

DEPARTMENT OF GENDER AND WOMEN'S STUDIES

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<http://www.uic.edu/depts/wsweb/WSweb.html>
 Administration: Director, Barbara Ransby
 Director of Undergraduate Studies, Jennifer Brier

Gender and Women's Studies is an interdisciplinary field of study that explores issues related to the history and status of women, the broad range of social roles filled by women and men across human cultures, and the place of sexuality in society and culture. The program starts from the assumption that "gender matters" and then explores how and why it has mattered in the past and the present, and how it intersects with issues of race, class, and sexual orientation. In a world where women's and men's roles have been changing rapidly, studying the impact of gender both on everyday experience and society's institutions will help students make more informed choices about their own lives. Through a sustained commitment to scholarship that engages communities and institutions beyond the campus, faculty equip students to meet the challenges of contemporary society.

As with other liberal arts and sciences programs, Gender and Women's Studies pays special attention to developing the ability of students to think critically, to evaluate evidence, to construct logical arguments, to engage in moral reasoning, and to write well. Graduates of Gender and Women's Studies programs have found employment in such diverse fields as social services, criminal justice, publishing, teaching, educational administration, health services, and public policy advocacy. A major in Gender and Women's Studies is a good basis from which to apply to graduate school as well as to professional schools like law and journalism.

BA with a Major in Gender and Women's 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 Gender and Women's 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 Gender and Women's 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 Gender and Women's 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
GWS 101—Gender in Everyday Life ^{ab}	3
GWS 102—Global Perspectives on Women and Gender ^{ac}	3
GWS 292—History and Theories of Feminism ^d	3
GWS 390—Feminism and Social Change	3

One course each from three of the following four categories:^e

Culture and Representation

GWS 111, 117, 120, 192, 204, 211, 244, 261, 272, 275, 276, 304, 311, 361, 363, 406, 413, 428, 439, 462, 469, or 472.

Science, Health, and the Body

GWS 214, 238, 262, 312, 315, 419, 441, 450, or 462.

Feminism, Social Policy, and the State

GWS 110, 202, 224, 232, 259, 262, 275, 276, 356, 406, 412, 424, 425, 428, 462, 478, 484, or 485.

Sexuality and Society

GWS 117, 203, 204, 211, 224, 232, 252, 272, 290, 304, 311, 362, 363, 403, 419, 462, 484, or 490.

Four additional GWS courses	12
Total Hours—Major Requirements	33

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

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

^c This course is approved for the Exploring World Cultures General Education category.

^d GWS 292 fulfills the Writing-in-the-Discipline requirement.

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

Of the 33 hours required for the major, no more than 9 hours can be at the 100-level and at least 6 hours must be at the 400-level. The same course cannot count toward more than one category requirement for the major. No more than 3 hours of GWS 396 may be applied to the major.

Recommended Plan of Study

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

Minor in Gender and Women's Studies

Gender and Women's Studies provides undergraduates with an interdisciplinary understanding of the history and representation of gender constructions and sexual identities, their intersections with other social categories such as race and class, and the economic and political implications of gender and sexual differences both in the U.S. and across the globe. Academic inquiry into the changing roles of women and men, gays, lesbians, bisexuals, and transgendered people allows students to understand themselves and their relationships with others and helps them make informed choices about their own lives. Further, a Minor in Gender and Women's Studies provides valuable background for students who plan to pursue careers dealing with issues of gender and sexuality.

Requirements for the Minor

Students from other disciplines who wish to minor in Gender and Women's Studies must complete 18 semester hours distributed as follows.

Required Courses—Gender and Women's Studies Minor	Hours
GWS 101—Gender in Everyday Life	3
GWS 102—Global Perspectives on Women and Gender	3
GWS 292—History and Theory of Feminism ^a	3
GWS 390—Feminism and Social Change	3
Two additional courses in GWS at the 200-level or above ^b	6
Total Hours—Gender and Women's Studies Minor	18

^a GWS 292 is a Writing-in-the-Discipline course.

^b No more than 3 hours of GWS 396—Independent Study/Research may be applied to the minor.

DEPARTMENT OF GERMANIC STUDIES

1524 University Hall (UH)
(312) 996-3205

<http://www.german.uic.edu>

Administration: Head, Astrida Orle Tantilio
Director of Undergraduate Studies, David Weible,
weible@uic.edu

Academic Advisors: David Weible, German with Business
Minor; Susanne Rott, Teaching of German

The Department of Germanic Studies offers courses at the elementary, intermediate, and advanced levels. The undergraduate program provides the opportunity to develop skills in understanding, speaking, reading, and writing German and to learn about the language, literature, and culture of the German-speaking regions of the world. Courses in Yiddish language, literature, and culture are also offered.

Students who major or minor in Germanic Studies may use their training in a variety of occupations, including teaching, translation, international marketing, banking and commerce, diplomatic service, and journalism.

BA with a Major in Germanic Studies

Majors in Germanic Studies must complete either the Germanic Studies Concentration or the German with a Business Minor Concentration.

Degree Requirements—Germanic Studies—Concentration I

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 Germanic 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 Germanic Studies— Germanic Studies Degree Requirements	Hours
Concentration I Requirements	31
General Education and Electives to reach Minimum Total Hours	89
Minimum Total Hours—BA with a Major in Germanic 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.

Concentration I Requirements—Germanic Studies

Courses	Hours
GER 211—Advanced German I	3
GER 300—Writing in the Study of German ^a	1
Six hours of designated language courses (l) ^b	6
Twelve hours of designated literature/culture courses (l/c) ^b	12
Nine hours of additional Germanic studies courses.	
Program must be approved by major advisor.	9
Total Hours—Concentration I Requirements— Germanic Studies	31

^a GER 300 fulfills the *Writing-in-the-Discipline* requirement.

^b For area designations, see individual course listings.

Courses for the major must be at the 200-level or higher.

Recommended Plan of Study

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

Degree Requirements—German with Business Minor—Concentration II

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 Germanic 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.

Concentration II must be chosen to qualify for the Business Minor. Declaration of the major must be approved by the program director.

BA with a Major in Germanic Studies with a Business Minor Degree Requirements	Hours
Concentration II Requirements	31
Required Collateral Courses	15
General Education and Electives to reach Minimum Total Hours	74
Minimum Total Hours—BA with a Major in Germanic Studies with a Business Minor	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.

Concentration II Requirements—German with a Business Minor

Courses	Hours
GER 211—Advanced German I	3
GER 212—Advanced German II	3
GER 215—Business German	3
GER 300—Writing in the Study of German ^a	1
GER 310—Practice in German Language Skills	3
GER 311—Contemporary Germanic Culture and Society	3
GER 315—Advanced Business German	3

One of the following courses:

GER 401—Advanced Practice in German Language Skills (3)	3
GER 408—Introduction to Translation Theory (3)	3
GER 450—Business Operations in German-Speaking Countries	3
Six hours of Germanic studies courses, GER 492 and 493 are recommended	6

Total Hours—Concentration II Requirements— German with a Business Minor	31
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^a GER 300 fulfills the *Writing-in-the-Discipline* requirement.

Courses for the major must be at the 200-level or higher.

Required Collateral Courses

These courses constitute a business minor.

Courses	Hours
ACTG 210—Introduction to Financial Accounting	3
ECON 130—Principles of Economics for Business ^{abc}	5
IDS 200—Introduction to Management Information Systems	4
BA 200—Managerial Communication	3
Total Hours—Required Collateral Courses	15

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

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

^c Students may substitute ECON 130 with ECON 120 and 121.

Recommended Plan of Study

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

Minor in Germanic Studies

Students from other disciplines who want to minor in Germanic Studies must complete 12 semester hours, chosen from any courses at the 200-level or above that count as credit toward the BA with a Major in Germanic Studies. Students must select courses for the minor with approval from a major advisor.

BA in the Teaching of German

Degree Requirements—Teaching of German

To earn a Bachelor of Arts in the Teaching of German degree from UIC, students must complete University, college, and department degree requirements. The Department of Germanic 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 in the Teaching of German Degree Requirements	Hours
Major Requirements	34
Additional Requirements for Teacher Certification	25
General Education and Electives to reach Minimum Total Hours	61
Minimum Total Hours—BA in the Teaching of German	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
GER 300—Writing in the Study of German ^a	1

Teaching Methodology

Two of the following courses:	6
GER 407—Theoretical and Research Foundations of Communicative Language Teaching (3)	
GER/SPAN 448—Foundations of Second Language Teaching (3)	
GER/SPAN 449—Teaching Second Language Literacy and Cultural Awareness (3)	

Language Focus

Three of the following courses:	9
GER 211—Advanced German I (3)	
GER 212—Advanced German II (3)	
GER 214—German Conversation and Pronunciation (3)	
GER 215—Business German (3)	
GER 310—Practice in German Language Skills (3)	
GER 401—Advanced Practice in German Language Skills (3)	

Culture Focus

Four of the following courses:^b	12
GER 217—German Cinema (4)	
GER 218—Opera in Germanic Cultures: From Mozart to Berg (3)	
GER 219—Vikings and Wizards: Northern Myth and Fairy Tales in Western Culture (3)	
GER 290—Introduction to Germanic Literature (3)	
GER 311—Contemporary Germanic Culture and Society (3)	
GER 316—Periods of Germanic Literature and Culture (3)	
GER 318—Topics in Germanic Literatures and Cultures (3)	
GER 333—Topics in Genres in Germanic Studies (3)	
GER 370—Introduction to the Theory and Practice of German Cultural Studies (3)	
GER 411—The City as Cultural Focus (3)	
GER 420—Germanic Cultural Studies I: Genres (3)	
GER 421—Germanic Cultural Studies II: Authors, Movements, Periods (3)	

- GER 422—Germanic Cultural Studies III: Themes (3)
- GER 437—Contemporary Germanic Literature (3)
- GER 438—The Faust Legend (3)
- GER 439—Gender and Cultural Production (3)
- GER 450—Business Operations in German-Speaking Countries (3)

Interdisciplinary Focus^c

Two of the following courses:	6
GER 215—Business German (3)	
GER 370—Introduction to the Theory and Practice of German Cultural Practices (3)	
GER 401—Advanced Practice in German Language Skills (3)	
GER 450—Business Operations in German-Speaking Countries (3)	
Additional GER courses at the 200-level or above	0–6
Total Hours—Major Requirements	34

^a GER 300 fulfills the *Writing-in-the-Discipline* requirement.

