry II (3)	
OR	
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^e	
CHEM 344—Physical Chemistry for Biochemists (3)	
CHEM/BIOS 452—Biochemistry I	4
CHEM/BIOS 454—Biochemistry II	4
CHEM 455—Biochemistry Laboratory	3
CHEM 314—Inorganic Chemistry	4
Electives, chosen in consultation with an academic advisor, including at least two advanced-level courses (6 hours) in the biological sciences. One of these courses must be from either the area of cell and molecular biology or the area of microbiology.	6–21
Minimum Total Hours—Requirements for the Curriculum	120

^a Students should consult the General Education section of the catalog for a list of approved courses in this category.

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^c is course is approved for the Analyzing the Natural World General Education category.

^d Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.

^e CHEM 343 fulfills the LAS Writing-in-the-Discipline requirement.

Recommended Plan of Study

Note: Students who are not ready to take MATH 180 and CHEM 112 in the first year should expect to take summer session courses and/or take longer than four years to graduate.

Freshman Year

Courses	Hours
MATH 180—Calculus I	5
MATH 181—Calculus II	5
One of the following general and analytical chemistry sequences:	10
CHEM 116—Honors General Chemistry I (5)	
CHEM 118—Honors General Chemistry II (5)	
OR	
CHEM 112—General College Chemistry I (5)	
CHEM 114—General College Chemistry II (5)	
BIOS 100—Biology of Cells and Organisms	5
BIOS 101—Biology of Populations and Communities	5

Sophomore Year

Courses	Hours
One of the following general physics sequences:	8 or 10
PHYS 141—General Physics I (Mechanics) (4)	
PHYS 142—General Physics II (Electricity and Magnetism) (4)	
OR	
PHYS 105—Introductory Physics I—Lecture (4)	
PHYS 106—Introductory Physics I—Laboratory (1)	
PHYS 107—Introductory Physics II—Lecture (4)	
PHYS 108—Introductory Physics II—Laboratory (1)	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory I	1
CHEM 234—Organic Chemistry II	4
CHEM 222—Analytical Chemistry	4
BIOS 220—Mendelian and Molecular Genetics	3
College requirements	

Junior Year

Courses	Hours
CHEM 314—Inorganic Chemistry	4
One of the following options:	9 or 3
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3)	
CHEM 346—Physical Chemistry II (3)	
OR	
CHEM 342—Physical Chemistry I (3)	
Electives and College requirements	

Senior Year

Courses	Hours
CHEM/BIOS 452—Biochemistry I	4
CHEM/BIOS 454—Biochemistry II	4
One of the following options:	6 or 0
CHEM 343—Physical Chemistry Laboratory (3)	
CHEM 344—Physical Chemistry for Biochemists (3)	
OR	
None	
CHEM 455—Biochemistry Laboratory	3
Electives and College requirements	

Distinction

Distinction. Research is recognized as an important component of the honors candidate's program. Favorable consideration will be given to those individuals who demonstrate superior performance in chemical or biological research. Distinction in biochemistry is awarded to students who qualify as described below:

1. A GPA of at least 3.50/4.00 in chemistry, biology, and mathematics courses, excluding independent study or independent research.
2. Evidence of biochemical research ability as demonstrated by research in chemistry CHEM 499—Supervised Research (3) or BIOS 399—Independent Research (2). Students who qualify for program distinction may be conferred high or highest distinction on the basis of superior performance.

High Distinction. In addition to fulfilling criterion 2 above, a GPA of at least 3.70/4.00 in chemistry, biology, mathematics, and physics courses.

Highest Distinction. In addition to fulfilling criterion 2 above, a GPA of at least 3.80/4.00 in chemistry, biology, mathematics, and physics courses, and presentation of other evidence of truly exceptional performance. Such performance may be identified in one or more of the following ways: independent research at an advanced level, superior performance in class work beyond that reflected in the grade point average, rapid completion of course requirements, completion of honors activities in 300-level course work taken through the Honors College.

DEPARTMENT OF BIOLOGICAL SCIENCES

3268 Science and Engineering South (SES)
(312) 996-2211

<http://www.uic.edu/depts/bios/>

Administration: Head, Brian Kay

Director of Undergraduate Studies, Joel S. Brown

The Biological Sciences majors study life, living organisms, and vital processes. Within this broad context, students and faculty pursue diverse programs, including, but not limited to, biochemistry, botany, cell biology, developmental, ecology, environmental sciences, ethology, evolution, genetics, microbiology, molecular biology, morphology, paleontology, photosynthesis, physiology (animal, microbial, and plant), population biology, and virology. Students completing a baccalaureate degree in Biological Sciences are prepared for positions in teaching and governmental or industrial laboratories and are also qualified to pursue graduate studies in any of several concentrations within the biological sciences as well as the health professions.

The Department of Biological Sciences offers a program leading to the Bachelor of Science in Liberal Arts and Sciences with a Major in Biological Sciences. A Minor in Biological Sciences is also offered.

BS with a Major in Biological Sciences

Degree Requirements

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students must complete University, college, and departmental degree requirements. The Department of Biological Sciences degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS with a Major in Biological Sciences

Degree Requirements	Hours
Required Prerequisite and Collateral Courses	32–34
Major Requirements	36
General Education and Electives to reach Minimum Total Hours	50–52
Minimum Total Hours—BS with a Major in Biological Sciences	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

Required Prerequisite and Collateral Courses

Courses	Hours
MATH 180—Calculus I ^{ab}	5
One of the following sequences in physics:	8–10
PHYS 141—General Physics I (Mechanics) (4) ^b	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^b	
OR	
PHYS 105—Introductory Physics I—Lecture (4) ^{bc}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{bc}	
PHYS 107—Introductory Physics II—Lecture (4) ^{bc}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{bc}	

One of the following sequences in general chemistry:	10
CHEM 116—Honors General Chemistry I (5) ^b	
CHEM 118—Honors General Chemistry II (5) ^b	
OR	
CHEM 112—General College Chemistry I (5) ^b	
CHEM 114—General College Chemistry II (5) ^b	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory I	1
CHEM 234—Organic Chemistry II	4

Total Hours—Required Prerequisite and Collateral Courses	32–34
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^a MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^b is course is approved for the Analyzing the Natural World General Education category.

^c Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.

Major Requirements

Of the 36 semester hours for the major, no more than 10 hours may be at the 100-level and at least 5 hours must be at the 300-level or above, excluding 391 and 399.

Courses	Hours
BIOS 100—Biology of Cells and Organisms ^a	5
BIOS 101—Biology of Populations and Communities ^a	5
BIOS 220—Mendelian and Molecular Genetics	3
BIOS 221—Genetics Laboratory ^b	3
BIOS 222—Cell Biology	3
BIOS 230—Ecology and Evolution	3
BIOS 240—Homeostasis: The Physiology of Plants and Animals	3

**At least two laboratory courses from the following list,
assuming all prerequisites have been met:**

BIOS 223—Cell Biology Laboratory (2)	4–10
BIOS 272—Comparative Vertebrate Anatomy (5)	
BIOS 321—Developmental Biology Laboratory (3)	
BIOS 325—Vertebrate Embryology (5)	

BIOS 331—General Ecology Laboratory (3)
 BIOS 351—Microbiology Laboratory (2)
 BIOS 443—Animal Physiological Systems (4)

Additional courses at the 200-level or above, chosen with the consent of an advisor, to bring the total to 36 semester hours in biological sciences. No more than 5 hours of independent study and research courses may be applied to the minimum hours required for the major. 1–7

Total Hours—Major Requirements 36

^a *is course is approved for the Analyzing the Natural World General Education category.*

^b *BIOS 221 fulfills the Writing-in-the-Discipline requirement.*

Recommended Plan of Study

To view a recommended plan of study for the major in Biological Sciences, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Biological Sciences

Students from other disciplines who want to minor in Biological Sciences must complete 21 semester hours distributed as follows:

Required Courses—Biological Sciences Minor	Hours
BIOS 100—Biology of Cells and Organisms	5
BIOS 101—Biology of Populations and Communities	5

Courses in the biological sciences at the 200-level or above, chosen in consultation with department advisor. 11

Total Hours—Biological Sciences Minor 21

Distinction

Departmental Distinction. Departmental Distinction is awarded to students with a minimum 3.70/4.00 GPA in biological sciences courses and to students with a minimum 3.30/4.00 GPA in biological sciences courses who successfully complete BIOS 399—Independent Research.

Highest Departmental Distinction. Highest Departmental Distinction is awarded to students who have a minimum 3.70/4.00 GPA in biological sciences courses and who successfully complete BIOS 399—Independent Research.