^b Students should consult the General Education section of the catalog to determine if any of these courses are approved General Education courses.

^c Courses from the interdisciplinary grouping may be applied to the language or culture requirements.

Additional Requirements for Teacher Certification

Courses	Hours
ED 200—Educational 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
GER 494—Educational Practice with Seminar I	6
GER 495—Educational Practice with Seminar II	6
Total Hours—Additional Requirements for Teacher Certification	25

In addition to specified course work in the major field, the teacher education student must fulfill certain other requirements and must maintain a minimum departmental 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 German*, available from the secondary education coordinator in the Department of Germanic Studies.

Programs must be approved by the major advisor in Germanic Studies. Certification requirements need to be approved by the Certification Officer in the Council on Teacher Education.

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 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 Bachelor of Arts in the Teaching of German, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in the Teaching of German

Secondary education majors from other disciplines who want to minor in the Teaching of German must complete 12 hours as follows:

Required Courses—Teaching of German Minor	Hours
GER 211—Advanced German I	3
GER 212—Advanced German II	3
Two additional Germanic studies courses at the 200-level or above	6
Total Hours—Teaching of German Minor	12

Students are strongly encouraged to take GER 401, 407.

This minor is open only to students obtaining full certification in an approved UIC Teacher Education major. To teach German 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

Students who complete the major with a GPA of 3.60/4.00 in courses applied to the major are recommended for Departmental Distinction. Students who qualify for Distinction and complete GER 398—Honors Project may qualify for High or Highest Distinction.

Foreign Language Requirement

The courses required for completing the foreign language requirement are GER 101, 102, 103, and 104; or GER 106 and 107.

Overseas Program

A portion of the credits toward the majors offered by the Department of Germanic Studies may be earned mainly through the Study Abroad Program conducted either in Berlin, Germany, or in Vienna, Austria. GER 104 level language proficiency or higher is required for the Austria Illinois program in Vienna. Students should apply through the Germanic Studies Department.

DEPARTMENT OF HISTORY

913 University Hall (UH)
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<http://www.uic.edu/depts/hist/>

Administration: Chair, James Searing, jsearing@uic.edu
Director of Undergraduate Studies, Richard S. Levy, rslevy@uic.edu

Director of Teaching of History Education, Robert Johnston, johnsto1@uic.edu

History is the study of the human past. It is both a subject matter and a way of thinking—a discipline. No people, time, or place is neglected in the investigation of the human community's historical record. And no method is alien to the historian's quest for understanding. The historian's interests embrace the permanent and changing concerns of our civilization: the individual and society; the emergence of nations; the rise and fall of empires; race and ethnicity; class, gender, and status; war and revolution; science and technology; slavery and emancipation;

dictatorship and democracy; rural life and urbanization; the struggle for empowerment waged by minorities, women, and workers; the life of the mind; religion; and culture. Because every succeeding generation has new questions to ask of the past, history is constantly being rewritten. The discipline of history rests on the discovery, evaluation, and ordering of evidence. It sharpens critical reading and writing skills and gives students practice in the use of these basic tools of modern life. The study of history is excellent preparation for careers in a wide variety of fields, including business, journalism, government, information science, museum administration, and the law.

BA with a Major in History

Degree Requirements—Major in History

To earn a Bachelor of Arts degree in Liberal Arts and Sciences from UIC, students must complete University, college, and department degree requirements. The Department of History 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 History Degree Requirements	Hours
Major Requirements	33
General Education and Electives to reach Minimum Total Hours	87
Minimum Total Hours—BA with a Major in History	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
100-level history courses ^a	3–12
200-level history courses ^a	9–15
300-level history courses, including HIST 300—History Methods Colloquium (3) ^b	3–6
400-level history courses	9

Courses above must be distributed across several fields as follows:

African, Asian, Middle Eastern, or Latin

American:

Minimum of 6 hours

European:

Minimum of 6 hours in ancient, medieval, or modern European history

United States:

Minimum of 6 hours in U.S. history

Total Hours—Major Requirements 33

^a Students should consult the General Education section of the catalog for 100- and 200-level history courses approved as General Education courses.

^b HIST 300 fulfills the Writing-in-the-Discipline requirement.

History majors, in consultation with the director of undergraduate studies, shall define a field of concentration consisting of at least 12 semester hours (4 courses) beyond the 100-level.

To complete the History major, students will write a research paper based on primary sources in a 400-level course of their choosing.

Recommended Plan of Study

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

Minor in History

Students from other disciplines who want to minor in history must complete 15 semester hours with at least 9 semester hours at the 200-level or above.

BA in the Teaching of History

Degree Requirements—Teaching of History

To earn a Bachelor of Arts degree in the Teaching of History from UIC, students must complete University, college, and department degree requirements. The Department of History 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 History Degree Requirements	Hours
Major Requirements	36
Prerequisite and Collateral Courses	6
Additional Requirements for Teacher Certification	28
General Education and Electives to reach Minimum Total Hours	50
Minimum Total Hours—BA in the Teaching of History	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
One of the following courses:	3
HIST 106—The World since 1400 (3) ^a	
HIST 114—Topics in World History (3) ^a	
One of the following courses:	3
HIST 100—Western Civilization to 1648 (3) ^b	
HIST 101—Western Civilization since 1648 (3) ^b	
One of the following courses:	3
HIST 103—American Civilization to the Late Nineteenth Century (3) ^c	
HIST 104—American Civilization since the Late Nineteenth Century (3) ^c	
One of the following courses:	3
HIST 255—History of Chicago (3) ^c	
HIST 257—History of Illinois (3) ^c	
Two additional 200-level history courses	6
HIST 300—History Methods Colloquium ^d	3
HIST 320—Teaching History and the Related Disciplines	3
HIST 420—Teaching the Social Sciences ^e	3
Three additional 400-level history courses	9

The above course work must be distributed across three fields as follows:

African, Asian, Middle Eastern, or Latin American:

Minimum of 6 hours

European:

Minimum of 6 hours in ancient, medieval, or modern European history

United States:

Minimum of 12 hours in U.S. history

Total Hours—Major Requirements	36
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^a HIST 106 and 114 count toward the field of African, Asian, Middle Eastern, and Latin American history. HIST 106 is approved for the following General Education categories: *Understanding the Past; Exploring World Cultures*. HIST 114 is approved for the following General Education category: *Understanding the Past*.

^b HIST 100 and 101 count toward the field of European history. HIST 100 is approved for the following General Education category: *Understanding the Past*. HIST 101 is approved for the following General Education categories: *Understanding the Individual and Society; Understanding the Past*.

^c HIST 103, 104, 255, and 257 count toward the field of U.S. history. HIST 103, 104, and 255 are approved for the following General Education categories: *Understanding U.S. Society; Understanding the Past*.

^d HIST 300 fulfills the *Writing-in-the-Discipline* requirement.

^e HIST 420 has a prerequisite of 9 hours in the social sciences.

Teaching of History majors, in consultation with the program advisor, shall designate one of the fields of history listed above as their field of concentration, consisting of at least 9 semester hours (3 courses) beyond the 100-level in that field.

To complete the Teaching of History major, students will write a research paper based on primary sources in a 400-level course of their choosing.

Majors are required to seek guidance from the program advisor before registering for courses each semester [call (312) 413-9163 for an appointment].

Prerequisite and Collateral Courses

Courses	Hours
ECON 120—Principles of Microeconomics ^a	3
ECON 121—Principles of Macroeconomics ^a	3
Total Hours—Prerequisite and Collateral Courses	6

^a ECON 120 and 121 are approved for the following General Education categories: *Understanding the Individual and Society; Understanding U.S. Society*.

Students are encouraged but not required to take ANTH 101, GEOG 100, POLS 101, PSCH 100, and SOC 100.

Additional Requirements for Teacher Certification

Courses	Hours
ED 200—Educational Policy Foundations	3
ED 210—The Educative Process	3
SPED 410—Survey of Characteristics of Learners with Disabilities	3
CI 414—Middle and High School Literacy	3
ED 330—Curriculum, Instruction, and Evaluation in the Secondary School	
HIST 475—Educational Practice with Seminar I	6
HIST 476—Educational Practice with Seminar II	6
Total Hours—Additional Requirements for Teacher Certification	28

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 GPA of 3.00/4.00 in the major, a 3.00/4.00 in required education courses, and a cumulative GPA of 2.50/4.00. For detailed information, see the *Program Guide for Teacher Education in History*, available from the secondary education coordinator in the Department of History.

Successful completion of certification and degree requirements does *not* automatically confer certification. To become certified students must pass the following requirements:

1. a series of examinations required by the Illinois State Board of Education
2. the Content Area Tests (before being allowed to student teach)
3. assessment of Professional Teaching.

Only after these requirements have been met may students apply for certification to the Council on Teacher Education. For more information on application procedures, contact the Council on Teacher Education located in EPASW 3015. See *Council on Teacher Education* and *Secondary Education Programs* in the *College of Education* section.

Recommended Plan of Study

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

Distinction

The department offers the following two options:

1. Students who earn a 3.50/4.00 cumulative GPA for all UIC courses and a 3.75/4.00 GPA in all courses taken in the Department of History at UIC will be awarded Departmental Distinction.
2. Students who earn a 3.25/4.00 cumulative GPA for all UIC courses and 3.50/4.00 GPA in all courses taken in the Department of History at UIC may choose to complete an honors thesis while enrolled in History 398—Honors Project. To qualify for honors, the student must earn at least a grade of B in History 398.

INTERNATIONAL STUDIES

1102 Behavioral Science Building (BSB)
(312) 996-3105

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

Administration: Program Coordinator, Norma Claire Moruzzi

Minor in International Studies

The International Studies minor provides a multidisciplinary liberal arts education with a global emphasis. The minor can be structured to concentrate on one of three focal areas: (1) World Markets and Development; (2) Global Cultures and Societies; or (3) International Security and Governance. The minor consists of 21 semester hours of course work that must be international and comparative in overall content.

Requirements for the Minor

Students interested in pursuing the minor in International Studies must select a faculty advisor from members of the LAS International Studies Advisory Committee. Students may use courses to fulfill the requirements in both the major and the minor, but the semester hours may only be used in one or the other.

Required Courses—International Studies Minor	Hours
INST 301—Seminar in International Studies	3
One of the following courses:	3
INST 106—The World since 1400 (3)	
INST 114—Topics in World History (3)	
One of the following courses:	3
INST 130—Introduction to Comparative Politics (3)	
INST 184—Introduction to International Relations (3)	
Four courses at the 200-, 300-, and 400-levels around one of the areas listed below:	12
World Markets and Development	
Global Cultures and Societies	
International Security and Governance	
Total Hours—International Studies Minor	21

JEWISH STUDIES PROGRAM

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<http://www.uic.edu/las/jstud/>

Administration: Director, Dagmar Lorenz

Academic Advisor: Elizabeth Loentz, loentz@uic.edu

Minor in Jewish Studies

The Jewish Studies program is committed to furthering knowledge and understanding of the fundamental questions and issues of Jewish life and identity in the past and the present. Jewish Studies is an exciting interdisciplinary field of teaching and research ranging from the study of texts, such as the Bible, to the experience of Jews as a people. The program encourages participation by all students at all levels of study. Jewish Studies faculty members are prominent professors drawn from the humanities and the social sciences at UIC. The minor in Jewish Studies offers students the opportunity to design a program of study to fit their individual interests, goals, and knowledge. Whatever the chosen field or areas of inquiry may be, the goals of the Jewish Studies Minor are identical:

- study the experience and/or texts of Jews from Biblical times to the present;
- acquire a deeper understanding of Jewish culture as one strand in contemporary multicultural America;
- develop critical thinking, writing, and discussion skills; and
- gain a reading and speaking knowledge of Jewish languages.

Requirements for the Minor

For the minor, a minimum of 18 semester hours in Jewish Studies, selected from an approved list of courses. Students are encouraged to consult with a minor advisor when selecting courses. Included in the 18 semester hours must be nine semester hours (nonlanguage) at the 100-level, and nine semester hours at or above the 200-level. The study of Jewish languages is strongly encouraged but not required. Upon petition to the faculty committee, other courses can count toward the minor.

Required Courses—Jewish Studies Minor	Hours
Three courses from the following:	9
JST 101—Introduction to Jewish Studies: Literature and Society (3)	
JST 102—Introduction to Jewish Studies: Religion and Culture (3)	
JST/ENGL/RELS 115—Understanding the Bible as Literature (3)	
JST/ENGL 116—Jewish American Literature of the 20th Century (3)	
JST/HIST 117—Understanding the Holocaust (3)	
JST/GER 122—Minority Perspectives in the Germanic Context (3)	
JST/GER 123—Introduction to Yiddish Culture and Literature (3)	
JST/CL/RELS 124—Hebrew Bible (3)	
JST/PHIL/RELS 141—Philosophy and Revelation: Jewish and Christian Perspectives (3)	
Additional courses at the 200-level or above	9
Total Hours—Jewish Studies Minor	18

Courses Approved for the Minor in Jewish Studies

The following courses are approved to be taken for the Minor in Jewish Studies.

Courses	Hours
Germanic Studies (GER)	
404—Yiddish for Reading Knowledge	3

Hebrew (HEB)^a

101—Elementary Hebrew I	4
102—Elementary Hebrew II	4
103—Intermediate Hebrew I	4
104—Intermediate Hebrew II	4

Jewish Studies (JST)

101—Introduction to Jewish Studies: Literature and Society	3
102—Introduction to Jewish Studies: Religion and Culture	3
115—Understanding the Bible as Literature <i>Same as ENGL 115, RELS 115</i>	3
116—Jewish American Literature of the 20th Century <i>Same as ENGL 116</i>	3
117—Understanding the Holocaust <i>Same as HIST 117</i>	3
122—Minority Perspectives in the Germanic Context <i>Same as GER 122</i>	3
123—Introduction to Yiddish Culture and Literature <i>Same as GER 123</i>	3
124—Hebrew Bible <i>Same as CL 124, RELS 124</i>	3
125—Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature & Film <i>Same as GER 125</i>	3
141—Philosophy and Revelation: Jewish and Christian Perspectives <i>Same as PHIL 141, RELS 141</i>	3
225—Topics in Muslim-Jewish Relations <i>Same as CL 225, RELS 225</i>	3
235—Introduction to Jewish Thought I <i>Same as CL 235, RELS 235</i>	3
242—History of Biblical Interpretation <i>Same as CL 242, RELS 242</i>	3
243—Politics and Government of the Middle East <i>Same as POLS 243</i>	3
254—Prophets in Judaism and Islam <i>Same as CL 254, RELS 254</i>	3
294—Topics in Jewish Studies	3
311—Gender and Sexuality in Early Christianity and Judaism <i>Same as GWS 311, RELS 311</i>	3
394—Topics in Jewish Studies	3
478—The Bible as Literature <i>Same as ENGL 478, RELS 478</i>	3
494—Topics in Jewish Studies	3

^a Hebrew courses may be applied toward minor requirements only with special approval.

LATIN AMERICAN AND LATINO STUDIES PROGRAM

1527 University Hall (UH)
(312) 996-2445

<http://www.uic.edu/las/latamst/>

Administration: Director, María de los Angeles Torres
Director of Undergraduate Studies, Cristián Roa-de-la-Carrera, roa@uic.edu

The program in Latin American Studies and Latino Studies seeks to provide students with an understanding of the history, cultures, and contemporary issues of Latin Americans and Latinos in the U.S. using interdisciplinary approaches. Courses for the major and minor cover Mexico, the Caribbean, and Central and South America as well as urbanization and social and political processes among Latino groups in Chicago and throughout the

United States. Comparative and diverse developmental perspectives illuminate linkages among the countries and peoples of the Americas. A major or minor in Latin American and Latino Studies can serve as a useful basis for careers in public service, business, professional, or academic life related to Latin America or U.S. Latinos.

Requirements are designed so that students acquire a general background in both Latin American and Latino studies in the lower-division courses. Students have the option to pursue a general curriculum by taking an equal amount of upper-division courses in Latin American and Latino Studies or to pursue an area of specialization in either Latin American or Latino Studies by taking more upper-division courses in one of the two areas. Students may also choose to take courses in a particular disciplinary area of the humanities (history and cultural studies) or the social sciences (anthropology, political science, sociology) or a combination of these areas. Students are strongly encouraged to take at least one course on Mexico.