DEPARTMENT OF CHEMISTRY

4500 Science and Engineering South (SES)
 (312) 996-3161
<http://www.chem.uic.edu>

Administration: Head, Robert Gordon
 Director of Undergraduate Studies, Donald Wink

Chemistry is a central science that provides much of the fundamental understanding needed to deal with society's needs. It is critical in feeding, clothing, and housing humankind, in providing renewable substitutes for dwindling or scarce materials, in improving health, and in monitoring and protecting our environment.

The Department of Chemistry offers four undergraduate degrees.

1. The Bachelor of Science in Chemistry is recommended for anyone considering a professional career in chemistry. It prepares its graduates for admission to graduate schools in chemistry, to medical schools and to professional positions in industry, the health field, and governmental agencies.

2. The Bachelor of Arts with a Major in Chemistry requires fewer chemistry courses and permits a larger number of electives outside of chemistry. It provides a basis for admission to medical schools and dental schools. The degree also provides a useful background for those who wish to pursue careers in business (management, marketing, sales).
3. The Bachelor of Science in the Teaching of Chemistry is a program for prospective high school chemistry teachers.
4. The Bachelor of Science in Biochemistry, offered jointly with the Department of Biological Sciences, provides preparation for graduate study in biochemistry, for studies in medical and dental schools, or for careers in biotechnology. For more detailed information, see the *Biochemistry* section.

The department also offers a Minor in Chemistry.

Faculty advising is provided for all students majoring in the department. To be identified for effective advising, students should declare the chemistry major by the end of the freshman year. Transfer students should declare the major at the time of registration or during their first term in residence. Students considering changing to a major in chemistry at a later point in their careers should first obtain advice from the department.

Professional Approval

The Bachelor of Science in Chemistry and Bachelor of Science in Biochemistry programs have been approved by the American Chemical Society, and graduates are immediately eligible for full membership in the society.

BA with a Major in Chemistry

Degree Requirements—BA with a Major in Chemistry

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Chemistry degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Chemistry Degree Requirements	Hours
Required Prerequisite and Collateral Courses	18–20
Major Requirements	39
General Education and Electives to reach Minimum Total Hours	61–63
Minimum Total Hours—BA with a Major in Chemistry	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

Required Prerequisite and Collateral Courses

Courses	Hours
MATH 180—Calculus I ^{ab}	5
MATH 181—Calculus II ^a	5

One of the following sequences in physics:	8–10
PHYS 141—General Physics I (Mechanics) (4) ^{ac}	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^{ac}	
OR	
PHYS 105—Introductory Physics I—Lecture (4) ^{ad}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{ad}	
PHYS 107—Introductory Physics II—Lecture (4) ^{ad}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{ad}	

Total Hours—Required Prerequisite and Collateral Courses	18–20
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^a *is course is approved for the Analyzing the Natural World General Education category.*

^b *MATH 180 ful lls the LAS Quantitative Reasoning requirement.*

^c *PHYS 141 and 142 are recommended.*

^d *Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.*

Major Requirements Courses

Courses	Hours
One of the following sequences in general and analytical chemistry:	14
CHEM 112—General College Chemistry I (5) ^a	
CHEM 114—General College Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
OR	
CHEM 116—Honors General Chemistry I (5) ^a	
CHEM 118—Honors General Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory	1
CHEM 234—Organic Chemistry II	4
One of the following physical chemistry sequences:	9
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^b	
CHEM 346—Physical Chemistry II (3)	
OR	
CHEM 340—Physical Chemistry for Biochemists I (3)	
CHEM 343—Physical Chemistry Laboratory (3) ^b	
CHEM 344—Physical Chemistry for Biochemists II (3)	
CHEM 314—Inorganic Chemistry I	4
Chemistry Electives	3
Total Hours—Major Requirements	39

^a *is course is approved for the Analyzing the Natural World General Education category.*

^b *CHEM 343 ful lls the Writing-in-the-Discipline requirement.*

Recommended Plan of Study

To view a recommended plan of study for the BA with a Major in Chemistry, please see the end of this department listing or visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Chemistry

Students from other disciplines who want to minor in Chemistry must complete 18–19 semester hours distributed as follows:

Required Courses—Chemistry Minor	Hours
One of the following sequences:	10
CHEM 112—General College Chemistry I (5)	
CHEM 114—General College Chemistry II (5)	
OR	
CHEM 116—Honors General College Chemistry I (5)	
CHEM 118—Honors General College Chemistry II (5)	

CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory I	1
One of the following courses:	3–4
CHEM 314—Inorganic Chemistry (4)	
CHEM 340—Physical Chemistry for Biochemists I (3)	
CHEM 342—Physical Chemistry I (3)	
Total Hours—Chemistry Minor	18–19

BS in the Teaching of Chemistry

Degree Requirements—BS in the Teaching of Chemistry

To earn a Bachelor of Science in the Teaching of Chemistry degree from UIC, students must complete University, college, and department degree requirements. The Department of Chemistry degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS in the Teaching of Chemistry Degree Requirements

Required Prerequisite and Collateral Courses	Hours
Major Requirements	40
Additional Requirements for Teacher Certification	17
Courses Recommended for Science Teacher Certification	8–19
General Education ^a	35–65 ^a
Minimum Total Hours—BS in the Teaching of Chemistry	120

^a *is an estimated range for the General Education requirements. Students should consult the course lists below and the College of Liberal Arts and Sciences section of the catalog for information on meeting these requirements.*

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

Required Prerequisite and Collateral Courses

Courses	Hours
MATH 180—Calculus I ^{ab}	5
MATH 181—Calculus II ^a	5

One of the following sequences in physics (PHYS 141 and 142 recommended):

PHYS 141—General Physics I (Mechanics) (4) ^a	8–10
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^a	
OR	
PHYS 105—Introductory Physics I—Lecture (4) ^{ac}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{ac}	
PHYS 107—Introductory Physics II—Lecture (4) ^{ac}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{ac}	

CHEM 470—Educational Practice with Seminar I	6
CHEM 471—Educational Practice with Seminar II	6

Total Hours—Required Prerequisite and Collateral Courses	30–32
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^a *is course is approved for the Analyzing the Natural World General Education category.*

^b *MATH 180 ful lls the LAS Quantitative Reasoning requirement.*

^c *Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.*

Major Requirements

Courses	Hours
One of the following sequences in general and analytical chemistry:	14
CHEM 116—Honors General Chemistry I (5) ^a	
CHEM 118—Honors General Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
OR	
CHEM 112—General College Chemistry I (5) ^a	
CHEM 114—General College Chemistry II (5) ^a	
CHEM 222—Analytical Chemistry (4)	
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory I	1
CHEM 234—Organic Chemistry II	4
CHEM 314—Inorganic Chemistry	4
CHEM 340—Physical Chemistry for Biochemists I	3
CHEM 343—Physical Chemistry Laboratory ^b	3
CHEM 344—Physical Chemistry for Biochemists II	3
CHEM 402—Chemical Information Systems	2
CHEM 472—Teaching Methods in Chemistry	2
Total Hours—Major Requirements	40

^a is course is approved for the Analyzing the Natural World General Education category.

^b CHEM 343 fulfills the Writing-in-the-Discipline requirement.

Additional Requirements for Teacher Certification

Courses	Hours
ED 200—Education Policy Foundations	3
ED 210—The Educative Process	3
ED 330—Curriculum, Instruction, and Evaluation in the Secondary School	4
CI 414—Middle and High School Literacy	4
SPED 410—Survey of Characteristics of Learners with Disabilities	3
Total Hours—Additional Requirements for Teacher Certification	17

Courses Recommended for Science Teacher Certification

Courses	Hours
One of the following options:	4 or 9
NATS 101—Physical World (4) ^a	
OR	
EAES 107—The Changing Earth (5)	
PHYS 112—Astronomy and the Universe (4) ^a	
One of the following options:	4 or 10
NATS 103—Biological World (4) ^a	
OR	
BIOS 100—Biology of Cells and Organisms (5) ^a	
BIOS 101—Biology of Populations and Communities (5) ^a	
Total Hours—Additional Requirements for Science Teacher Certification	8–19

^a is course is approved for the Analyzing the Natural World General Education category.

Note: Although these courses are not required, they are recommended because of the presence of certain topics on the content exam students must pass before being allowed to student teach.

In addition to specified course work in the major field, teacher education students must fulfill certain other course requirements for certification, discussed below. Students must also maintain a minimum cumulative GPA of 2.50/4.00 in all undergraduate courses and in all undergraduate chemistry courses, including transferred courses.