BA with a Major in Latin American and Latino Studies

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete University, college, and program degree requirements. The Latin American and Latino Studies Program 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 Latin American and Latino Studies Degree Requirements	Hours
Major Requirements	33–36
Prerequisite and Collateral Courses	4
General Education and Electives to reach Minimum Total Hours	80–83
Total Hours—BA with a Major in Latin American and Latino 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

For the Bachelor of Arts, 33 semester hours are required as distributed below. For the Bachelor of Arts with highest academic distinction, 36 semester hours are required as distributed below:

Courses	Hours
LALS 101—Introduction to Latin American Studies ^a	3
LALS 102—Introduction to Latino Studies ^{ab}	3
Three 200-level courses	9
LALS 301—Research Methods in Latin American and Latino Studies ^c	3
One additional 100- or 200-level course	3
Two additional 300-level courses	6
Two 400-level courses	6
LALS 302—Research Workshop in Latin American and Latino Studies (Required for highest departmental distinction only)	3
Total Hours—Major Requirements	33–36

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

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

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

Prerequisite and Collateral Courses

Courses	Hours
One of the following courses:	4
SPAN 104—Topics in Spanish Language and Culture (4)	
SPAN 114—Spanish for Students from Hispanic Background III (4)	
Total Hours—Prerequisite and Collateral Courses	4

Recommended Plan of Study

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

Minor in Latin American and Latino Studies

Students from other disciplines who want to minor in Latin American and Latino Studies must complete 18 credit hours as outlined below:

Required Courses—Latin American and Latino Studies Minor	Hours
LALS 101—Introduction to Latin American Studies	3
LALS 102—Introduction to Latino Studies	3
Two 200-level LALS courses	6
One 300-level LALS course	3
One 400-level LALS course	3
Total Hours—Latin American and Latino Studies Minor	18

Distinction

To be considered for distinction, students must obtain a 3.00/4.00 overall GPA, 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, LALS 302, and completion of a senior thesis for **Highest Distinction**.

DEPARTMENT OF MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE

322 Science and Engineering Offices (SEO)
(312) 996-3041
<http://www.math.uic.edu>

Administration: Head, David E. Marker
Director of Undergraduate Studies, Steven Hurder,
dus@math.uic.edu

Academic Advisors: Florencio Diaz and Mary F. Hemby

Mathematics is the language of the sciences and of all fields where patterns and systematic processes need to be analyzed. The study of the various mathematical sciences involves learning ideas and techniques essential for the natural and social sciences and is increasingly important in all areas of a technological society.

Occupational fields open to students who have completed one of the curricula in the department include mathematical analysis in industry or government, teaching, research, actuarial (insurance) work, computer programming and other statistical work, and mathematical aspects of business and finance.

The Department of Mathematics, Statistics, and Computer Science offers programs leading to the Bachelor of Science with a Major in Mathematics, the Bachelor of Science in the Teaching of Mathematics, and the Bachelor of Science in Mathematics and Computer Science. A Minor in Mathematics and a Minor in Mathematics and Computer Science are also offered. Each major is assigned a department advisor who approves the student's choice of courses.

Transfer Students

A transfer student majoring in one of these programs must successfully complete at least half of the mathematics courses in residence at UIC. For the BS with a Major in Mathematics, at least 12 semester hours must be at the advanced level; for the BS in Mathematics and Computer Science, 14 semester hours must be upper division. No transfer course below calculus may be counted toward the BS with a Major in Mathematics, the BS in the Teaching of Mathematics, the BS in Mathematics and Computer Science, or the BS in Statistics and Operations Research. Only grades of A, B, or C in calculus and above from other colleges and universities will be accepted for transfer credit.

Admission Requirements

Students must have concurrent registration in MATH 180—Calculus I, or equivalent standing, as a requirement for declaration of a major in any departmental program.

Honors Courses

Honors sections of some courses in mathematics are offered throughout the year. For details consult the *Schedule of Classes*. Admission to honors sections is not restricted to mathematics majors, but consent of the department is required.

BS with a Major in Mathematics

Degree Requirements—BS with a Major in Mathematics

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students must complete University, college, and department degree requirements. The Department of Mathematics, Statistics, and Computer Science 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 Mathematics Degree Requirements	Hours
Major Requirements	41
General Education and Electives to reach Minimum Total Hours	79
Minimum Total Hours—BS with a Major in Mathematics	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.

Major Requirements

Courses	Hours
MATH 180—Calculus I ^{ab}	5
MATH 181—Calculus II ^a	5
MATH 210—Calculus III ^a	3
MATH 215—Introduction to Advanced Mathematics	3
MATH 300—Writing for Mathematics ^c	1
MATH 313—Analysis I	3
MATH 320—Linear Algebra I	3
MATH 330—Abstract Algebra I	3

Electives chosen from mathematics, statistics, and mathematical computer science courses numbered 200 or higher, with the exception of MATH 205, MATH 310, and MATH 410. At least six hours must be at the 400-level, excluding MATH 496, MCS 496, and STAT 496.

Total Hours—Major Requirements	41
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NOTE: Students planning advanced study in Mathematics should choose their electives from among the following:

MATH 414—Analysis II	3
MATH 417—Complex Analysis with Applications	3
MATH 430—Formal Logic I	3
MATH 431—Abstract Algebra II	3
MATH 435—Foundations of Number Theory	3
MATH 442—Differential Geometry of Curves and Surfaces	3
MATH 445—Introduction to Topology I	3
MATH 446—Introduction to Topology II	3

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

^b MATH 180 also fulfills the LAS Quantitative Reasoning requirement.

^c MATH 300 fulfills the Writing-in-the-Discipline requirement.

Recommended Plan of Study—BS with a Major in Mathematics

Students who do not place into MATH 180 should expect to take summer session courses and possibly take longer than four years to graduate. The honors sections of MATH 180, 181, and 210 are recommended for math majors. Students who have taken AP exams in calculus or computer science need to see a departmental advisor for correct placement.

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

Minor in Mathematics

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

Required Courses—Mathematics Minor	Hours
MATH 180—Calculus I	5
MATH 181—Calculus II	5
MATH 210—Calculus III	3
MATH, MCS, or STAT electives at the 200-, 300-, or 400-level (with one in the MATH rubric with the exception of MATH 205)	8
Total Hours—Mathematics Minor	21

BS in the Teaching of Mathematics

Degree Requirements—BS in the Teaching of Mathematics

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

BS in the Teaching of Mathematics Degree Requirements	Hours
Major Requirements	35
Additional Requirements for Teacher Certification	34
General Education and Electives to reach Minimum Total Hours	51
Minimum Total Hours—BS in the Teaching of Mathematics	120

General Education

See *General Education and Writing-in-the-Discipline* in the *College of Liberal Arts and Sciences* section for a list of courses to meet this requirement.

Major Requirements

Courses	Hours
MATH 180—Calculus I ^{ab}	5
MATH 181—Calculus II ^a	5
MATH 210—Calculus III ^a	3
MATH 215—Introduction to Advanced Mathematics	3
MATH 300—Writing for Mathematics ^c	1
MTHT 411—Advanced Euclidean Geometry	3
MTHT 430—Mathematical Analysis for Teachers I	3
One of the following courses:	3
MATH 310—Applied Linear Algebra (3)	
MATH 320—Linear Algebra I (3)	
One of the following courses:	3
MATH 330—Abstract Algebra I (3)	
MTHT 435—Abstract Algebra (3)	
One of the following courses:	3
MTHT 420—Methods of Structured Programming I (3)	
STAT 381—Applied Statistical Methods I (3)	
One additional elective course in MATH, MTHT, or STAT (Recommended: MATH 417, 425, 430, or 435)	3
Total Hours—Major Requirements	35

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

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^c MATH 300 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	3
SPED 410—Survey of Characteristics of Learners with Disabilities	3
MTHT 400—Methods of Teaching Secondary Mathematics I	3
MTHT 401—Methods of Teaching Secondary Mathematics II	3
MTHT 438—Educational Practice with Seminar I	6
MTHT 439—Educational Practice with Seminar II	6
Total Hours—Additional Requirements for Teacher Certification	34

Students in the Teacher Education in Mathematics curriculum must have a GPA of at least 2.50/4.00 in all mathematics courses (MATH, MCS, MTHT, or STAT) beginning with all calculus (excluding MTHT 400 and 401) to be recommended for student teaching (MTHT 438 and 439). The candidate must also maintain a minimum cumulative GPA of 2.50/4.00 and a minimum GPA of 3.00/4.00 in education courses.

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 Basic 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 3015 EPASW. See *Council on Teacher Education and Secondary Education Program* in the *College of*

Education section of the catalog. For detailed information concerning degree and state teacher certification requirements, see the *Program Guide for Teacher Education in Mathematics*, available from the secondary education coordinator of the Office of Mathematics and Computer Education.

Recommended Plan of Study— BS in the Teaching of Mathematics

To view a recommended plan of study for the Bachelor of Science in the Teaching of Mathematics, please visit the LAS Web site at www.uic.edu/las/college/info/fygp.

BS in Mathematics and Computer Science

The BS in Mathematics and Computer Science curriculum is designed for students who seek careers in computer science and/or computer related fields requiring a strong mathematical background. The program is flexible and provides the students with a well-rounded education. Students who successfully complete the program are awarded the degree of Bachelor of Science in Mathematics and Computer Science.

Degree Requirements— BS in Mathematics and Computer Science

To earn a Bachelor of Science in Mathematics and Computer Science degree from UIC, students must complete University, college, and department degree requirements. The Department of Mathematics, Statistics, and Computer Science 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 Mathematics and Computer Science Degree Requirements	Hours
Requirements for the Curriculum	120
Minimum Total Hours—BS in Mathematics and Computer Science	120

Requirements for the Curriculum

The Requirements for the Curriculum include 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
ENG 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
Analyzing the Natural World 2 laboratory courses ^{ab}	8–10
MATH 180—Calculus I ^{cd}	5
MATH 181—Calculus II ^c	5
MATH 210—Calculus III ^c	3
MATH 215—Introduction to Advanced Mathematics	3
MCS 260—Introduction to Computer Science ^c	4
MCS 275—Programming Tools and File Management	4
MATH 300—Writing for Mathematics ^e	1
One of the following courses:	3
MATH 310—Applied Linear Algebra (3)	
MATH 320—Linear Algebra I (3)	

One of the following courses:	3–4
MCS 320—Introduction to Symbolic Computation (3)	
MCS 360—Introduction to Data Structures (4)	
Four electives chosen from mathematics, statistics, and mathematical computer science courses related to computer science numbered 200 or higher, with the exception of MATH 205. At least six hours must be at the 400-level excluding MATH 496, MSC 496, and STAT 496.	12
Electives to complete degree requirement of 120 hours	29–48
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 Students are encouraged to choose a natural sciences sequence of PHYS 141 and 142; CHEM 112 and 114; CHEM 116 and 118; or BIOS 100 and 101. Any of these sequences would fulfill the LAS General Education requirement of two laboratory courses within the Analyzing the Natural World General Education category.

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

^d MATH 180 also fulfills the LAS Quantitative Reasoning requirement.

^e MATH 300 fulfills the LAS Writing-in-the-Discipline requirement.

Recommended Plan of Study—BS in Mathematics and Computer Science

A recommended basic sequence of courses is listed below. Students who do not place into MATH 180 should expect to take summer session courses and possibly take longer than four years to graduate. Students who have taken AP exams in calculus or computer science need to see a departmental advisor for correct placement.

Freshman Year

Fall Semester	Hours
MATH 180—Calculus I	5
Foreign language	4
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
General Education Core course	3–4
Total Hours	15–16

Spring Semester	Hours
MATH 181—Calculus II	5
MCS 260—Introduction to Computer Science	4
Foreign language	4
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
Total Hours	16

Sophomore Year

Fall Semester	Hours
MATH 210—Calculus III	3
MATH 215—Introduction to Advanced Mathematics	3
Foreign language	4
Analyzing Natural World course	4–5
Total Hours	14–15

Spring Semester	Hours
MATH 310—Applied Linear Algebra	
OR	
MATH 320—Linear Algebra I	3
MCS 275—Programming Tools and File Management	4
Analyzing Natural World course	4–5
Foreign language	4
Total Hours	15–16

Junior Year

Fall Semester	Hours
MCS 320—Introduction to Symbolic Computation	
<i>OR</i>	
MCS 360—Introduction to Data Structures	3–4
MATH 300—Writing for Mathematics	1
Analyzing Natural World course	4–5
General Education Core course	3
General Education Core course	3–4
Total Hours	14–17

Spring Semester	Hours
Elective	6
MATH, MCS, or STAT elective	3
General Education Core course	3
General Education Core course	3–4
Total Hours	15–16

Senior Year

Fall Semester	Hours
MATH, MCS, or STAT elective	3
MATH, MCS, or STAT elective	3
Electives	11
Total Hours	17

Spring Semester	Hours
MATH or MCS elective from list	3
Electives	14
Total Hours	17

Elective Course Suggestions for MCS Majors

A minor is strongly recommended in: physics, chemistry, biology, economics, or from the College of Engineering, except computer science.

It is strongly recommended that at least 3 of the MATH or MCS electives be chosen from One of the following clusters:

Discrete Mathematical Computer Science

Courses	Hours
MCS 361—Discrete Mathematics	3
MCS 421—Combinatorics	3
MCS 423—Graph Theory	3
MCS 425—Codes and Cryptography	3
MCS 441—Theory of Computation I	3
MATH 430—Formal Logic I	3
MATH 435—Foundations of Number Theory	3
MATH 436—Number Theory for Applications	3

Algorithms and Programming

Courses	Hours
MCS 360—Introduction to Data Structures	4
MCS 401—Computer Algorithms I	3
MCS 415—Programming Language Design	3
MCS 451—Object-Oriented Programming C++	3
MCS 481—Computational Geometry	3

Computational Methods

Courses	Hours
MATH 220—Introduction to Differential Equations	3
MCS 320—Introduction to Symbolic Computation	3
MCS 471—Numerical Analysis	3
MCS 472—Introduction to Industrial Math and Computation	3

Statistical Computation

Courses	Hours
STAT 381—Applied Statistical Methods I	3
STAT 401—Introduction to Probability	3
STAT 481—Applied Statistical Methods II	3
STAT 486—Statistical Consulting	3
STAT 471—Linear and Nonlinear Programming	3

Actuarial Science

Courses	Hours
STAT 381—Applied Statistical Methods I	3
STAT 401—Introduction to Probability	3
STAT 481—Applied Statistical Methods II	3
STAT 461—Applied Probability Models I	3
<i>OR</i>	
STAT 411—Statistical Theory	3

Strongly recommended:

ECON 120—Principles of Microeconomics	3
ECON 121—Principles of Macroeconomics	3
ECON 220—Microeconomics: Theory and Applications	
<i>OR</i>	
ECON 218—Microeconomics: Theory and Business Applications	3–4
ECON 221—Macroeconomics in the World Economy: Theory and Applications	3

And two electives:

ECON 346—Econometrics	3
ECON 450—Business Forecasting Using Time Series Methods	3

Minor in Mathematics and Computer Science

Students from other disciplines who want to minor in Mathematics and Computer Science must complete 21 semester hours distributed as follows:

Required Courses—Mathematics and Computer Science Minor

Courses	Hours
MATH 180—Calculus I	5
MATH 181—Calculus II	5
MCS 260—Introduction to Computer Science	4
MCS 275—Programming Tools and File Management	4
One MCS course at the 300- or 400-level	3
Total Hours—Mathematics and Computer Science Minor	21

Distinction

For consideration, the student must have a minimum of a 3.50/4.00 GPA in upper-division courses in the department. The department may award High and Highest Distinction in recognition of outstanding academic achievement.

MOVING IMAGE ARTS

1506 University Hall (UH)
 (312) 413-2372
<http://www.uic.edu/depts/engl/mia/>
 Administration: Sara Hall, sahall@uic.edu

Minor in Moving Image Arts

The College of Liberal Arts and Sciences and the College of Architecture and the Arts offer a minor in Moving Image Arts for undergraduate students. The minor is an academic option that students may choose if they wish to complement their major field of study with focused knowledge in the studies and practices of film, video, and new media. Students receive instruction in media history, aesthetics, theory, and technique. They engage in inquiries into how film, television, video, and digital media develop and are received in varied cultural, historical, social, economic, and technological contexts.

Requirements for the Minor

Students wishing to minor in Moving Image Arts must complete 18–20 semester hours, in consultation with a faculty advisor from the Moving Image Arts Committee, as outlined below:

Required Courses—Moving Image Arts Minor	Hours
One of the following courses:	3–4
ENGL 102—Introduction to Film (3)	
ENGL 121—Introduction to Moving Image Arts (3)	
AD 170—Introduction to Time-Based Visual Arts (4)	
Two of the following courses:	6
COMM 200—Communication Technology (3)	
AH/ENGL 232—Film History I: 1890 to World War II (3)	
AH/ENGL 233—Film History II: World War II to the Present (3)	
ENGL 302—Studies in the Moving Image ^a	3
Two elective courses from the list of courses approved for the Moving Image Arts Minor	6–7
Total Hours—Moving Image Arts Minor	18–20

^a ENGL 302 has a prerequisite of ENGL 102 or consent of the instructor.

Courses Approved for the Minor in Moving Image Arts

The following courses are approved for a minor in Moving Image Arts. Students select from this list with the approval of their advisor in moving image arts.

Courses	Hours
Anthropology (ANTH)	
211—Visual Anthropology	3
Art and Design (AD)	
170—Introduction to Time-Based Visual Arts	4
Art History (AH)	
232—History of Film I: 1890 to World War II <i>Same as ENGL 232</i>	3
233—History of Film II: World War II to the Present <i>Same as ENGL 232</i>	3
432—Topics in Film and Video	3
434—Women and Film <i>Same as ENGL 472, GWS 472</i>	3
Communication (COMM)	
103—Introduction to Media	3
200—Communication Technologies	3
330—Mass Media and Popular Culture	3

English (ENGL)

102—Introduction to Film	3
120—Film and Culture	3
121—Introduction to Moving Image Arts	3

French (FR)

440—Topics in French and Francophone Cinema	3
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Germanic Studies (GER)

217—German Cinema	3
422—Germanic Cultural Studies III: Themes	3

Italian (ITAL)

180—Italian Cinema	3
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Latin American and Latino Studies (LALS)

278—Latin American/Latino Film Studies	3
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Philosophy (PHIL)

234—Philosophy and Film	3
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Polish (POL)

150—Introduction to Polish Cinema	3
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Russian (RUSS)

150—Introduction to Russian Cinema	3
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NATIVE AMERICAN STUDIES

Office of the Dean
 411 University Hall
 (312) 355-3448
gallaga@uic.edu
 Administration: Bill Gallaga

Minor in Native American Studies

Students wishing to minor in Native American Studies must complete 18 semester hours of course work appropriate to the Native American Studies option chosen in consultation with an advisor. At least 9 semester hours must be at the 200-level or above. A maximum of 6 semester hours of a single course repeatable for credit may be counted toward the minor.