A GPA of 3.00/4.00 in required education courses, with no grade lower than a C in each of the courses, is also required. A GPA of 2.50/4.00 in undergraduate chemistry courses including transferred courses is also required for registration in the student teaching semester (CHEM 470 and 471).

The teaching certificate is not automatically awarded upon successful completion of certification and degree requirements. Before the certificate is issued, the candidate must file an application for the Illinois teaching certificate in the Council on Teacher Education. The candidate must also pass a series of examinations required by the Illinois State Board of Education. The Basic Skills Tests must be passed prior to applying for candidacy in the Council on Teacher Education. The Content Area Tests must be passed before the candidate is allowed to student teach. The Assessment of Professional Teaching must be passed prior to certification. For more information on application procedures, contact the Council on Teacher Education located in 3015 EPASW. See *Council on Teacher Education* and *Secondary Education Program* in the *College of Education* section of the catalog.

Recommended Plan of Study

To view a recommended plan of study for the BS in the Teaching of Chemistry, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

BS in Chemistry**Degree Requirements—BS in Chemistry**

To earn a Bachelor of Science in Chemistry degree from UIC, students need to complete University, college, and department degree requirements. The Department of Chemistry degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS in Chemistry Degree Requirements	Hours
Requirements for the Curriculum	120
Total Hours—BS in Chemistry	120

Requirements for the Curriculum

The requirements for the curriculum include the courses necessary to complete the General Education and Writing-in-the-Discipline requirements described in the *College of Liberal Arts and Sciences* section.

Courses	Hours
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
Foreign language (the equivalent of two years of a single language at the college level)	0–16
Exploring World Cultures course ^a	3
Understanding the Creative Arts course ^a	3
Understanding the Individual and Society course ^a	3
Understanding the Past course ^a	3
Understanding U.S. Society course ^a	3
MATH 180—Calculus I ^{b,c}	5
MATH 181—Calculus II ^c	5
MATH 210—Calculus III ^c	3
PHYS 141—General Physics I (Mechanics) ^c	4
PHYS 142—General Physics II (Electricity and Magnetism) ^c	4

One of the following sequences in general and analytical chemistry:

CHEM 116—Honors General Chemistry I (5)^{cd}
 CHEM 118—Honors General Chemistry II (5)^{cd}
 CHEM 222—Analytical Chemistry (4)^d

OR

CHEM 112—General College Chemistry I (5)^c
 CHEM 114—General College Chemistry II (5)^c
 CHEM 222—Analytical Chemistry (4)

CHEM 232—Organic Chemistry I 4

CHEM 233—Organic Chemistry Laboratory I 1

CHEM 234—Organic Chemistry II 4

CHEM 314—Inorganic Chemistry 4

CHEM 333—Advanced Synthetic Laboratory 3

CHEM 342—Physical Chemistry I 3

CHEM 343—Physical Chemistry Laboratory^e 3

CHEM 346—Physical Chemistry II 3

CHEM 402—Chemical Information Systems 2

CHEM 421—Instrumental Analysis 4

CHEM 452—Biochemistry I 4

One of the following advanced lecture courses:

CHEM 414—Advanced Inorganic Chemistry (2) 2

CHEM 432—Advanced Organic Chemistry (2)

CHEM 444—Advanced Physical Chemistry (2)

One of the following advanced lecture courses:

CHEM 415—Inorganic Chemistry Laboratory (3) 3

CHEM 455—Biochemistry Laboratory (3)

CHEM 499—Supervised Research (3)

Electives at the 300-level or above in the natural sciences or mathematics, as approved by the departmental advisor 3

Electives 5–21

Total Hours—Requirements for the Curriculum 120

^a Students should consult the General Education section of the catalog for a list of approved courses in this category.

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^c is course is approved for the Analyzing the Natural World General Education category.

^d CHEM 116, 118, and 222 are recommended.

^e CHEM 343 fulfills the LAS Writing-in-the-Discipline requirement.

Recommended Plan of Study

To view a recommended plan of study for the BS in Chemistry, please see the end of this department listing or visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Distinction

Departmental Distinction. Chemical research is recognized as an important component of the honors candidate's program. Favorable consideration for Departmental Distinction will be given to those students who combine superior class performance with research accomplishments. Distinction may be awarded to students who have met the following criteria:

1. Completed a BS degree or have a distribution of courses with advanced hours in chemistry beyond the BA requirements.
2. Earned a GPA of at least 3.50/4.00 in science and mathematics courses.
3. Completed the physical chemistry 342, 343, 346 sequence.
4. Shown ability in chemical research by completing a research project or advanced laboratory courses.

High Distinction. In addition to fulfilling the conditions for Distinction, candidates are required to have a GPA of 3.70/4.00 or above in science and mathematics courses, and have completed a research project in the Department of Chemistry.

Highest Distinction. In addition to fulfilling criteria for High Distinction, candidates are required to have a GPA of 3.80/4.00 or above in science and mathematics courses, and to present evidence of exceptional performance in research.

Note: For determining Distinction, the GPA will be calculated using all of the credits that are being applied to the degree—from UIC and from any transfer institution.

Recommended Plan of Study

Chemistry is a highly structured discipline. Because most advanced courses require physical chemistry as a prerequisite, which in turn requires prerequisites of general chemistry, physics, and mathematics, careful course planning is essential. It is best to start with mathematics and general chemistry in the first year, followed by organic chemistry and physics in the second year, and physical chemistry in the third year. A recommended basic course sequence for the BS and BA is given below. Consult the *Biochemistry* section for more information on the BS in Biochemistry and *Secondary Education Program* in the *College of Education* section for more information on the BS in the Teaching of Chemistry.

Note: Students who are not ready to start with MATH 180 and CHEM 112 should expect to take summer session courses and/or take longer than four years to graduate.

Freshman Year

Courses	Hours
MATH 180—Calculus I	5
MATH 181—Calculus II	5

One of the following general and analytical chemistry sequences:

CHEM 116—Honors General Chemistry I (5)	10
CHEM 118—Honors General Chemistry II (5)	
OR	
CHEM 112—General College Chemistry I (5)	10
CHEM 114—General College Chemistry II (5)	

College requirements

Sophomore Year

Courses	Hours
CHEM 222—Analytical Chemistry	4
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory I	1
CHEM 234—Organic Chemistry II	4
CHEM 333—Advanced Synthetic Laboratory	3

One of the following general physics sequences:

PHYS 141—General Physics I (Mechanics) (4)	8–10
PHYS 142—General Physics II (Electricity and Magnetism) (4)	

OR

PHYS 105—Introductory Physics I—Lecture (4) ^a	3
PHYS 106—Introductory Physics I—Laboratory (1) ^a	
PHYS 107—Introductory Physics II—Lecture (4) ^a	
PHYS 108—Introductory Physics II—Laboratory (1) ^a	
MATH 210—Calculus III ^b	3

College requirements

Junior Year Courses	Hours
One of the following options:	3 or 9
CHEM 340—Physical Chemistry for Biochemists I (3) ^a	
OR	
CHEM 342—Physical Chemistry I (3)	
CHEM 343—Physical Chemistry Laboratory (3)	
CHEM 346—Physical Chemistry II (3)	
CHEM 314—Inorganic Chemistry	4
College requirements and electives	

Senior Year Courses	Hours
One of the following options:	9–14
CHEM 344—Physical Chemistry for Biochemists II (3) ^a	
CHEM 343—Physical Chemistry Laboratory (3)	
Chemistry electives (3)	
OR	
CHEM 402—Chemical Information Systems (2) ^b	
CHEM 421—Instrumental Analysis (4) ^c	
CHEM 414 or 432 or 444 (2) ^c	
CHEM 415 or 455 or 499 (3) ^c	
Electives at the 300-level or above in the natural sciences or mathematics, as approved by the departmental advisor (3) ^c	
College requirements and electives	

^a *ese courses are not acceptable for the BS in Chemistry degree program.*

^b *ese courses are required for the BS in Chemistry and the BS in Teaching of Chemistry degrees only.*

^c *ese courses are required for the BS in Chemistry degree only.*

DEPARTMENT OF CLASSICS AND MEDITERRANEAN STUDIES

1804 University Hall (UH)
(312) 996-3281
<http://www.uic.edu/las/clas/>
Administration: Head, John Ramsey
Director of Undergraduate Studies, Nanno Marinatos,
nannom@uic.edu

Classics is the study of the languages, literatures, and civilizations of ancient Greece and Rome. The Department of Classics and Mediterranean Studies provides a full range of courses in translation, from introductory and surveys of ancient culture and mythology to advanced treatments of various aspects of classical society and literary genres. It offers courses on ancient religions, the art and archaeology of the Greco-Roman world, as well as on ancient Egypt and the Near East. Latin, Arabic, and Ancient Greek are taught from the introductory through the advanced levels, while courses in Modern Greek and Hebrew are taught from the introductory through the intermediate levels (101–104).