Courses Recommended for the Minor in Native American Studies

A complete description of each of these courses may be found in the appropriate course listings of the department.

Courses	Hours
Anthropology (ANTH)	
102—Introduction to Archaeology	3
226—Archaeology of North America <i>Same as LALS 257</i>	3
270—The First Americans	3
271—American Indian Religion and Philosophy	3
272—North American Indians	3
275—South American Indians <i>Same as LALS 255</i>	3
Native American Studies (NAST)	
112—Introduction to Native American Literatures <i>Same as ENGL 112</i>	3
113—Native American Studies: Sovereignty	3
115—Introduction to North American Indian History <i>Same as HIST 115</i>	3
271—Native American Art <i>Same as AH 271</i>	3
415—American Indian Ethnohistory <i>Same as HIST 415</i>	3
471—Topics in Native American Literatures <i>Same as ENGL 471</i>	3

NEUROSCIENCE

4277 Science and Engineering Laboratory (SEL)
 (312) 413-1060
<http://www.uic.edu/las/LIN/>
 Administration: Director, Laboratory of Integrative
 Neuroscience, Michael E. Ragazzino
 Academic Advisors: David Featherstone, df@uic.edu,
 David Wirtshafter, davew@uic.edu

The Bachelor of Science in Neuroscience is awarded by the College of Liberal Arts and Sciences to students who successfully complete the curriculum. It is a joint program sponsored by the Departments of Biological Sciences and Psychology with the support of Laboratory of Integrative Neuroscience (LIN) faculty from the Departments of Chemistry and Philosophy. Students are advised by the Department of Biological Sciences.

The curriculum is intended for students planning advanced study in neuroscience; those who will be pursuing health professional careers; and those seeking employment and careers in the life sciences upon completing their bachelor's degree.

BS in Neuroscience

Admission Requirements

A student must have a cumulative grade point average of 3.00/4.00 and have completed either BIOS 286—Biology of the Brain or PSCH 262—Physiological Psychology.

Degree Requirements

To earn a Bachelor of Science in Neuroscience degree from UIC, students must complete University, college, and department degree requirements.

The curriculum requires a minimum of 120 semester hours as distributed below. Students should consult the *College of Liberal Arts and Sciences* section for additional degree requirements and college academic policies.

BS in Neuroscience

Degree Requirements	Hours
Requirements for the Curriculum	120
Minimum Total Hours—BS in Neuroscience	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 Past course ^a	3
Understanding U.S. Society course ^a	3
PSCH 100—Introduction to Psychology ^b	4
MATH 180—Calculus I ^{cd}	5
BIOS 100—Biology of Cells and Organisms ^c	5
BIOS 101—Biology of Populations and Communities ^c	5
BIOS 220—Mendelian and Molecular Genetics ^e	3
BIOS 221—Genetics Laboratory	3
BIOS 222—Cell Biology	3

CHEM 112—General College Chemistry I ^c	5
CHEM 114—General College Chemistry II ^c	5
CHEM 232—Organic Chemistry I	4
CHEM 233—Organic Chemistry Laboratory	1
CHEM 234—Organic Chemistry II	4
PHIL 202—Philosophy of Psychology	3
PSCH 242—Introduction to Research in Psychology	3
PSCH 343—Statistical Methods in Behavioral Research	3
BIOS/PHIL/PSCH 484/485—Neuroscience I and II	6

One of the following courses:	3
BIOS 286—Biology of the Brain (3)	
PSCH 262—Physiological Psychology (3)	

One of the following courses:	3
PHIL 203—Metaphysics (3)	
PHIL 204—Introduction to the Philosophy of Science (3)	
PHIL 403—Metaphysics (3)	
PHIL 404—Philosophy of Science (3)	

Two of the following laboratory courses:	6–8
BIOS 483—Neuroanatomy (4)	
BIOS 486—Animal Behavior and Neuroethology (4)	
BIOS 489—Cellular Neurobiology Lab (3)	
PSCH 351—Laboratory in Perception (3)	
PSCH 361—Laboratory in Learning and Conditioning (3)	
PSCH 363—Laboratory in Physiological Psychology (3)	

One of the following courses:	3
PSCH 350—Sensation and Perception (3)	
PSCH 360—Learning (3)	

Nine semester hours in upper-division courses in biological sciences,^e chemistry, philosophy, psychology, or any physics courses to be chosen in consultation with an academic advisor. 9

Electives to complete degree requirement of 120 hours 0–16

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

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

^d Completion of MATH 121, the prerequisite to MATH 180, or placement into MATH 180 fulfills the LAS Quantitative Reasoning requirement.

^e BIOS 220 fulfills the LAS *Writing-in-the-Discipline* requirement. BIOS 386—Seminar in Neurobiology is also recommended from the biological sciences electives to develop written and oral communication skills.

Recommended Plan of Study

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

Distinction

Distinction in Neuroscience. Awarded at the time of graduation to those students who demonstrate exceptional performance. Distinction in Neuroscience is awarded to students with a minimum of 3.70 cumulative grade point average in the curriculum and to students who achieve a minimum 3.40 grade point average and successfully complete an independent research project in BIOS 399 or PSCH 399.

Highest Distinction in Neuroscience. Awarded to students who have a minimum 3.70 grade point average in the neuroscience curriculum and successfully complete a BIOS 399 or PSCH 399 (research) level course in their area of concentration.

DEPARTMENT OF PHILOSOPHY

1421 University Hall (UH)
(312) 996-3022

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

Administration: Chair, Peter Hylton

Director of Undergraduate Studies, Jon Jarrett, jarrett@uic.edu

Philosophy is the study of beliefs, values, and wisdom. It develops the skills that are fundamental to reasoning clearly and evaluating the cogency of arguments found in everyday contexts such as politics, religion, and morality. Philosophers identify and discuss our basic beliefs and practices. For example, what is the difference between real science and pseudoscience? How can we be free if we are the products of genes and environment? Is it ever permissible to break the law? Is a doctor ever justified in lying to a patient? Are we justified in claiming knowledge?

Many employers are looking for job candidates who can reason well, articulate a viewpoint, defend their beliefs in writing, and solve abstract problems. Philosophical education is important in preparing for careers in business, engineering, law, medicine, and the sciences.

BA with a Major in Philosophy

Degree Requirements—Major in Philosophy

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 Philosophy 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 Philosophy Degree Requirements	Hours
Major Requirements	33
General Education and Electives to reach Minimum Total Hours	87
Minimum Total Hours—BA with a Major in Philosophy	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

Of the 33 semester hours required for the major, students must complete at least 12 semester hours at the 400-level. Courses must be distributed across several broad areas as follows:

Courses	Hours
PHIL 102—Introductory Logic ^a	3
PHIL 210—Symbolic Logic	3
PHIL 300—Fundamentals of Philosophical Discourse ^b	3

History of Philosophy: Three courses, each of which must come from a different group: 9

Group 1

- PHIL 220—Ancient Philosophy I: Plato and His Predecessors (3)
- PHIL 221—Ancient Philosophy II: Aristotle and His Successors (3)
- PHIL 428—Topics in Ancient Philosophy (3)

Group 2

- PHIL 422—Medieval Philosophy (3)

Group 3

- PHIL 223—History of Modern Philosophy I: Descartes and His Successors (3)
- PHIL 423—Studies in Early Modern Philosophy (3)

Group 4

- PHIL 224—History of Modern Philosophy II: Kant and His Predecessors (3)
- PHIL 424—Kant (3)

Group 5

- PHIL 225—19th-Century Philosophy (3)
- PHIL 425—Studies in 19th-Century Philosophy (3)

Two courses from the following list:

- PHIL 201—Theory of Knowledge (3)
- PHIL 202—Philosophy of Psychology (3)
- PHIL 203—Metaphysics (3)
- PHIL 204—Introduction to the Philosophy of Science (3)
- PHIL 211—Inductive Logic and Decision Making (3)
- PHIL 226—Twentieth-Century Analytic Philosophy (3)
- PHIL 227—Continental Philosophy I: Phenomenology and Existentialism (3)
- PHIL 240—Philosophy and Revelation: Jewish and Christian Perspectives (3)
- PHIL 241—Philosophy of Religion (3)
- PHIL 401—Theory of Knowledge (3)
- PHIL 402—Topics in Philosophy of Mind (3)
- PHIL 403—Metaphysics (3)
- PHIL 404—Philosophy of Science (3)
- PHIL 406—Philosophy of Language (3)
- PHIL 426—Analysis and Logical Empiricism (3)
- PHIL 427—Continental Philosophy II: European Thought since 1960 (3)
- PHIL 441—Topics in Philosophy of Religion (3)

One course from the following list:

- PHIL 230—Topics in Ethics and Political Philosophy (3)
- PHIL 232—Sex Roles: Moral and Political Issues (3)
- PHIL 234—Philosophy and Film (3)
- PHIL 430—Ethics (3)
- PHIL 431—Social/Political Philosophy (3)
- PHIL 432—Topics in Ethics (3)
- PHIL 433—Topics in Social/Political Philosophy (3)

Two additional philosophy courses, at least one of which must be above the 100-level 6

Total Hours—Major Requirements 33

^a PHIL 102 also fulfills the LAS quantitative reasoning requirement.

^b PHIL 300 also fulfills the Writing-in-the-Discipline requirement.

Degree Requirements—Major in Philosophy with Departmental Distinction

The major with Departmental Distinction is designed for serious students who intend to continue studying philosophy in graduate school or who plan to enter law or other professional schools. Students may declare themselves as candidates after completion of 16 hours of philosophy. A GPA of 3.70/4.00 in the philosophy courses selected as satisfying the major with Departmental Distinction and a 3.50/4.00 overall GPA are required for granting the degree.

Departmental Distinction

In addition to satisfying the requirements for the Major in Philosophy, students must take one additional course at the 400-level, and have a GPA of 3.70/4.00 in all philosophy courses, including transferred courses.

High Departmental Distinction

In addition to satisfying the requirements for Departmental Distinction, students must take PHIL 390—Senior Thesis (3 hours). To select this option, students must have the approval of both the director of undergraduate studies as well as the professor with whom the student will be writing the thesis.

Recommended Plan of Study

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

Minor in Philosophy

Students from other disciplines who want to minor in Philosophy must complete 15 semester hours as outlined below:

Required Courses—Philosophy Minor	Hours
PHIL 102—Introductory Logic ^a	3
Two courses from the following:	6
PHIL 220—Ancient Philosophy I: Plato and His Predecessors (3)	
PHIL 221—Ancient Philosophy II: Aristotle and His Successors (3)	
PHIL 223—History of Modern Philosophy I: Descartes and His Successors (3)	
PHIL 224—History of Modern Philosophy II: Kant and His Predecessors (3)	
PHIL 225—19th-Century Philosophy (3)	
Two additional philosophy courses, at least one of which must be at the 400-level, excluding independent study courses	6
Total Hours—Philosophy Minor	15

^a PHIL 102 also fulfills the LAS Quantitative Reasoning requirement.

DEPARTMENT OF PHYSICS

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 Student Services: Melodie Shaw

The fundamental goal of the science of physics is to develop a basic and comprehensive understanding and description of all forms of matter and energy. This goal is pursued through experimental and theoretical investigations, with experimental results pointing the way toward possible new theories and tentative theories suggesting new experiments. Physics occupies a middle ground between mathematics and engineering, using the techniques of the former and providing new ideas and materials (structures and properties) to the latter.

The Department of Physics offers the Bachelor of Science in Physics (Curriculum in Physics), the Bachelor of Arts in Liberal Arts and Sciences with a Major in Physics, and the Bachelor of Science in the Teaching of Physics.

The Physics major who continues on to a PhD or who combines a physics background with an advanced degree in engineering or another science, or with an MBA, will find many positions available in industry. The Physics major who obtains a PhD will qualify in many cases for a faculty position in engineering as well as physics. The real shortage of qualified high school physical science teachers nationally also provides excellent career opportunities for students majoring in the teacher education program.

In addition to the Physics majors, the department also offers a Minor in Physics and a Minor in the Teaching of Physics.

The Department of Physics assigns advisors for majors in all of its programs. Students are required to have their schedules approved by their advisors each term before registering.

BA with a Major in Physics

Degree Requirements—BA with a Major in Physics

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 Physics 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 Physics Degree Requirements	Hours
Required Prerequisite and Collateral Courses	26
Major Requirements	40–42
General Education and Electives to reach Minimum Total Hours	52–54
Minimum Total Hours—BA with a Major in Physics	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 may be 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
MATH 210—Calculus III ^a	3
MATH 220—Introduction to Differential Equations	3
CHEM 112—General College Chemistry I ^a	5
CHEM 114—General College Chemistry II ^a	5
Total Hours—Required Prerequisite and Collateral Courses	26

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

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

Major Requirements

Courses	Hours
One of the following sequences in physics.	
The PHYS 105–108 sequence requires a grade of B or better in each course. The PHYS 141–142 sequence is strongly recommended.	8–10
PHYS 141—General Physics I (Mechanics) (4) ^a	
PHYS 142—General Physics II (Electricity and Magnetism) (4) ^a	
OR	
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}	
PHYS 215—Mathematical Methods for Physicists	4
PHYS 244—General Physics III (Modern Physics)	3
PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena)	4
PHYS 401—Electromagnetism I	4
PHYS 411—Quantum Mechanics I	4
PHYS 441—Theoretical Mechanics	4
PHYS 461—Thermal and Statistical Physics	4
PHYS 481—Modern Experimental Physics I ^c	4
PHYS 499—Survey of Physics Problems ^d	1
Total Hours—Major Requirements	40–42

^a This 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 PHYS 481 fulfills the Writing-in-the-Discipline requirement.

^d Students must achieve a grade of C or better in PHYS 499.

Recommended Plan of Study

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

Minor in Physics

Students from other disciplines who want to minor in Physics must complete 19–21 semester hours distributed as follows:

Required Courses—Physics Minor Hours

One of the following sequences in physics.

The PHYS 105–108 sequence requires a grade of B or better in each course. The PHYS 141–142 sequence is strongly recommended. 8–10

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)

PHYS 244—General Physics III (Modern Physics) 3

PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena) 4

One of the following courses: 4

PHYS 401—Electromagnetism I (4)^a
PHYS 411—Quantum Mechanics I (4)
PHYS 441—Theoretical Mechanics (4)^a
PHYS 461—Thermal and Statistical Physics (4)

Total Hours—Physics Minor 19–21

^a PHYS 401 and 441 have a prerequisite of PHYS 215.

BS in the Teaching of Physics

Degree Requirements—BS in the Teaching of Physics

To earn a Bachelor of Science in the Teaching of Physics degree from UIC, students must complete University, college, and department degree requirements. The Department of Physics 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 Physics Hours

Required Prerequisite and Collateral Courses 26

Major Requirements 40–42

General Education and Electives to reach Minimum Total Hours 52–54

Minimum Total Hours—BS in the Teaching of Physics 120

Note: Teacher education students must fulfill certain other requirements. Please see below and consult *Secondary Education Program* and *Council on Teacher Education* in the *College of Education* section of the catalog for more information.

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
MATH 210—Calculus III ^a	3
MATH 220—Introduction to Differential Equations	3
CHEM 112—General College Chemistry I ^a	5
CHEM 114—General College Chemistry II ^a	5
Total Hours—Required Prerequisite and Collateral Courses	26

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

^b MATH 180 fulfills the LAS Quantitative Reasoning requirement.

Major Requirements

Courses	Hours
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One of the following sequences in physics.

The PHYS 105–108 sequence requires a grade of B or better in each course. The PHYS 141–142 sequence is strongly recommended. 8–10

PHYS 141—General Physics I (Mechanics) (4)^a
PHYS 142—General Physics II (Electricity and Magnetism) (4)^a

OR

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}

PHYS 215—Mathematical Methods for Physicists 4

PHYS 244—General Physics III (Modern Physics) 3

PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena) 4

PHYS 401—Electromagnetism I 4

PHYS 411—Quantum Mechanics I 4

PHYS 441—Theoretical Mechanics 4

PHYS 461—Thermal and Statistical Physics 4

PHYS 481—Modern Experimental Physics I^c 4

PHYS 499—Survey of Physics Problems^d 1

Total Hours—Major Requirements 40–42

^a This 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 PHYS 481 fulfills the Writing-in-the-Discipline requirement.

^d Students must achieve a grade of C or better in PHYS 499.

Additional Requirements for Teacher Education

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

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 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 Bachelor of Science in the Teaching of Physics, please visit the LAS Web site <http://www.uic.edu/las/college/info/fygp>.

Minor in Teaching of Physics

Secondary education majors from other disciplines who want to minor in the Teaching of Physics must complete 19–21 semester hours distributed as follows:

Required Courses—Teaching of Physics Minor Hours

One of the following sequences in physics.

The PHYS 105–108 sequence requires a grade of B or better in each course. The PHYS 141–142 sequence is strongly recommended. 8–10

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)

PHYS 244—General Physics III (Modern Physics) 3

PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena) 4

One of the following courses: 4

PHYS 401—Electromagnetism I (4)^a
PHYS 411—Quantum Mechanics I (4)
PHYS 441—Theoretical Mechanics (4)^a
PHYS 461—Thermal and Statistical Physics (4)

Total Hours—Teaching of Physics Minor 19–21

^a PHYS 401 and 441 have a prerequisite of PHYS 215.

This minor is open only to students obtaining full certification in an approved UIC Teacher Education major. To teach Physics 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 and application procedures, contact the Council on Teacher Education in the College of Education.