Students who major in classics (classical languages or classical civilizations) may go on to pursue careers in professional scholarship and teaching at college or high school level, but there are many other possibilities. For example, recent classics majors have entered law, medical, and divinity schools, while others have taken positions in business. The training in precise expression and critical thinking that a classics major receives is widely respected by employers.

The Department of Classics and Mediterranean Studies offers programs leading to the Bachelor of Arts with majors in Classical Civilization and Classical Languages and Literatures. Minors in Ancient Greek or Latin and Classical Civilization are also offered.

BA with a Major in Classical Languages and Literatures^a

Majors in Classical Languages and Literatures must complete a concentration in either Ancient Greek or Latin.

Degree Requirements—Classical Languages and Literatures

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Classics and Mediterranean Studies degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Classical Languages and Literatures Degree Requirements	Hours
Concentration Requirements	27
General Education and Electives to reach Minimum Total Hours	93
Minimum Total Hours—BA with a Major in Classical Languages and Literatures	120

^a *e BA with a Major in Classical Languages and Literatures program is suspended e ctive Fall 2010.*

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Concentration Requirements—Ancient Greek

Courses	Hours
Six courses in Ancient Greek, excluding GKA 101/102—Elementary Ancient Greek I/II, with a minimum of 12 hours at the 200-level or above	18
CL 398—Advanced Topics in Classical Civilization ^a	3

Two additional courses in classics or archaeological studies in the Department of Classics and Mediterranean Studies, at the 100-level or above, excluding CL 201, chosen from the areas of Greek literature, archaeology, and history

Total Hours—Concentration Requirements—Ancient Greek 27

^a *CL 398 ful lls the Writing-in-the-Discipline requirement.*

Concentration Requirements—Latin

Courses	Hours
Six courses in Latin at the 200-level or above	18
CL 398—Advanced Topics in Classical Civilization ^a	3

Two additional courses in classics or archaeological studies in the Department of Classics and Mediterranean Studies, at the 100-level or above, excluding CL 201, chosen from the areas of Roman literature, archaeology, and history

Total Hours—Concentration Requirements—Latin 27

^a *CL 398 ful lls the Writing-in-the-Discipline requirement.*

Recommended Plan of Study

To view a recommended plan of study for the major in Classical Languages and Literatures, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Ancient Greek or Latin

Students from other disciplines who want to minor in Ancient Greek* or Latin* must take a total of 18 hours in one of these languages, with a minimum of 6 hours at the 200-level or above.

**Suspended e ctive Fall 2010.*

BA with a Major in Classical Civilization

Degree Requirements—Classical Civilization

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Classics and Mediterranean Studies degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Classical Civilization Degree Requirements	Hours
Major Requirements	27
Required Collateral Courses	16
General Education and Electives to reach Minimum Total Hours	77
Minimum Total Hours—BA with a Major in Classical Civilization	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Major Requirements

Courses	Hours
Twenty-seven semester hours of courses in classical civilization or archaeological studies in the Department of Classics and Mediterranean Studies, chosen in consultation with the advisor and distributed as follows:	27
1. At least one course from each of three areas: literature, archaeology, and history.	
2. A minimum of 18 hours at the 200-level or above, excluding CL 201—Classical Etymology in the Life Sciences. One of the courses must be CL 398—Advanced Topics in Classical Civilization. ^a	
3. A maximum of 9 hours may be chosen from the following related courses ^b in other departments that are cross-listed with Classics: CL/HIST 202, 203, 401, 402, 404; and CL/PHIL 120, 220, 221.	
4. A maximum of 8 hours of the major may be chosen from approved courses in Ancient Greek or Latin.	
Total Hours—Major Requirements	27

^a CL 398 fulfills the *Writing-in-the-Discipline* requirement.

^b Students should consult the General Education section of the catalog to determine which of the following courses are approved General Education courses.

Required Collateral Courses

Courses	Hours
One of the following sequences or the equivalent:	16
GKA 101—Elementary Ancient Greek I (4)	
GKA 102—Elementary Ancient Greek II (4)	
GKA 103—Intermediate Ancient Greek I (4)	
GKA 104—Intermediate Ancient Greek II (4)	
OR	
LAT 101—Elementary Latin I (4)	
LAT 102—Elementary Latin II (4)	
LAT 103—Intermediate Latin I (4)	
LAT 104—Intermediate Latin II (4)	
Total Hours—Required Collateral Courses	16

Recommended Plan of Study

To view a recommended plan of study for the major in Classical Civilization, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Classical Civilization

Students from other disciplines who want to minor in Classical Civilization must take a total of 18 hours distributed as follows:

Required Courses—Classical Civilization Minor	Hours
One course at 100-level	3
One course from the following:	3
CL/HIST 202 —The Ancient World: Greece (3)	
CL/HIST 203—The Ancient World: Rome (3)	
CL 204—Greek Art and Archaeology (3)	
CL 205—Roman Art and Archaeology (3)	
Four additional courses in classics or archaeological studies in the Department of Classics and Mediterranean Studies, of which at least two must be at the 200-level or above	12
Total Hours—Classical Civilization Minor	18

A maximum of 9 hours may be taken in related courses listed under the major. No more than 4 semester hours in Ancient Greek or Latin at the level of 103 or above may be applied to the minor.

Distinction

Students who achieve a GPA of 3.75/4.00 in all courses counted for the major and a 3.25/4.00 cumulative GPA are recommended for Department Honors and Distinction.

DEPARTMENT OF COMMUNICATION

1140 Behavioral Sciences Building (BSB)
(312) 996-3187
comm@uic.edu
<http://www.uic.edu/depts/comm>

Administration: Head, Zizi Papacharissi
Director of Undergraduate Studies, Hui-Ching Chang
Academic Advisor: Dace Kezbers, dkezbers@uic.edu

The Department of Communication highlights the role of communication in creating relationships within human societies. Courses range from the personal through the international level and build responsible citizenship.

A degree in communication focuses on social science research, leading to several career paths, including market research, corporate relations, human resources, event planning, advertising, media writing, teaching, and government.

The core courses introduce fundamental concepts, theories, issues, and statistical methods in a variety of settings and build skills in reasoned argument, research, and critical thinking.

Subsequent courses integrate analysis and research, emphasizing observation, production, and consumption as critical processes in which students continually engage, while also emphasizing systematic inquiry that involves students in research activities. The courses foster critical understanding of the ways that individuals, groups, and societies create meanings about their worlds through communication.

BA with a Major in Communication

Admission to the Major

Prior to declaring a major in Communication, students must have the following:

- A minimum of 24 semester hours of courses in the College of Liberal Arts and Sciences
- A cumulative grade point average of 2.50/4.00
- A grade of C or higher in COMM 101—Introduction to Communication

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Communication degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Communication Degree Requirements	Hours
Major Requirements	36
General Education and Electives to reach Minimum Total Hours	84
Minimum Total Hours—BA with a Major in Communication	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Major Requirements Courses

Courses	Hours
COMM 101—Introduction to Communication ^a	3
COMM 102—Introduction to Interpersonal Communication ^a	3
COMM 103—Introduction to Media ^a	3
COMM 200—Communication Technologies	3
COMM 201—Statistics in Communication Research ^b	3
COMM 301—Communication Research ^c	3
Five additional communication courses at the 200-, 300-, or 400-level with at least 2 courses at the 400-level ^d	15
One of the following^e	3
COMM 490—Seminar in Culture and Communication (3)	
COMM 491—Seminar in Media and Communication (3)	
Total Hours—Major Requirements	36

^a *is course is approved for the Understanding the Individual and Society General Education category.*

^b *COMM 201 also fulfills the LAS Quantitative Reasoning requirement.*

^c *COMM 301 also fulfills the Writing-in-the-Discipline requirement.*

^d *Exclusive of COMM 490 and 491, no more than 3 hours of COMM 474 and 3 hours of COMM 498 may be applied toward the degree. COMM 454 does not count toward the major or minor in Communication.*

^e *Only one of the seminars, COMM 490 or 491, may be applied toward the major in Communication.*

All course work taken to satisfy the Communication major must have a grade of C or better. In addition, a minimum GPA of 2.00/4.00 is required in all courses in the major field taken at UIC.

Recommended Plan of Study

To view a recommended plan of study for the major in Communication, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Communication

Students from other disciplines who want to minor in Communication must complete 18 semester hours as outlined below. A grade of C or better must be earned in all courses counting toward the minor.

Required Courses—Communication Minor	Hours
COMM 101—Introduction to Communication	3
COMM 102—Introduction to Interpersonal Communication	3
COMM 103—Introduction to Media	3
COMM 200—Communication Technologies	3

Two COMM electives at the 200-level or higher, except COMM 454^a 6

Total Hours—Communication Minor **18**

^a *With approval, other social science Quantitative Reasoning courses may substitute for COMM 201 as a prerequisite to courses for the COMM electives.*

Distinction

For Distinction, the requirements are a cumulative GPA of 3.25/4.00 and a departmental GPA of 3.50/4.00. For High Distinction, the requirements are a cumulative GPA of 3.25/4.00, a departmental grade point average of 3.50/4.00, and satisfactory completion of an advanced original research paper under the supervision of a faculty member of the student's choosing. Refer to the department handbook for procedures and deadlines.

DEPARTMENT OF CRIMINOLOGY, LAW, AND JUSTICE

4022 Behavioral Sciences Building (BSB)
(312) 996-5290

<http://www.uic.edu/depts/cjus>

Administration: Head, Edna Erez
Director of Undergraduate Studies, Lisa Frohmann,
lfrohman@uic.edu

Academic Advisor: Nick Webster, nweb@uic.edu

Criminology, law, and justice is a social and behavioral science field of study that selects crime, law, and the criminal justice system for its subject matter. Using social science methodologies, the program examines the nature, extent, and causes of crime in various settings, the impact of crime on victims and society, and both formal and informal responses to crime. These responses include individual and community reactions, the investigation of crimes and arrest of offenders by the police, and their prosecution, defense, and adjudication by the courts; and an array of sentencing and correctional outcomes. The nature and effectiveness of criminal justice reform efforts are also studied.

The degree prepares graduates for a broad range of professional roles in the criminal justice system, as well as the broader legal system. It also serves as entry to graduate programs of criminal justice and related research and professional programs such as law, sociology, public administration, paralegal studies, and various social services.

BA with a Major in Criminology, Law, and Justice

Admission to the Major

Prior to declaring a major in Criminology, Law, and Justice, students must achieve a grade of C or better in CLJ 101—Introduction to the Justice System.

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Criminology, Law, and Justice degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Criminology, Law, and Justice Degree Requirements	Hours
Major Requirements	33
General Education and Electives to reach Minimum Total Hours	87
Minimum Total Hours—BA with a Major in Criminology, Law, and Justice	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Major Requirements

Courses	Hours
CLJ 101—Introduction to the Justice System ^a	3
CLJ 200—Law in Society ^a	3
CLJ 210—Principles of Criminal Law	3
CLJ 220—Criminology	3
CLJ 240—Criminal Justice Organizations	3
CLJ 261—Research Methods I	3
CLJ 262—Research Methods II ^b	3

One course from the following:	3
CLJ 345—Police in Society (3)	
CLJ 350—Courts in Society (3)	
CLJ 355—Punishment, Prisons, and Corrections (3)	
CLJ 301—Writing in the Discipline ^c	0
Three courses at the 300- or 400-level ^d	9
Total Hours—Major Requirements	33

^a *is course is approved for the Understanding U.S. Society General Education category.*

^b *CLJ 262 also fulfills the LAS Quantitative Reasoning requirement.*

^c *CLJ 301 fulfills the Writing-in-the-Discipline requirement.*

^d *Only 3 hours of CLJ 395 may count toward the degree.*

Recommended Plan of Study

To view a recommended plan of study for the major in Criminology, Law, and Justice, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Criminology, Law, and Justice

Students from other disciplines who want to minor in Criminology, Law, and Justice must complete 18 credit hours as outlined below:

Required Courses—Criminology, Law, and Justice Minor	Hours
CLJ 101—Introduction to the Justice System	3
CLJ 200—Law in Society	3
CLJ 210—Principles of Criminal Law	3
CLJ 220—Criminology	3
CLJ 240—Criminal Justice Organizations	3
One course at the 300- or 400-level chosen with the consent of the advisor	3
Total Hours—Criminology, Law, and Justice Minor	18

Minor in Law and Society

Students from other disciplines who want to minor in Law and Society must complete 18 credit hours as outlined below:

Required Courses—Law and Society Minor	Hours
One course from the following:	3
PHIL 102—Introductory Logic (3)	
PHIL 103—Introduction to Ethics (3)	
ECON 120—Principles of Microeconomics (3)	
ECON 121—Principles of Macroeconomics (3)	
One course from the following:	3
CLJ 101—Introduction to the Justice System (3)	
POLS 101—Introduction to American Government and Politics (3)	

Four courses from one of the following tracks:

12

Criminal Justice:

CLJ 110—Rights, Justice, and the Law (3)
CLJ 210—Principles of Criminal Law (3)
CLJ 310—Substantive Criminal Law (3)
CLJ 311—Criminal Procedure (3)

Law in Social Context:

POLS 120—Introduction to Political Theory (3)
CLJ 200—Law in Society (3)
CLJ 220—Criminology (3)
CLJ 423—Violence (3)
CLJ 424—Gender, Crime, and Justice (3)
HIST 251—History of Race Relations in America (3)
HIST 404—Roman Law and the Civil Law Tradition (3)

Public Law:

POLS 258—The Judicial Process (3)
POLS 353—Constitutional Law (3)
POLS 354—The Constitution and Civil Liberties (3)
POLS 356—Constitutional Law: Women, Gender, and Privacy (3)

Total Hours—Law and Society Minor 18

Courses in the student's major may not be counted toward the Law and Society minor. One class not included in the minor may be substituted for any course within a track with the consent of the Law and Society faculty advisor.

Distinction

Departmental Distinction. A candidate must have a 3.50/4.00 cumulative GPA in all criminology, law, and justice courses and a 3.25/4.00 cumulative GPA in all UIC courses.

High Distinction. A candidate must have a 3.50/4.00 cumulative GPA in all criminology, law, and justice courses, a 3.25/4.00 cumulative GPA in all UIC courses, and complete a paper written for CLJ 399—Independent Study, which will be reviewed by a faculty advisor and the Departmental Undergraduate Committee. Qualified students should contact the departmental undergraduate director two terms in advance of graduation.

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

2440 Science and Engineering South (SES)
(312) 996-3154

<http://www.uic.edu/depts/geos>

Administration: Head, Neil C. Sturchio
Director of Undergraduate Studies, Roy E. Plotnick

The earth and environmental sciences examine the processes that affect the earth's surface and its interior, the history of these processes, and the materials that they produce. They view the earth as a dynamic body, with continual interchanges of materials and energy among the planet's interior and exterior, atmosphere, oceans, and life. Understanding of these processes is essential for evaluating the global environment, its natural variability and history, and its interactions with human activities.

A degree in earth and environmental sciences may lead to employment in industry, in the public sector, or in education. Many earth scientists establish careers in areas that are environmentally related, which may include the prevention, control, and remediation of pollutants from water and soil. Others work at predicting and preventing problems associated with natural hazards such as earthquakes, landslides, floods, and volcanic eruptions. Employment possibilities also exist in the exploration, utilization, and management of resources such as oil, coal, metals, or water.

UIC

Criminology, Law, and Justice
Earth and Environmental Sciences

College of Liberal Arts and Sciences

201

BS with a Major in Earth and Environmental Sciences

Students majoring in Earth and Environmental Sciences choose a concentration in Earth Sciences or Environmental Earth Sciences.

Degree Requirements —Both Concentrations

Core Courses

Courses	Hours
EAES 101—Exploring the Earth’s Surface ^a	5
EAES 102—Exploring the Earth’s Interior ^a	5
EAES 220—Mineralogy	4
EAES 390—Current Topics in Earth and Environmental Sciences ^b	2
Total Hours—Core Courses	16

^a is course is approved for the Analyzing the Natural World General Education category.

^b EAES 390 ful lls the Writing-in-the-Discipline requirement.