BS in Physics

Degree Requirements—BS in Physics

To earn a Bachelor of Science in Physics degree from UIC, students must complete University, college, and department degree requirements. The Department of Physics 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 Physics Degree Requirements Hours

Requirements for the Curriculum 120

Minimum Total Hours—BS in Physics 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

MATH 220—Introduction to Differential Equations 3

CHEM 112—General College Chemistry I^c 5

CHEM 114—General College Chemistry II^c 5

One of the following sequences in physics.

The PHYS 141–142 sequence is strongly recommended. 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}

PHYS 215—Mathematical Methods for Physicists 4

PHYS 244—General Physics III (Modern Physics) 3

PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena) 4

PHYS 401—Electromagnetism I 4

PHYS 411—Quantum Mechanics I 4

PHYS 441—Theoretical Mechanics 4

PHYS 461—Thermal and Statistical Physics 4

One of the following courses: 4–5

PHYS 425—Modern Optics (5)
PHYS 482—Modern Experimental Physics II (4)

One of the following courses: 4

PHYS 402—Electromagnetism II (4)^e
PHYS 412—Quantum Mechanics II (4)^e

PHYS 481—Modern Experimental Physics I^f 4

PHYS 499—Survey of Physics Problems^g 1

Electives 6–25

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 This 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 Students planning to pursue graduate studies in physics are strongly encouraged to take both of these courses.

^f PHYS 481 fulfills the LAS Writing-in-the-Discipline requirement.

^g A grade of C or better is required in PHYS 499.

Recommended Plan of Study—BS in Physics

Physics is a discipline that carefully builds additional knowledge on a foundation of previously learned science and mathematics. To complete the physics curriculum in four years, therefore, requires careful planning, especially because the upper-division courses are offered at most once per year and have prerequisites. A recommended typical course sequence for the BS degree is given below. (The BA program omits PHYS 425 or 482; and PHYS 402 or 412).

Note: Students should consult the *General Education* section of the catalog for a list of approved courses in each category.

Freshman Year

Fall Semester	Hours
CHEM 112—General College Chemistry I	5
ENGL 160—Academic Writing I: Writing for Academic and Public Contexts	3
MATH 180—Calculus I	5
General Education Core course	3
Total Hours	16

Spring Semester	Hours
CHEM 114—General College Chemistry II	5
ENGL 161—Academic Writing II: Writing for Inquiry and Research	3
MATH 181—Calculus II	5
PHYS 141—General Physics I (Mechanics) ^a	
OR	
PHYS 105/106—Introductory Physics I—Lecture/Lab	4–5
Total Hours	17–18

Sophomore Year

Fall Semester	Hours
Elective	3
MATH 210—Calculus III	3
PHYS 142—General Physics II (Electricity and Magnetism) ^a	
OR	
PHYS 107/108—Introductory Physics II—Lecture/Lab	4–5
General Education Core course	3
General Education Core course	3
Total Hours	16–17

Spring Semester	Hours
MATH 220—Introduction to Differential Equations I	3
PHYS 215—Mathematical Methods for Physicists	4
PHYS 244—General Physics III (Modern Physics)	3
PHYS 245—General Physics IV (Heat, Fluids, and Wave Phenomena)	4
Total Hours	14

Junior Year

Fall Semester	Hours
Foreign language	4
PHYS 411—Quantum Mechanics I	4
PHYS 441—Theoretical Mechanics	4
PHYS 481—Modern Experimental Physics I	4
Total Hours	16

Spring Semester	Hours
Foreign language	4
PHYS 412—Quantum Mechanics II	4
General Education Core course	3
General Education Core course	3
Total Hours	14

Senior Year

Fall Semester	Hours
PHYS 401—Electromagnetism I	4
PHYS 461—Thermal and Statistical	4
Foreign language	4
Elective	3
Total Hours	15

Spring Semester	Hours
PHYS 402—Electromagnetism II	
OR	
Elective	4
PHYS 425—Modern Optics	
OR	
PHYS 482—Modern Experimental Physics II	4–5
PHYS 499—Survey of Physics Problems	1
Elective	4
Foreign language	4
Total Hours	17–18

^a The PHYS 141–142 sequence is strongly recommended.

Students who are not prepared to begin Mathematics 180 in their first semester may need to attend summer school or possibly take more than four years to finish their BS degree.

In addition to the degree programs shown above, there is an Engineering Physics program available through the College of Engineering.

Distinction

Departmental Distinction. Distinction in physics is awarded to students who achieve college honors and an overall minimum GPA of 3.50/4.00 in upper-division physics (400-level) and mathematics (300-level and above) courses.

Students who qualify for departmental distinction are recommended for high or highest distinction on the basis of grade point average and/or high performance in PHYS 391—Physics Seminar or PHYS 392—Physics Research, described as follows.

High Distinction. A minimum overall GPA of 3.70/4.00 in upper-division physics and mathematics courses or a minimum overall GPA of 3.50/4.00 in upper-division physics and mathematics courses and high performance in PHYS 391 or 392, as judged by the instructor of the course.

Highest Distinction. A minimum overall GPA of 3.80/4.00 in upper-division physics and mathematics courses or a minimum overall GPA of 3.70/4.00 in upper-division physics and mathematics courses and high performance in PHYS 391 or 392, as judged by the instructor of the course.

DEPARTMENT OF POLITICAL SCIENCE

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 Administration: Head, Dick Simpson
 Director of Undergraduate Studies, Isaac Balbus

Political science is the systematic study of politics and its connection to human life as a whole. It focuses on the way people are governed and govern themselves in a wide variety of settings—including the state, the workplace, schools,

and the family—and the way in which governance in those settings affects their life chances and shapes their sense of self. Students who elect this major examine, among other things, the relationships between law and political institutions, economic and political power, and culture and political identity. They develop the analytical, interpretive, and critical methods necessary to understand these relationships at local, national, regional, or international levels, and thus, to act as responsible citizens at those levels. They also learn to write well. In short, political science is central to a well-rounded liberal arts education.

Political science also provides excellent preparation for careers in law, government, teaching, journalism, business, and the nonprofit sector.

BA with a Major in Political Science

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 Political Science 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 Political Science Degree Requirements	Hours
Major Requirements	33
General Education and Electives to reach Minimum Total Hours	87
Minimum Total Hours—BA with a Major in Political Science	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
POLS 101—Introduction to American Government and Politics ^{ab}	3
POLS 190—Scope of Political Science ^a	3
POLS 200—Methods of Political Science	3
Two courses from the following:^c	6
POLS 120—Introduction to Political Theory (3)	
POLS 130—Introduction to Comparative Politics (3)	
POLS 184—Introduction to International Relations (3)	
One course from the following:	3
POLS 329—Seminar on American Politics (3) ^d	
POLS 349—Topics in Comparative Politics (3) ^d	
POLS 389—Seminar: Topics in International Relations (3) ^d	
POLS 399—Seminar in Political Theory (3) ^d	
Three additional political science courses at the 200-level (or above) and two additional political science courses at the 300-level (or above) ^e	15
Total Hours—Major Requirements	33

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

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

^c Students should consult the General Education section of the catalog to determine if any of these courses are approved General Education courses.

^d Any of these courses may be used to fulfill the Writing-in-the-Discipline requirement.

^e Not including POLS 305.

Transfer courses in political science must have grades of C or better to count toward the major or minor.

The Department of Political Science offers a Concentration in Urban Politics that is satisfied in the following way:

1. Completing the regular requirements for the major in Political Science
2. Completing, among the required number of electives in the major, three courses in urban politics, including:
 - POLS 210—Introduction to Urban Politics **OR**
 - POLS 211—Chicago’s Future,
 - POLS 301—Field Experience in Political Science, **AND**
 - One additional course at the 300-level other than POLS 303.

Note: At the discretion of the director of undergraduate studies, students may substitute a course from another department for one of their three courses in urban politics.

Recommended Plan of Study

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

Minor in Political Science

Students from other disciplines who want to minor in Political Science must complete 21 credit hours as outlined below:

Required Courses—Political Science Minor	Hours
POLS 101—Introduction to American Government and Politics	3
POLS 190—Scope of Political Science	3
POLS 200—Methods of Political Science	3
One course from the following:	3
POLS 120—Introduction to Political Theory (3)	
POLS 130—Introduction to Comparative Politics (3)	
POLS 184—Introduction to International Relations (3)	
Three additional POLS courses, at least one of which must be at the 300-level or above	9
Total Hours—Political Science Minor	21

Distinction

To be considered for graduation with Distinction in political science, a student must have a minimum, cumulative UIC GPA of 3.25/4.00 and a minimum GPA of 3.50/4.00 in all political science courses. Students with the required grade point averages must write and present to a faculty examining committee of the department an acceptable essay while enrolled in POLS 305—Honors Course and defend it before that committee. The student must enroll in POLS 305 for 3 semester hours in each of the fall and spring semesters of the student’s senior year. Both the course and credit hours must be in addition to those required for the major. The level of distinction (Distinction, High Distinction, Highest Distinction) is determined by the department faculty, who will consider the recommendation of the faculty examining committee and the candidate’s GPA.