Degree Requirements—Earth Sciences Concentration

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students need to complete University, college, and department degree requirements. The Department of Earth and Environmental Sciences degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS with a Major in Earth and Environmental Sciences Degree Requirements—Earth Sciences Concentration

	Hours
Required Prerequisite and Collateral Courses	28–30
Core Courses	16
Concentration Requirements	22
General Education and Electives to reach Minimum Total Hours	52–54
Minimum Total Hours—BS with a Major in Earth and Environmental Sciences—Earth Sciences Concentration	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

Required Prerequisite and Collateral Courses—Earth Sciences Concentration

Courses	Hours
One of the following sequences in general physics:	8–10
PHYS 105—Introductory Physics I—Lecture (4) ^{ab}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{ab}	
PHYS 107—Introductory Physics II—Lecture (4) ^{ab}	
PHYS 108—Introductory Physics II—Laboratory (1) ^{ab}	
OR	
PHYS 141—General Physics I (Mechanics) (4) ^a	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^a	
CHEM 112—General College Chemistry I ^a	5
CHEM 114—General College Chemistry II ^a	5
MATH 180—Calculus I ^{ac}	5
MATH 181—Calculus II ^a	5
Total Hours—Required Prerequisite and Collateral Courses	28–30

^a is course is approved for the Analyzing the Natural World General Education category.

^b Each of the following pairs will be considered one course in meeting the LAS General Education requirements: PHYS 105/PHYS 106 and PHYS 107/PHYS 108.

^c MATH 180 ful lls the LAS Quantitative Reasoning requirement.

Core Courses

See *Core Courses* under heading *Degree Requirements—Both Concentrations*.

Earth Sciences Concentration Requirements

Courses	Hours
Twelve hours from the following:	12
EAES 310—Introduction to Geochemistry (4)	
EAES 330—Introduction to Petrology (4)	
EAES 350—Principles of Sedimentology and Stratigraphy (4)	
EAES 360—Introduction to Paleontology (4)	
EAES 400—Field Experience in Earth Sciences	6
EAES 440—Structural Geology and Tectonics	4
Total Hours—Concentration Requirements	22

Degree Requirements—Environmental Earth Sciences Concentration

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students need to complete University, college, and department degree requirements. The Department of Earth and Environmental Sciences degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS with a Major in Earth and Environmental Sciences Degree Requirements—Environmental Earth Sciences Concentration

	Hours
Required Prerequisite and Collateral Courses	29–31
Core Courses	16
Concentration Requirements	22
General Education and Electives to reach Minimum Total Hours	51–53
Minimum Total Hours—BS with a Major in Earth and Environmental Sciences—Environmental Earth Sciences Concentration	120

General Education

See *General Education and Writing-in-the-Discipline* in *College of Liberal Arts and Sciences* section for information on meeting these requirements. Students should consult the course lists below and their advisors to determine which courses are counted toward the General Education and Writing-in-the-Discipline requirements.

Required Prerequisite and Collateral Courses—Environmental Earth Sciences Concentration Courses

Courses	Hours
One of the following options in general physics:	4–5
PHYS 105—Introductory Physics I—Lecture (4) ^{ab}	
PHYS 106—Introductory Physics I—Laboratory (1) ^{ab}	
OR	
PHYS 141—General Physics I (Mechanics) (4) ^a	
CHEM 112—General College Chemistry I ^a	5
One of the following courses:	5
CHEM 114—General College Chemistry II (5) ^a	
CHEM 130—Survey of Organic and Biochemistry (5) ^a	
MATH 180—Calculus I ^{ac}	5
MATH 181—Calculus II ^a	5
Two courses in the area of environmental studies, chosen in consultation with the department undergraduate advisor	5–6
Total Hours—Required Prerequisite and Collateral Courses	29–31

^a is course is approved for the Analyzing the Natural World General Education category.

^b PHYS 105/PHYS 106 will be considered one course in meeting the LAS General Education requirements.

^c MATH 180 fulfills the LAS Quantitative Reasoning requirement.

Core Courses

See *Core Courses* under heading *Degree Requirements—Both Concentrations*.

Environmental Earth Sciences Concentration Requirements

Courses	Hours
EAES 200—Field Work in Missouri ^a	2
EAES 285—Environmental Geology	4
EAES 310—Introduction to Geochemistry	4
EAES 475—Hydrology/Hydrogeology	4
Eight hours from the following:	8
EAES 350—Principles of Sedimentology and Stratigraphy (4)	
EAES 440—Structural Geology and Tectonics (4)	
EAES 470—Surficial Processes (4)	
EAES 480—Statistical Methods in Earth and Environmental Sciences (4)	
Total Hours—Concentration Requirements	22

^a is course is approved for the Analyzing the Natural World General Education category.

Recommended Plan of Study

To view a recommended plan of study for the BS with a Major in Earth and Environmental Sciences, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Earth and Environmental Sciences

Students from other disciplines who want to minor in Earth and Environmental Sciences must take 18 semester hours, chosen with the approval of the department. A maximum of 10 hours may be at the 100-level. EAES 200—Field Work in Missouri is required. Students must take at least 9 hours at the 200-level or above.

Distinction

To be recommended for graduation with Departmental Distinction, a student must have a GPA in mathematics and science courses of 3.20/4.00 or better, 3.50/4.00 or better for High Distinction, and 3.70/4.00 or better for Highest Distinction as well as superior performance in EAES 396—Independent Research.

DEPARTMENT OF ECONOMICS

725 University Hall (UH)
(312) 996-2683

uicecon@web.econ.uic.edu
<http://www.uic.edu/depts/econ/>

Director of Undergraduate Studies, Evelyn Lehrer,
elehrer@uic.edu

The Department of Economics offers a Bachelor of Arts degree with a major in Economics. The program provides instruction on economic institutions and a rigorous foundation in the analytical tools and applied areas of economics, relying on mathematical and statistical techniques. Students learn how the price system operates; how consumers, firms, and government institutions allocate scarce resources; and the determinants of national output, inflation, unemployment, economic growth, and international trade. Laws, regulations, and institutions that influence economic activity are also studied. After learning the basic tools of microeconomics and macroeconomics in the intro-

ductory courses, students go on to study various applied areas of economics in the more advanced courses.

The program provides a strong grounding for many careers in banking, insurance, service and manufacturing firms, labor unions, business associations, government agencies, and not-for-profit organizations. It also gives an excellent background to students who intend to continue their education. In particular, it provides a solid preparation for law school, an MBA program, and graduate studies in economics, business, public administration, and public policy.

In cooperation with the Department of Spanish, French, Italian, and Portuguese, the Department of Economics also offers instruction leading to the Bachelor of Arts in Spanish-Economics degree. See the appropriate section under the *Department of Spanish, French, Italian and Portuguese* for information regarding this program.

Students are encouraged to contact the director of undergraduate studies of the economics department for further information on the field of economics and career options for economics majors.

BA with a Major in Economics

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Economics degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA with a Major in Economics Degree Requirements	Hours
Required Prerequisite and Collateral Course	5
Major Requirements	37
General Education and Electives to reach Minimum Total Hours	78
Minimum Total Hours—BA with a Major in Economics	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Required Prerequisite and Collateral Course

Course	Hours
MATH 160—Finite Mathematics for Business ^{ab}	5
Total Hours—Required Prerequisite and Collateral Course	5

^a is course is approved for the Analyzing the Natural World General Education category.

^b MATH 160 fulfills the LAS Quantitative Reasoning Requirement.

Students are encouraged to complete MATH 160 as early as possible since many sophomore and junior courses require knowledge of the content of this course.

Students who plan to go on to graduate school in a program that emphasizes quantitative skills are strongly encouraged to take MATH 180 and 181 and, if possible, MATH 210 and 310 also. MATH 180 may be taken in place of the required ECON 345. Students planning to take MATH 180 may be required to take a trigonometry course as a prerequisite depending on their performance on the placement test.

Major Requirements

Courses	Hours
ECON 120—Principles of Microeconomics ^{ab}	3
ECON 121—Principles of Macroeconomics ^{ab}	3

ECON 220—Microeconomics: Theory and Business Applications ^c	3
ECON 221—Macroeconomics in the World Economy: Theory and Applications	3
ECON 270—Statistics for Economics	4
ECON 345—Introduction to Mathematical Microeconomics	3
ECON 346—Econometrics	3
ECON 395—Research and Writing in Economics ^d	0
Five additional economics courses at the 300- or 400-level, excluding ECON 441 and 442.	15
Total Hours—Major Requirements	37

^a is course is approved for the Understanding the Individual and Society General Education category.

^b is course is approved for the Understanding U.S. Society General Education category.

^c Students may substitute ECON 218 (4 hours) for ECON 220.

^d ECON 395 fulfills the Writing-in-the-Discipline requirement.

Course Suggestions for Economics Careers

Students may choose any 300- or 400-level courses for the 15 hours in advanced economics requirement. The following groups of courses are offered as guidance to students who may have an interest in one of the career/educational paths shown below.

Business/Financial Economics Courses

ECON 322—Managerial Economics
ECON 323—Business Conditions Analysis
ECON 329—Industrial Organization
ECON 333—International Economics
ECON 339—Monetary Theory
ECON 365—Economics of Risk and Insurance
ECON 450—Business Forecasting Using Time-Series Methods

Human Resources Courses

ECON 331—Labor Economics
ECON 334—Economic Development
ECON 351—Economics of Education
ECON 353—Economic Demography
ECON 354—Health Economics

Urban Economics/Real Estate Courses

ECON 331—Labor Economics
ECON 332—Urban Economics
ECON 342—Regional Economics
ECON 371—Introduction to Urban Real Estate
ECON 370—Environmental Economics
ECON 472—Real Estate Finance
ECON 475—Real Estate Markets and Valuation

International Studies Courses

ECON 323—Business Conditions Analysis
ECON 333—International Economics
ECON 334—Economic Development
ECON 339—Monetary Theory
ECON 353—Economic Demography

Pre-Graduate School in Economics/Business/Public Policy/Public Administration Courses

ECON 324—Economic History of the United States
ECON 326—History of Economic Thought
ECON 328—Public Finance
ECON 329—Industrial Organization
ECON 331—Labor Economics
ECON 332—Urban Economics
ECON 333—International Economics
ECON 334—Economic Development
ECON 436—Mathematical Economics

Pre-Law Courses

ECON 320—Law and Economics
ECON 324—Economic History of the United States
ECON 328—Public Finance
ECON 329—Industrial Organization
ECON 330—Government and Business
ECON 331—Labor Economics
ECON 354—Health Economics
ECON 365—Economics of Risk and Insurance

Recommended Plan of Study

To view a recommended plan of study for the major in Economics, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Economics

Students who wish to minor in Economics must complete 18 semester hours as outlined below:

Required Courses—Economics Minor	Hours
ECON 120—Principles of Microeconomics	3
ECON 121—Principles of Macroeconomics	3
ECON 220—Microeconomics: Theory and Business Applications ^a	3
ECON 221—Macroeconomics in the World Economy: Theory and Applications	3
Two economics courses at the 300- or 400-level	6
Total Hours—Economics Minor	18

^a Students may substitute ECON 218 (4 hours) for ECON 220.

Minor in Human Capital and Labor Markets

The College of Liberal Arts and Sciences offers a Minor in Human Capital and Labor Markets. The minor is an option for undergraduate students who wish to complement their major field of study with knowledge on various aspects of human resources, including investments in education and health, work in the labor market, and economic demography. The minor requires 18 hours as distributed below:

Required Courses—Human Capital and Labor Markets Minor	Hours
ECON 120—Principles of Microeconomics	3
ECON 220—Microeconomics: Theory and Practice ^a	3
ECON 331—Labor Economics	3

Three courses selected from the following: 9

ECON 351—Economics of Education (3)
ECON 353—Economic Demography (3)
ECON 354—Health Economics (3)
ANTH 214—Sex and Gender in World Cultures (3)
PSCH 210—Theories of Personality (3)

SOC 224—Gender and Society (3)
 SOC 225—Racial and Ethnic Groups (3)
 SOC 244—Sociology of Work (3)

Total Hours—Human Capital and Labor Markets Minor 18

Note: Students may use courses to fulfill the requirements in both their major and this minor, but the credit hours may only be used in one or the other. For example, a student majoring in Sociology may use SOC 224 for this minor, but would need to take an extra 3-hour 200-level Sociology course towards the Sociology major. Please note that students choosing to take PSCH 210, SOC 224, SOC 225, or SOC 244 must take the corresponding prerequisite course(s).

^a Students may substitute ECON 218 (4 hours) for ECON 220.

Distinction

Departmental Distinction may be awarded if the student meets the following criteria:

Distinction: 3.25/4.00 overall GPA and 3.25/4.00 economics GPA

High Distinction: 3.50/4.00 overall GPA and 3.50/4.00 economics GPA

Highest Distinction: 3.75/4.00 overall GPA and 3.75/4.00 economics GPA, and completion of an honors thesis via registration for one or two sections of ECON 399—Independent Study in Economics under the supervision of a faculty advisor (a minimum of 3 hours and a maximum of 6 hours).

DEPARTMENT OF ENGLISH

2027 University Hall (UH)
 (312) 413-2200

<http://www.uic.edu/depts/engl>

Administration: Head, Mark Canuel

Director of Undergraduate Studies, Mark Chiang,
mchiang@uic.edu

The Department of English offers a Major in English and Minor in English, and a Major in Teacher Education and Minor in Teacher Education.

The field of English focuses on the study and practice of various forms of writing in English. It includes:

1. the study of written works in English—whether by writers from the United States, Britain, former colonies, the Commonwealth nations, or elsewhere—whose aesthetic achievement and cultural significance qualifies them as literature;
2. the study of literary criticism and theory, of the relationship between literature and popular culture, and of allied narrative forms such as film, performance, electronic communications, and other new media;
3. the study of the English language, its historical development, and its rhetorical dimensions;
4. the theory and practice of writing, whether of poetry, fiction, nonfiction prose, or other expository forms;
5. the theory and practice of teaching English language and literature, particularly at the secondary level.

Students who major in English develop broad reading and writing skills that make possible both an analytical engagement with, and a critical understanding of, diverse fields of cultural and aesthetic production. The English major offers excellent preparation for careers in writing, editing, publishing, teaching, government, law, and advertising.

BA with a Major in English

Degree Requirements—Major in English

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of English degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies. Students are encouraged to seek advising each semester in both LAS and the English department.

BA with a Major in English Degree Requirements	Hours
Core Requirements	12
Selected Concentration Requirements	9
English Electives	15
General Education and Electives to reach Minimum Total Hours	84
Minimum Total Hours—BA with a Major in English	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Core Requirements

All English majors must complete the following courses with a grade of C or better.

Courses	Hours
ENGL 240—Introduction to Literary Study and Critical Methods ^a	3
ENGL 241—English Literature I: Beginnings to 1660	3
ENGL 242—English Literature II: 1660–1900	3
ENGL 243—American Literature: Beginnings to 1900	3
Total Hours—Core Requirements	12

^a English 240 fulfills the Writing-in-the-Discipline requirement.

Upper-Level Courses

Students must take at least two courses at the 300-level or above.

Courses from Other Departments

Students may count one course from another department toward the English major. Upper-level courses in other departments may require prerequisites. For approved courses, see those listed in the concentrations.

Selected Concentration Requirements

Within the English major, students must select and complete one of the following concentrations. A concentration consists of three courses, no more than one of which may be taken at the 100-level and one of which must be taken at the 400-level.

Below are the courses that qualify for each concentration. Note that for the writing concentration, the required course sequence has been specified. Any course not listed under a concentration may only count as an elective. In certain cases, students may petition the Office of Undergraduate Studies to have courses counted toward a concentration or toward one other than those indicated below. For more information, see the catalog Course Descriptions or the departmental Web site <http://www.uic.edu/depts/engl>.

Courses	Hours
Three courses from one of the following concentrations:^a	9

British and Anglophone Literature:

ENGL 103, 104, 105, 106, 107, 108, 114, 260, 303, 304, 305, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 333, 351, 358, 403, 405, 408, 413, 416, 417, 419, 421, 422 (Courses from other departments that count toward this concentration: CL 208, 250, 251, 252, 253; FR 191; GER 122, 123, 316, 422, 438; POL 241, 321; RUSS 241, 242, 321, 322)

American Literature:

ENGL 103, 104, 105, 106, 109, 112, 113, 118, 119, 123, 125, 260, 261, 262, 265, 295, 303, 304, 305, 321, 323, 324, 325, 326, 327, 328, 351, 359, 426, 427, 441, 470, 471, 473 (Courses from other departments that count toward this concentration: FR 191; LALS 192, 295, 427; SPAN 224, 226)

Media, Rhetorical, and Cultural Studies:

ENGL 102, 110, 111, 115, 117, 120, 121, 122, 125, 200, 202, 232, 233, 234, 262, 265, 302, 341, 342, 343, 351, 361, 362, 363, 364, 370, 372, 374, 375, 400, 401, 402, 403, 428, 429, 438, 440, 443, 444, 445, 446, 448, 469, 472, 474, 478, 483, 484, 485 (Courses from other departments that count toward this concentration: FR 196, 198, 413, 440; GER 125, 217, 240, 316, 318, 437, 480; PHIL 220, 221, 223, 224, 225, 232, 241, 420, 421, 423, 424, 425; LALS 275, 278, 350; SPAN 225)

Creative Writing (Fiction, Poetry, or Nonfiction):

Fiction: ENGL 212, 491

Poetry: ENGL 210, 490

Nonfiction: ENGL 201, 492

Total Hours—Selected Concentration Requirements	9
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^a Students should consult the General Education section of the catalog to determine if any of the courses on these lists are approved for General Education.

English Electives

Courses	Hours
Five additional courses, no more than one of which may be at the 100-level	15
Total Hours—English Electives	15

Distribution Requirements

In addition to the Core requirements, all English majors must take the following, distributed across their concentration and electives:

- One course in materials before 1900
- One course in materials after 1900
- One course in U.S. Social and Cultural Diversity

Courses Within Each Distribution*

Materials before 1900:

ENGL 107, 118, 297, 311, 312, 313, 314, 315, 316, 317, 321, 323, 324, 403, 405, 408, 413, 416, 417, 419, 421, 426, 478 (Courses from other departments that fulfill this requirement: CL 208, 250, 251, 252, 253; GER 240, 316, 422, 437, 438, 480; PHIL 220, 221, 223, 224, 232, 241, 243, 420, 421; POL 241, 321; RUSS 241, 242, 321; SPAN 226)

Materials after 1900:

ENGL 102, 114, 119, 120, 121, 202, 232, 233, 234, 260, 265, 302, 318, 319, 320, 325, 326, 327, 333, 351, 358, 422, 427, 428, 472 (Courses from other departments that fulfill this requirement: FR 191, 196, 198, 413, 440; GER 122, 123, 125, 217, 318; LALS 192, 270, 275, 278, 295, 350, 427; PHIL 232; RUSS 322; SPAN 224, 225)

U.S. Social and Cultural Diversity:

ENGL 110, 111, 112, 113, 114, 117, 118, 119, 123, 125, 260, 261, 262, 265, 295, 328, 333, 341, 342, 343, 351, 358, 359, 361, 362, 363, 364, 422, 428, 429, 440, 441, 443, 444, 445, 469, 470, 471,

472, 473, 474 (Courses from other departments that fulfill this requirement: GER 123; LALS 192, 278, 295, 350, 427; PHIL 232; SPAN 224)

Courses may be used to satisfy more than one distribution requirement.

* Students should consult the General Education section of the catalog to determine if any of the courses on these lists are approved for General Education.

Recommended Plan of Study

To view a recommended plan of study for the major in English, please visit the LAS Web site at <http://www.uic.edu/las/college/info/fygp>.

Minor in English

Students from other disciplines who want to minor in English must complete 18 semester hours as follows:

Required Courses—English Minor	Hours
Students must complete the following courses with a grade of C or better.	
ENGL 240—Introduction to Literary Study and Critical Methods	3
ENGL 243—American Literature: Beginnings to 1900	3
One of the following courses:	3
ENGL 241—English Literature I: Beginnings to 1660 (3)	
ENGL 242—English Literature II: 1660–1900 (3)	
One course in U.S. Social and Cultural Diversity (see list above)	3
Two additional courses in English, one of which may be at the 100-level	6
Total Hours—English Minor	18

Writing Internship Program

In conjunction with the LAS-COOP, the English department offers writing internships in fields, such as journalism, public relations, advertising, publishing, corporate communications, technical writing, information technology, and broadcasting. Students benefit by acquiring hands-on experience and professional writing samples for use in job applications.

To qualify, students must be enrolled full-time at UIC, have taken English 202 and 240, and be in good academic standing. Students who wish to receive credit for their writing internship must be admitted to and enroll in ENGL 493—Internship in Nonfiction Writing.

BA in the Teaching of English

Degree Requirements—Teaching of English

To earn a Bachelor of Arts in the Teaching of English degree from UIC, students must complete University, college, and department degree requirements. The Department of English degree requirements are outlined below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BA in the Teaching of English Degree Requirements	Hours
Core Requirements	12
English Electives	9
Required Methods Courses	12
Collateral Courses	12
Additional Requirements for Teacher Certification	13
General Education and Electives to reach the Minimum Total Hours	62
Minimum Total Hours—BA in the Teaching of English	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for information on meeting these requirements.

Core Requirements

Courses	Hours
ENGL 240—Introduction to Literary Study and Critical Methods ^a	3
ENGL 241—English Literature I: Beginnings to 1660	3
ENGL 242—English Literature II: 1660–1900	3
ENGL 243—American Literature: Beginnings to 1900	3
Total Hours—Core Courses	12

^a ENGL 240 fulfills the Writing-in-the-Discipline requirement

English Electives

Courses	Hours
Three courses at the 200-level or above to be chosen in consultation with the English advisor.	9
Total Hours—English Electives	9

Required Methods Courses

Recommended to be taken in consecutive semesters.

Courses	Hours
ENGL 459—Introduction to the Teaching of English in Middle and Secondary Schools	3
ENGL 486—The Teaching of Writing in Middle and Secondary Schools	3
ENGL 489—Teaching of Reading and Literature in Middle and Secondary Schools	3
ENGL 481—Methods of Teaching English in Middle and Secondary Schools	3
Total Hours—Required Methods Courses	12

Collateral Courses

Courses	Hours
ENGL 498—Educational Practice with Seminar I	6
ENGL 499—Educational Practice with Seminar II	6
Total Hours—Collateral Courses	12

Additional Requirements for Teacher Certification

Courses	Hours
ED 200—Education Policy Foundations	3
ED 210—The Educative Process	3
ED 330—Curriculum, Instruction, and Evaluation in the Secondary School	4
SPED 410—Survey of Characteristics of Learners with Disabilities	3
Total Hours—Additional Requirements for Teacher Certification	13

To be recommended for student teaching, ENGL 498 and 499—Educational Practice with Seminar I and II, a student must complete all program course requirements (general requirements for the major, the Core courses, Methods courses, and courses in Professional Education) with a minimum grade point average of 3.00/4.00 in English courses taken at UIC. Students intending to complete student teaching must obtain the provisional approval of the director of English education in the academic year preceding the academic year in which student teaching is to be done.

In addition to specified course work in the major field, the teacher education student must fulfill certain other requirements as well as maintain a minimum major GPA of 3.00/4.00, a cumulative GPA of 2.50/4.00, and a minimum GPA of 3.00/4.00 in education courses. For detailed information, see the *Program Guide for Teacher Education in English*, available from the secondary education coordinator in the Department of English.

The teaching certificate is not automatically awarded upon successful completion of certification and degree requirements. Before the certificate is issued, the candidate must file an application for the Illinois teaching certificate with the Council on Teacher Education. The candidate must also pass a series of examinations required by the Illinois State Board of Education. The Basics Skills Test must be passed prior to applying for candidacy with the Council on Teacher Education. The Content Area Test must be passed before the candidate is allowed to student teach. The Assessment of Professional Teaching must be passed prior to certification. For information on application procedures, contact the Council on Teacher Education located in EPASW 3015. See *College of Education: Council on Teacher Education* and *Secondary Education Program* in the *College of Education* section of the catalog.

Recommended Plan of Study

To view a recommended plan of study for the Bachelor of Arts in the Teaching of English, please visit the LAS Web site at <http://www.uic.edu/las/college/info/fygp>.

Minor in the Teaching of English

Secondary education majors from other disciplines who want to minor in the Teaching of English must complete 18 hours in the English minor curriculum listed.

This minor is open only to students obtaining full certification in an approved UIC Teacher Education major. To teach English as a second subject in Illinois public schools, one must apply for and receive an Endorsement from the State Board of Education and meet all of the additional course and other requirements the Board has established.

The teaching certificate is not automatically awarded upon successful completion of certification and degree requirements. Before the certificate is issued, the candidate must file an application with the State of Illinois and take an examination administered by the State Board of Education. For information on application procedures, contact the Council on Teacher Education in the College of Education.

Distinction

Departmental Distinction. To be eligible for Departmental Distinction, a candidate must have:

1. attended UIC for three semesters,
2. a cumulative GPA of 3.00/4.00,
3. completed a minimum of 21 hours at UIC in courses required for the major, and
4. a GPA of 3.50/4.00 in courses required for the major.

High Distinction. To be eligible for High Distinction, a candidate must complete all requirements for Departmental Distinction with a GPA of 3.75/4.00 in courses required for the major.

Highest Distinction. To be eligible for Highest Distinction, a candidate must meet all requirements for High Distinction and complete ENGL 398—English Honors Thesis with a grade of A.